

**Spaulding High School**  
130 Wakefield Street  
Rochester, New Hampshire 03867  
[www.rochesterschools.com/SHS](http://www.rochesterschools.com/SHS)  
(603) 332-0757 fax: (603)330-0251

**R.W. Creteau Regional Technology Center**  
140 Wakefield Street  
Rochester, New Hampshire 03867  
(603) 332-0757 fax: (603)335-7365

### **Administration**

Kyle Repucci - Superintendent of Schools  
Sandie MacDonald - Assistant Superintendent of Schools  
Justin Roy – Principal  
Margaret Callahan – Deputy Principal  
Jenna Kotsonis – Assistant Principal  
Jason Bushway – Assistant Principal  
Joanne Houston – Dean of Students  
Michele Halligan-Foley – Richard W. Creteau Director  
Kevin Hebert – Athletic Director  
Jeanne Civiello – Special Education Coordinator

### **Message from Administration**

*Dear Spaulding students and parents,*

*This Program of Studies (POS) is organized to offer you a clear understanding of the scope and diversity of courses offered at Spaulding High School. As you read through its pages, notice the courses are arranged by department, alphabetically, and also by career pathways. Descriptions of our grading policy, diploma requirements, guidance/counseling programs, and important post-secondary admissions information is also included.*

*While you make your selection of courses and programs for next year, be sure to discuss your options with your school counselor, homeroom advisor, and teachers. The final decision still remains a family discussion, but utilizing multiple sources of information is helpful. Be sure to keep this POS handy for the next week/months to come as it will serve as a valuable resource.*

*Good luck choosing your courses for the 2021-2022 school year. Please let us know if we can be of service to you in preparation for next year.*

*Warm regards,  
The Spaulding High School Administrative Team*

### **CORE VALUES, BELIEFS, AND LEARNING EXPECTATIONS**

Spaulding High School believes in promoting a safe and supportive community where all students are recognized and encouraged to develop their individual interests and talents. We provide an education that challenges students to think critically and creatively, communicate effectively, and work collaboratively. We believe that by promoting a flexible, respectful, and challenging school environment that applies learning in authentic ways, students will be supported to become confident lifelong learners and contributing members of their communities.

#### **LEARNING EXPECTATIONS**

**Communication:** Students will communicate effectively through reading critically, and writing and speaking effectively.  
**Creative and Critical Thinking:** Students will organize, analyze and synthesize information to create, apply and assess solutions.  
**Collaboration:** Students will work with others towards a common purpose.

#### **SOCIAL RESPONSIBILITY**

**Habits of Learning:** Students will develop and apply the habits of learning that are essential lifelong skills.  
**Career Development:** Students will explore their interests, develop their skills and abilities, and apply this learning in planning their future.

#### **CIVIC RESPONSIBILITY**

**Community:** Students will develop and exhibit values that embrace responsible citizenship and community involvement.

### School Counseling at Spaulding High School

The Spaulding High School Counseling Department works to foster the academic, career, and personal/social development of all students. Utilizing the annual individual interview program, counselors work with each student to develop academic plans designed to facilitate the achievement of career and post-secondary goals. Academic strengths and weaknesses are reviewed, interests and abilities are explored, and options for the future are discussed during these individual planning sessions. Students are supported in the planning, monitoring and management of their own educational experiences. In addition to the individual interviews, counselors conduct small group meetings, parent-teacher-student conferences and personal counseling sessions for issues that interfere with academic success. Referrals to outside agencies are made to accommodate long term counseling needs.

The School Counseling Department offers a six-part college workshop series each year. Five of these workshops are held in the evening so that both parents and students may participate. The evening series incorporates all aspects of the college search, the application process, the financial aid application process, and both the analysis of financial aid offers and the availability of alternative funding sources. The daytime session is a roundtable discussion with recent Spaulding graduates who return to discuss their college experiences and offer advice.

#### **Who is My School Counselor?**

Counselors are assigned alphabetically according to the student's last name. This policy is in place to balance the number of students with whom each counselor works so that every student is able to get the attention they deserve.

#### **Your Team:**

<b>Assistant Principal</b>	<b>First Initial of Last Name</b>	<b>School Counselor</b>	<b>First Initial of Last Name</b>
Margaret Callahan (Deputy Principal)	A – F	Mrs. Karen McDermott (Team Leader)	A - Cam
Joanne Houston (Dean of Students)		Mrs. Katie Newbegin	Can - Foq
Jason Bushway	G – M	Ms. Erin Reinhard	For - Kn
		Ms. Ari Ragonese	Ko - Na
Jenna Kotsonis	N – Z	Mrs. Jennifer York	Nb - Seg
		Mrs. Leah Anderson	Seh - Z
		Lauren Jerr	Extended Learning Opportunity Coordinator

### Nondiscrimination Policy

Spaulding High School, the Richard W. Creteau Regional Technology Center and the Rochester School Department do not discriminate in its education programs, activities or employment practices on the basis of **race, color, national origin, age, sex, disability, religion, marital status, or sexual orientation** under the provision of Title VI of the Civil Rights Act of 1964, the Age Discrimination Act of 1967, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Education of all Handicapped Children Act of 1975, or State Ed. Laws 303.01 and RSA 354-A. Furthermore, lack of English language skills will not be a barrier to admission and participation in any of the educational programs and activities held at or by Spaulding High School and the Creteau Technology Center.

Any person with inquiries concerning this system's compliance with the regulations implementing these laws may contact the following:

Christiane Allison, Special Education Director  
Superintendent's Office  
150 Wakefield Street  
Rochester, New Hampshire 03867  
(603) 332-3678

Any person wishing to file a grievance in regards to one of the above laws may follow the district's grievance procedure through either the district's website [www.rochesterschools.com](http://www.rochesterschools.com) (school board policy) the telephone hotline (603-335-7373), by completing a grievance form located in the school offices, or by verbally reporting to principal, counselor, school nurse, teacher, or the above listed coordinators. Any person may also contact the Assistant Secretary for Civil Rights, United States Department of Education or the Director, United States Department of Education. Office of Civil Rights, Region I, Boston Massachusetts.

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## Graduation Requirements & Grading System

Students are required to earn a minimum of **26 credits** to be awarded a Spaulding High School diploma.

<div>26 Credit Diploma</div> <div>English (Language Arts): 4 credits</div> <div>Mathematics: 3 credits</div> <div>Must include completion of Algebra and Geometry. Algebra credit can be earned through a sequential integrated, or applied program. Students will “engage with and apply mathematics during every year they are enrolled.” (Courses that meet this requirement are denoted by a (π) in the 4<sup>th</sup> math experience column in various department listings)</div> <div>Social Studies: 2.5 credits</div> <div>All students must take:</div> <div>US and NH History (1 credit)</div> <div>US and NH Government/Civics (1/2 credit)</div> <div>World History/Global Studies/Geography (1/2 credit)</div> <div>Economics (1/2 credit)</div> <div>Modern World History ENR or AFJROTC AS 220: Cultural Studies satisfies the Global Studies requirement. Marketing HNR satisfies the Economics requirement.</div> <div>Science: 3 credits</div> <div>All students must take:</div> <div>Physical Science (1 credit)</div> <div>Biological Science (1 credit)</div> <div>Science Elective (1 credit)</div> <div>Arts Education: 1/2 credit</div> <div>Health Education: 1/2 credit</div> <div>Physical Education: 1 credit</div> <div>Electives: remaining credits</div> <div>Digital Portfolio</div>	<div>Credits for Class Standing:</div> <div>Class standing is determined by the number of credits a student has at the end of a school year.</div> <div>Sophomore: 5 credits minimum</div> <div>Junior: 11 credits minimum</div> <div>Senior: 18 credits minimum</div> <div>Graduation: 26 credits minimum</div> <div>Student performance is graded on the following scale:</div> <div>A - Advanced</div> <div>B - Beyond Expectations</div> <div>C – Competent</div> <div>NYC - Not Yet Competent</div> <div>IWS - Insufficient Work Shown</div> <div>NG - No Grade</div> <div>W - Withdrawal</div> <div>WF - Withdrawal Failure</div> <div>Grade Point Average:</div> <div>Grade point average (GPA) is the total number of grade points accumulated, using the weighted scale shown below, divided by the total number of credits attempted. The weighting used to determine GPA is as follows:</div> <table><tr><td>Letter Grade</td><td>Standard</td><td>ENR</td><td>HNRS</td><td>AP</td></tr><tr><td>A</td><td>4.0</td><td>4.5</td><td>5.0</td><td>5.25</td></tr><tr><td>B</td><td>3.0</td><td>3.5</td><td>4.0</td><td>4.25</td></tr><tr><td>C</td><td>2.0</td><td>2.5</td><td>3.0</td><td>3.25</td></tr><tr><td>NYC/W/P</td><td colspan="4">No Weight</td></tr><tr><td>IWS/WF/F</td><td>0</td><td>0</td><td>0</td><td>0</td></tr></table> <div>A weighted scale is used to reward students who challenge themselves by taking more rigorous classes. A student's class rank is determined by their cumulative GPA. All grades received outside of SHS are not calculated into GPA</div>	Letter Grade	Standard	ENR	HNRS	AP	A	4.0	4.5	5.0	5.25	B	3.0	3.5	4.0	4.25	C	2.0	2.5	3.0	3.25	NYC/W/P	No Weight				IWS/WF/F	0	0	0	0
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C	2.0	2.5	3.0	3.25																											
NYC/W/P	No Weight																														
IWS/WF/F	0	0	0	0																											
<div>State of New Hampshire 20 Credit Diploma Requirements</div> <div>English (Language Arts): 4 credits</div> <div>Mathematics: 3 credits</div> <div>Must include completion of Algebra. Algebra credit can be earned through a sequential integrated, or applied program.</div> <div>Social Studies: 2.5 credits</div> <div>US and NH History (1 credit)</div> <div>US and NH Government/Civics (1/2 credit)</div> <div>World History/Global Studies/Geography (1/2 credit)</div> <div>Economics (1/2 credit)</div> <div>Science: 2 credits</div> <div>Physical Science: 1 credit</div> <div>Biological Science: 1 credit</div> <div>Arts Education: 1/2 credit</div> <div>Health Education: 1/2 credit</div> <div>Physical Education: 1 credit</div> <div>Information and Communications Technologies: 1/2 credit</div> <div>Open Electives: 6 credits</div>	<div>Work Skills Competencies:</div> <div>Work skills, such as self-direction, communication, collaboration, and creativity are not only necessary for a successful educational experience, but are essential lifelong skills. This is why the Rochester School District has prioritized a focus on developing these skills in our students. Progress on Work Skills Competencies will be regularly communicated to students and parents, but will not be included as part of the evaluation of a student's academic achievement.</div> <div>Work Skills Competencies are graded on the following scale:</div> <div>4 - Extending</div> <div>3 - Applying</div> <div>2 - Developing</div> <div>1 - Emerging</div> <div>Students at grade level should be assessed as “Applying” or better to be considered competent.</div>																														

## State of New Hampshire 20 Credit Diploma Requirements

The State of New Hampshire 20 Credit Diploma, is granted to eligible special education students, foreign exchange students, and home education students who meet the criteria for successful completion of their respective requirements for graduation. The diploma will state that it meets NH state requirements. Spaulding High School students deemed eligible for the State of New Hampshire 20 Credit Diploma will participate in graduation ceremonies and events.

Each eligible special education student in line for a State of New Hampshire 20 Credit Diploma will have an IEP meeting set up by the Special Education Department to acknowledge diploma eligibility as it meets the needs of the student. This meeting will give the parent, student and involved personnel the opportunity to make the necessary changes to a standard diploma program if appropriate. Educationally disabled students who receive a State of New Hampshire 20 Credit Diploma will not be able to receive special education services until the age of 21.

Students who are in the Life Skills special education program will earn a Certificate of Attendance. Each of these students will have an IEP meeting set up by the Special Education Department to acknowledge certificate eligibility. This meeting will give the parent, student and involved personnel the opportunity to make the necessary changes to a graduation program as appropriate. Educationally disabled students who receive a Certificate of Attendance will continue to be eligible for special education services until a 26 credit diploma, as defined by the Rochester School Board, is obtained or until they reach the age of 21 whichever comes first.

### Honor Roll & Honors Diploma

To earn **High Honors** recognition for a given marking period, a student must earn no grade below A in any course and must be enrolled in a minimum of three full courses. To earn **Honors** recognition for a given marking period, a student must earn no grade below B in any course and must be enrolled in a minimum of three full courses. To earn an **HONORS DIPLOMA**, a student must earn a minimum of 75% of their credits at the ENR, H, or AP levels – and earn a cumulative GPA of 3.5 or higher.

## Academic Programs and Offerings

### Raider Pathways

The goal of the Spaulding High School Raider Pathways Program is to engage students by providing the supports and skills which allow them to find academic success. During the freshman year of the program, we focus on transitioning to the high school environment, core classes, work study habits, social and emotional learning, and goal setting. In Raider Pathways, staff focus on personalized learning paths to best meet the needs of individual learners. Smaller class sizes and shortened periods help provide a positive learning environment. Students in this program will also have the opportunity to take SHS electives and CTE courses. Raider Pathway students will earn credits towards a SHS diploma or a possible 20 credit Adult High School Diploma through Rochester Community Education (RCE).

### Rochester Community Education

The Adult High School Diploma, offered through Rochester Community Education, is an alternative for students that may not be able to earn the required credits needed to complete a Spaulding High School diploma by age 18. Students must be 16 years old, unless approved by an administrator, to take courses through adult education (up to 3 credits may be accepted towards a Spaulding High School diploma). Students will continue to receive special education services if in Spaulding High School courses. Rochester Community Education holds a separate graduation ceremony than Spaulding High School.

### Career Technical Education Programs

SHS students can enroll – via application – in an array of **Career and Technical Education (CTE) programs** offered at the Creteau Tech Center, at Dover High School, and at Somersworth High School. See pages 44-63 for more information.

### College and Career Support

Spaulding High School and the R.W. Creteau Technology Center provides a wide variety of college and career readiness supports. **Scoir and Career Cruising** are internet based college and career information software that can be used in school, home, or any place where there is an internet connection. These programs will help prepare students for college and the world of work. Each of these software platforms provide assessments and surveys identifying student's skills, aptitude, interests and values to help them learn more about themselves. Comprehensive college and career reports show school-to-major-to-career connections.

Spaulding High School and the R.W. Creteau Technology Center provides students the opportunity to get out into the community and explore career options. Making the connection between classroom instruction and the world of work is an important first step in choosing potential careers, high school pathways and planning for post-secondary/ career transition. Students interested in the programs listed below should see the ELO Coordinator for more information and application processes. Opportunities include: Learning Styles Inventory, Informational Interviews, Interest Inventory, Job Shadow, Extended Learning Opportunities, Internships, Technical Skills, Cooperative Education, Career Exploration, Community Service, Job Interviews, Job Search, College Information, Resume Writing, College Trips, Financial Aid.

### Extended Learning Opportunities

ELOs are approved alternative experiential learning opportunities which take place outside of the structured program of studies, but which align to existing course competencies and corresponding rubrics. The goal is for students to demonstrate their mastery of course competencies through extended learning: "through instruction or study outside of the traditional classroom methodology." (NHDOE) Students can complete up to 1 ELO credit during their duration at SHS. Students can earn 0.5 credits per ELO. The ELO Coordinator is located in The School Counseling office.

**Internship:** An internship with an employer that leads to academic credit or satisfaction of competencies.

**Independent Study:** Independent studies that lead to academic credit or satisfaction of competencies.

**Work Based Learning:** Employment activities not otherwise considered to be internships or apprenticeships and that leads to academic credit or satisfaction of course competencies.

### Online Learning

A range of online (or distance learning) opportunities are also available to SHS students via the **NH Virtual Learning Academy Charter School (VLACS)**. VLACS courses augment what we offer here at the high school. These courses can also be helpful when students face scheduling conflicts. Students interested in enrolling in VLACS courses should see their school counselor.

### Credit Recovery

Edgenuity is a web-based program that allows students to work independently with supports available during the school day to demonstrate the necessary learning to earn course credit.

**E-block (after school) recovery** is overseen by Spaulding faculty who teach in the department of the course being recovered and is offered throughout the school year.

**Summer School** – A program is offered during the summer for students to recover competencies and retake courses. Information can be obtained by contacting the student's school counselor.

### Course Offerings

Students wishing to pursue a higher level of rigor and intending to apply to four-year colleges with more competitive admissions may choose to enroll in courses designated as **ENRICHED (ENR)**. Grades in these courses are weighted more heavily in the calculation of a student's GPA (grade point average). Students wishing to pursue course offerings at the highest level of rigor and who have a record of strong academic achievement may qualify for and enroll in **Running Start/Dual Enrollment, HONORS (H)** and/or **ADVANCED PLACEMENT (AP)** courses. Grades in these courses are weighted most heavily in the calculation of a student's GPA.

Students with special needs or learning disabilities are placed in one of three tracks. Mainstreamed with accommodations and support is where the majority of special education students are placed and they earn a standard 26 credit diploma. **L.I.T.E** is a self-contained program that focuses on daily living skills, as well as social and academic needs. These students will attain a Certificate of Attendance. **G.O.S.T** is a program for students who have received their Certificate of Attendance and remain enrolled until age 21.

### Add/Drop Policy

The Spaulding High School administration makes every effort to create optimal schedules for students – and school counselors are available before each semester or quarter begins (including throughout the summer) to make appropriate/necessary changes (where possible) before new classes begin. **Once a course has started, students may not make schedule changes – except in the most extenuating of circumstances (e.g., the student is clearly enrolled in the wrong level of a course).** Only with permission of the administration (after consultation with the teacher(s), the student, and his/her school counselor, assistant principal, and parents) will schedule changes be permitted after the start of a class. Students must continue to attend all classes while in the process of attempting a schedule change.

### NCAA Requirements

**NCAA REQUIREMENTS:** Students seeking to play sports at the Division I or II levels and to be eligible for financial aid, practice, and competition during the first year must (1) complete the NCAA online Eligibility Request Form (2) graduate from high school, (3) present a minimum grade point average in core courses, and (4) present a minimum combined test score on the SAT I critical reading and math sections. For more information and up to date details please go to [www.ncaa.org](http://www.ncaa.org).

### NH Scholars Program

Courses which qualify for NH Scholars are denoted by an asterisk \* next to the course description. It is the student's responsibility to be sure they meet requirements by senior year. To qualify for the NH Scholars Program, the following core curriculum must be met:

NH Scholars Programs				
Requirement	NH Scholars	with Arts emphasis	with STEM emphasis	with STEAM emphasis
GPA	2.8	3.2	3.2	3.2
English	4 credits	4 credits	4 credits	4 credits
Math	4 credits (including Algebra 1, Geometry, Algebra 2, and 1 additional course)	4 credits (including Algebra 1, Geometry, Algebra 2, and 1 additional course)	4 credits (including Algebra 1, Geometry, Algebra 2, and 1 additional course)	4 credits (including Algebra 1, Geometry, Algebra 2, and 1 additional course)
Science	3 credits credits of lab sciences (including Biology and 2 additional lab courses)	3 credits of lab sciences (including Biology and 2 additional lab courses)	4 credits of lab sciences (including Biology, 2 additional lab courses, and 1 elective Science)	4 credits of lab sciences (including Biology, 2 additional lab courses, and 1 elective Science)
Social Studies	3.5 credits	3.5 credits	3.5 credits	3.5 credits
World Languages	2 years (same World Language)	2 years (same World Language)	2 years (same World Language)	2 years (same World Language)
Other		2 credits chosen from Visual Arts, Fine Arts, Performing Arts, Music, Graphic Design, Family Consumer Science, etc.	1 credit (or more) chosen from Technology, Engineering, Computers, Advanced Manufacturing, Science, Math, Accounting, etc.	2 credits from chosen ARTS & 1 credit (or more) chosen from STEM

### Advanced Placement (AP)

Participating in the Advanced Placement (AP) Program gives students the opportunity to take rigorous college-level courses while still in high school. AP courses teach advanced writing skills, problem-solving skills, and study habits that will prepare you for college academics. Plus, taking demanding AP courses demonstrates your maturity, your willingness to push yourself intellectually, and your commitment to academic excellence, which can help you stand out in the college admissions process. The most competitive colleges expect prospective students to take advantage of available AP courses in high school. AP courses are offered globally, and are recognized by all colleges as being "the most rigorous" courses available on the high school level. These courses are listed in the program within its respective department and in the table below.

Advanced Placement Offerings				
Course	CRS #	Grade	Credit	Length
Art Studio 2-D Design AP	060094	10–12	2	Year
Art Studio 3-D Design AP	060114	10–12	2	Year
Art Studio Drawing AP	060134	10–12	2	Year
Biology AP	030044	11–12	2	Year
Calculus AP	020214	12	1	Semester
English Language & Composition AP	010074	12	2	Year
French AP	100114	11–12	2	Year
Micro & Macro Economics AP	040074	11–12	2	Year
Physics 1: Algebra Based AP	030144	12	1	Semester
Physics 2: Algebra Based AP	030154	12	1	Semester
Spanish AP	100314	11–12	2	Year
Statistics AP	020244	11	1	Semester
US History AP	040254	10–12	2	Year

Additional AP courses are available to Spaulding students through NH Virtual Learning Academy Charter School (VLACS). Students taking AP courses through VLACS must notify the AP Coordinator by October 1st. All Students are welcome to take AP courses. However, they should be prepared to face rigorous academic demands, as well as pre-AP preparation through prerequisite coursework and/or summer assignments. Students enrolled in AP courses are expected to take the relevant AP Exam at the conclusion of the course. You can earn credit and/or placement at most colleges and universities in the United States, and in 40 other countries, through qualifying exam grades. Each college sets its own AP policy. This information is available at the institution's own website, or by using the search at [www.collegeboard.com/ap/credit](http://www.collegeboard.com/ap/credit) policy.

### **Move on When Ready (MOWR)**

Students should enroll in a MOWR course with the expectation of engaging in self-direction, collaboration with peers, personalized learning, and real world application to the course content. Students will be expected to work independently with rigorous content while utilizing time management skills.

MOWR Offerings				
Course	CRS #	Grade	Credit	Length
English 3	0100515	11	1	Semester
English 3 ENR	0100525	11	1	Semester
English 4	0100715	12	1	Semester
English 4 ENR	0100725	12	1	Semester
Algebra 2	0201515	10-12	1	Semester
Algebra 2 ENR	0201525	10-12	1	Semester
Algebra 2 HNR	0201535	10	1	Semester
Calculus AP	020214	12	1	Semester
Calculus ENR	020212	11-12	1	Semester
Pre-Calculus ENR	0202625	11-12	1	Semester
Pre-Calculus HNR	0202635	11-12	1	Semester
Trigonometry	0201715	11-12	1	Semester
Trigonometry ENR	0201725	10-12	1	Semester
Trigonometry HNR	0201735	11-12	1	Semester
Anatomy & Physiology I HNR	0300135	11-12	1	Semester
Anatomy & Physiology II HNR	0300235	11-12	1	Semester
Biology	0305015	10-12	2	Semester
Biology ENR	0305025	10-12	1	Semester
Biology HNR	0300335	10-12	1	Semester
Biology AP	030044	11-12	1	Year
Human Biology ENR	0300325	10-12	1	Semester
Human Biology II ENR	0304425	11-12	1	Semester
Economics	040371	10-12	1/2	Quarter
Economics ENR	0400725	11–12	1	Semester
US History (previously US History 2)	040381	9-12	1	Semester
US History (previously US History 2 ENR)	040382	9-12	1	Semester
US History 2 HNR	040333	10-12	1	Semester
Spanish 1 ENR	100242	10-12	1	Semester

### Dual Credit/Running Start/College Credit Offerings

The New Hampshire Running Start Program is a higher education initiative for high school students to enroll in college courses offered by the N.H. Community Technical College System as well as other colleges and universities at a significant reduction in tuition. The courses earn dual credit, high school and college. The courses are taught by selected Spaulding High faculty who meet or exceed the qualifications of the institution(s) granting credit.

- College credit can be used to continue study at 2 or 4-year N.H. Community College, 4-year College of the University of New Hampshire System, other colleges and universities, and is potentially transferable.
- Accelerates the process of higher education
- Significant savings on a college education

SHS & CTC Course	Post-Secondary Course	Post-Secondary Partner	College Credits	Type of Credit
<b>Accounting I</b>	ACCT 113 Accounting / Financial Reporting I	Great Bay Community College	3	RS
<b>Accounting II</b>	ACCT 213 Accounting / Financial Reporting II	Great Bay Community College	3	RS
<b>Advanced Drawing HNR</b>	ARTS 123G- DRAWING I	Great Bay Community College	3	RS
<b>AFJROTC – any three courses</b>	OL 105 Foundations of Management	Southern New Hampshire University	2	A
<b>AFJROTC – any four courses</b>	OL 215 Principles of Management	Southern New Hampshire University	3	A
<b>Architecture/Mechanical Engineering I</b>	AEDD 105 CAD Graphics	Southern Maine Community College	3	A
<b>Automotive Service Technology II</b>	AUTO 101 Automotive Maintenance and Light Repair	Manchester Community College	4	RS
<b>Business Management</b>	BUS 114 Management	Great Bay Community College	3	RS
<b>Calculus AP</b>	MAT225 Calculus 1: Single-Variable Calculus	Southern New Hampshire University	3	DE
<b>Calculus ENR</b>	MAT225 Calculus 1: Single-Variable Calculus	Southern New Hampshire University	3	DE
<b>College Composition</b>	ENG 110 College Composition I	Great Bay Community College	3	RS
<b>Computer Technology II</b>	IST 113 IT Essentials	Great Bay Community College	3	RS
<b>Criminal Law &amp; Procedure</b>	CRJM 121G Criminal Procedure	Great Bay Community College	3	RS
<b>Criminology</b>	CRJ150 Criminology	Great Bay Community College	3	RS
<b>Digital Photography &amp; Video Production Technology I</b>	ARTS 2120 Intro to Digital Photography ARTS 2130 Advanced Digital Photography	Lakes Region Community College	3 3	RS
<b>Entrepreneurship: Small Business Management</b>	BUS 205 Small Business Management	Great Bay Community College	3	RS
<b>Foundations of Education I</b>	TCHP 101G Foundations of Education	Great Bay Community College	3	RS
<b>Foundations of Education II</b>	TCHP 201G The Teaching & Learning Process	Great Bay Community College	3	RS
<b>Graphic Design &amp; Print Technology II</b>	GRC 176 Photoshop I	Central Maine Community College	3	RS
<b>Health Science Technology II</b>	AHLT 110 Medical Terminology	Great Bay Community College	3	RS
<b>Heating, Vent, Air Cond, Refrigeration I &amp; II</b>	HVAC 101 Intro to HVAC Systems HVAC 114 Heating Theory I	Manchester Community College	3 3	A
<b>Human Growth &amp; Development</b>	DEV 106 Child Development	Southern New Hampshire University	3	DE
<b>International Business</b>	BUS 209 Principles of Global Business	Great Bay Community College	3	RS
<b>Introduction to Business</b>	BUS 100 Intro to Business	Great Bay Community College	3	RS
<b>Intro to Criminal Justice</b>	CRJM 101 Intro to Criminal Justice	Great Bay Community College	3	RS
<b>Juvenile Justice</b>	CRJM 210G Juvenile Justice	Great Bay Community College	3	RS
<b>Marketing</b>	MKTG 125 Principles of Marketing	Great Bay Community College	3	RS
<b>Personal Finance</b>	ECON 225 Personal Finance	Great Bay Community College	3	RS
<b>Precision Machining II</b>	MTTN 111 Machine Tool Process & Theory	Nashua Community College	7	RS
<b>Quantitative Reasoning ENR</b>	MATH 145G Quantitative Reasoning	Great Bay Community College	3	RS
<b>Restaurant Management I &amp; ServSafe Certified</b>	Restaurant Development & Strategic Planning		3	RS
	CULA 112 Intro. to Hot Food Production	Great Bay Community College	3	A
	CULA 117 Intro. to Baking	White Mountain Community College	3	A
	Food Service Sanitation II		3	A
<b>US History II Honors</b>	HIS 114 US History II	Southern New Hampshire University	3	DE

RS= Running Start DE= Dual Enrollment A= Articulation



### **College and Career Planning**

Although Spaulding's graduation requirements are posted on page four, fulfilling these minimum graduation requirements will not necessarily meet the admissions requirements of many colleges. The recommended credits for admission to post-secondary schools are as follows:

	English	Math	Science	Social Studies	World Languages
Two-Year/Tech Colleges	4	2-3	1-3	3	0-2
Four-Year Colleges	4	3-4	2-4	3	2-4
Highly Selective Colleges	4	4-5	3-4	3-4	4-5

\*These credits vary with the intended area of specialization of each student as well as with the demands of each school. See your school counselor for information about specific requirements for your program/school of interest. See your Career Tech Director for specifics about CTE Programs and options.

### **Spaulding High School Academic Planning Worksheet**

<b>First Year</b> Math:  English:  Science:  Social Studies:  Fine Arts:  Health:  Electives:  Extra-Curricular Activities:  Notes:	<b>Third Year</b> Math:  English:  Science:  Social Studies:  Fine Arts:  Health:  Electives:  Extra-Curricular Activities:  Notes:
<b>Second Year</b> Math:  English:  Science:  Social Studies:  Fine Arts:  Health:  Electives:  Extra-Curricular Activities:  Notes:	<b>Fourth Year</b> Math:  English:  Science:  Social Studies:  Fine Arts:  Health:  Electives:  Extra-Curricular Activities:  Notes:

## AFJROTC Aerospace Science and Leadership Education

Air Force Junior Reserve Officer Training Corps (AFJROTC) is a program designed to develop citizens of character dedicated to serving their nation and community. **There is no military obligation associated with this program.** Each AFJROTC class consists of three components— aerospace science, leadership education, and a wellness program. To reinforce what is taught in the classroom, students participate in many outside activities such as field trips to military bases, aerospace facilities and industries, museums, civilian airports and other areas related to aerospace education which may also include flights on civilian or military aircraft. AFJROTC units also offer the opportunity to participate in co-curricular activities to include competition drill team, remote control aircraft and rocketry clubs, cadet leadership courses, and honorary academic groups. While there is no military obligation associated with AFJROTC courses, there are several benefits available to students interested in military service. Students interested in pursuing a commission have added opportunity to apply for admission to a service academy and compete for college ROTC scholarships. Students who enlist graduate from basic training at one or two higher pay grades than other graduates (depending on branch of service). Students who complete three AFJROTC courses earn two college credits in the Southern New Hampshire University course OL 105 Foundations of Management. Students who complete four AFJROTC courses earn three college credits in SNHU course OL 215 Principles of Management. **Students enrolled in an AFJROTC course each year for four years satisfy the graduation requirement for their second PE course. AS 220 Cultural Studies can be taken as a substitute for Global Studies.**

**As part of the CTE program, students may pursue the Unmanned Aircraft Systems (UAS/Drone) certification and the ground training for a private pilot certificate. For the UAS certification, students take both Science of Flight courses, AS 200 Physics of Flight followed by AS 200 UAS/Drone. Once complete, students can continue on to pursue their ground portion of the private pilot certificate by taking Aviation Ground School.**

Course	CRS#	Grade	Credit	Length	4 <sup>th</sup> Math Experience
AS 100 Journey Into Aviation History Through WWI	0801031	9-12	1	Semester	
AS 100 Journey Into Aviation History WWII and Beyond	0801041	9-12	1	Semester	
+AS 200: The Science of Flight: Physics of Flight	0801051	9-12	1	Semester	π
+AS 200: The Science of Flight: UAS/Drone	0801061	10-12	1	Semester	π
AS 220: Cultural Studies: Middle East/Asia/Africa	0801071	9-12	1	Semester	
AS 220: Cultural Studies: Europe/Russia/Latin America	0801081	9-12	1	Semester	
+AS 500 Aviation Ground School	0801091	11-12	2	Year	π
AS 600 Cadet Leadership Course	0801111	10-12	1/2	5 Day Summer	
+ENR or HNR credit available with contract					

### **\*AS 100: A JOURNEY INTO AVIATION THROUGH WWI (previously known as A JOURNEY INTO AVIATION HISTORY 1)**

CRS 0801031 Grades 9-12 CR 1 S 1 block

This is an aviation history course focusing on the development of flight throughout the centuries. It starts with ancient civilizations, then progresses through time to airpower in WWI. The emphasis is on civilian and military contributions to aviation. Throughout the course, there are readings, videos, hands on activities, and in-text and student workbook exercises to guide in the reinforcement of the materials. Leadership education, drill, and health and wellness are integral parts of the course.

### **\*AS 100: A JOURNEY INTO AVIATION WWII AND BEYOND (previously known as A JOURNEY INTO AVIATION HISTORY 2)**

CRS 0801041 Grades 9-12 CR 1 S 1 block

This aviation history course focuses on airpower during WWII and the transformation of the Air Force. Throughout the course, there are readings, videos, hands on activities, and in-text and student workbook exercises to guide in the reinforcement of the materials. Leadership education, drill, and health and wellness are integral parts of the course.

### **AS 200: THE SCIENCE OF FLIGHT: PHYSICS OF FLIGHT + (previously known as THE SCIENCE OF FLIGHT: A GATEWAY TO NEW HORIZONS1)**

CRS 0801051 Grades 9-12 CR 1 S 1 block

This is an introductory course that focuses on how airplanes fly, flight and the human body, and flight navigation. The course is designed to complement materials taught in math, physics, and other science-related courses and is aligned with the National Science Education Standards, the Math Standards and Expectations, and ISTE National Educational Technology Standards for Students. Leadership education, drill, and health and wellness are integral parts of the course. **+ENR or HNRS credit available with contract.**

### **AS 200: THE SCIENCE OF FLIGHT: UAS/DRONE + ENR or HNR credit available with contract**

PREREQUISITE: Successful completion of AS 200: The Science of Flight: Physics of Flight

CRS 0801061 Grades 10-12 CR 1 S 1 block

This course follows the Physics of Flight course and prepares the student for the FAA Drone/UAS pilot written test and certification as a drone pilot. Content includes the flying environment and UAS/Drone operations with hands-on activities with state of the art equipment. The course is designed to complement materials taught in math, physics, and other science-related courses and is aligned with the National Science Education Standards, the Math Standards and Expectations, and ISTE National Educational Technology Standards for Students. Leadership education, drill, and health and wellness are integral parts of the course. **+ENR or HNRS credit available with contract.**

### **AS 220: CULTURAL STUDIES: MIDDLE EAST/ASIA/AFRICA previously known as CULTURAL STUDIES: An Introduction to Global Awareness**

CRS 0801071 Grades 9-12 CR 1 S 1 block

This is a customized course and introduces students to the world's cultures through the study of world affairs, regional studies, and cultural awareness in the Middle East, Asia, and Africa. The course delves into history, geography, religions, languages, culture, political systems, economics, social issues, environmental concerns, and human rights. It looks at major events and significant figures that have shaped each region. Throughout the course, there are readings, video segments, hands-on activities, other optional activities, technology enrichment, and assessments to guide in the reinforcement of the materials. Leadership education, drill, and health and wellness are integral parts of the course. **Note: This class will fulfill the Global Studies requirement for graduation.**

**AS 220: CULTURAL STUDIES: EUROPE/RUSSIA/LATIN AMERICA** previously known as **CULTURAL STUDIES: An Introduction to Global Awareness**

CRS 0801081 Grades 9-12 CR 1 S 1 block

This is a customized course and introduces students to the world's cultures through the study of world affairs, regional studies, and cultural awareness in Europe, Russia, and Latin America.. The course delves into history, geography, religions, languages, culture, political systems, economics, social issues, environmental concerns, and human rights. It looks at major events and significant figures that have shaped each region. Throughout the course, there are readings, video segments, hands-on activities, other optional activities, technology enrichment, and assessments to guide in the reinforcement of the materials. Leadership education, drill, and health and wellness are integral parts of the course. **Note: This class will fulfill the Global Studies requirement for graduation.**

**AS 500: AVIATION GROUND SCHOOL** +ENR or HNR credit available with contract (π)

CRS 0801091 Grades 11-12 CR 2 Y 1 block

PREREQUISITE: Approval by AFJROTC Senior Aerospace Science Instructor

This course is the foundation for students interested in careers in aviation and fulfills all of the Federal Aviation Administration (FAA) ground training requirements to take the private pilot knowledge test, satisfying the ground portion required to certify as a private pilot. The material covered is an advanced, more in-depth study of aerospace topics. Students will study aircraft systems, aerodynamics, meteorology, flight physiology, and aerial charts and navigation. Additionally, students will explore careers in the aviation industry. Students have the opportunity to take control of a Cessna 172 during an orientation flight originating out of Skyhaven Airport. Leadership education, drill, and health and wellness are integral parts of the course.

**AS 600 - CADET LEADERSHIP COURSE (CLC)**

CRS 0801111 Grades 10-12 CR 1/2 five days/off-site

PREREQUISITE: One JROTC class.

Students are exposed to advanced leadership material and concepts during an intensive five day/four night encampment at an off-site location. Students learn and experience leadership and teamwork through hands-on activities including Group Leadership Problems (GLPs), athletics and military drill. Spaulding students join other Air Force JROTC students from Salem and Alvirne High Schools. Note: This class is not one of your eight credit classes. Enrollment applications are submitted through the AFJROTC instructors.

## Art Department

Art classes offer students the opportunity to be creative using a variety of materials and techniques. Strong craftsmanship, careful planning and original ideas are requirements for all art classes. Students are expected to complete formative and summative assessments according to the art department competencies. *Note: All art courses will fulfill the State of New Hampshire graduation requirement for 1/2 credit in fine arts.*

Course	CRS#	Grade	Credit	Length	College Credit Opportunity	4 <sup>th</sup> Math Experience
Advanced Drawing HNR (offered 22-23)	060233	10-12	1	Semester	*	
Art 1	060011	9-12	1	Semester		
Art 2	060031	9-12	1	Semester		
Art 3 HNR	060053	10-12	1	Semester		
Art Studio 2-D Design AP	060094	10-12	2	Year	*	
Art Studio 3-D Design AP	060114	10-12	2	Year	*	
Art Studio Drawing AP	060134	10-12	2	Year	*	
Ceramics	060201	9-12	1	Semester		
Collaborative Art (offered Spring 22)	060141	10-12	1	Semester		
Commercial Design (offered 22-23)	060241	9-12	1	Semester		π
Jewelry & Glass (offered Spring 22)	060231	9-12	1	Semester		
Painting and Drawing	060171	9-12	1	Semester		
Sculpture	060211	9-12	1	Semester		

### **ADVANCED DRAWING HNR-**

CRS 060233 Grades: 10-12 CR 1 S 1 block

Prerequisite: Art 1

This drawing intensive course follows the curriculum utilized at Great Bay Community College. Completion of this course will give students 3 college credits. Students will experiment with a variety of drawing media and become skilled in their usage. Students will also participate in the classroom discussions and critiques by offering viewpoints and opinions based on knowledge gained from drawing experiences. Various drawing media and techniques are explored in this course both in class and at home. Assignments are designed to build drawing observation skills necessary for visual communications. **Note: Students taking this course will have the option of earning three college credits from Great Bay Community College. There would be a fee associated with this option. Note: this course will run in alternating years. It will be offered for the 2022-2023 school year**

### **ART 1**

CRS 060011 Grades 9-12 CR 1 S 1 block

This is a beginning course which includes study of the basic elements of Art: line, color, shape/form, pattern, texture, space and value. Students will develop drawing and designing skills and experience various techniques in the areas of drawing, painting, sculpture, printmaking and ceramics. **Note: This class will fulfill the fine arts requirement for graduation.**

### **ART 2**

CRS 060031 Grades 9-12 CR 1 S 1 block

PREREQUISITE: Art 1

This is a continuation and expansion of Art 1, media and techniques. The following areas are included: drawing, painting, printmaking, three-dimensional design and ceramics.

### **ART 3 HNR**

CRS 060053 Grades 10-12 CR 1 S 1 block

PREREQUISITE: Art 2

This course is for students with exceptional ability and a creative attitude. The direction of the course is partially determined by the interests of the group and may include experiences in drawing, painting, sculpture, photography, printmaking, and ceramics. Students are expected to develop original ideas and strive to develop their own style. This course may be taken more than once.

### **ART STUDIO ART 2-D DESIGN AP**

CRS 060094 Grades 10-12 CR 2 Y 1 block

### **ART STUDIO ART 3-D DESIGN AP**

CRS 060114 Grades 10-12 CR 2 Y 1 block

### **ART STUDIO ART DRAWING AP**

CRS 060134 Grades 10-12 CR 2 Y 1 block

PREREQUISITE: Art 2 and written approval by visual arts educator.

Advanced Placement (AP) Art is a nationally standardized course. Requirements for completing the course and receiving credit vary each year based upon the requirements established by the College Board for Advanced Placement. In years past, students have been required to develop a portfolio with two sections. The quality section requires 5 works and the concentration section requires 15 works. Digital photographs of the work will be taken by the students and uploaded to the AP website. It is required by the end of first semester for the student to have completed 2/3 of all pieces of art required for their Advanced Placement portfolio exam as well as paying in full, all fees related to the AP Studio Art exam. The AP Art portfolio is due in May. Full completion and submission of the portfolio to the College Board is required to earn and maintain any credits from this course. This class may be taken three times, once for Drawing, once for 2-D design, and once for 3-D design.

## CERAMICS

CRS 060201 Grades 9-12 CR 1 S 1 block

PREREQUISITE: Art 1

This course includes both hand-built and wheel-thrown pottery techniques. Students are expected to plan their projects, practice ceramic techniques, and help recycle clay and care for the ceramics studio. Students are required to develop original ideas and to complete formative and summative assessments according to the competencies.

## COLLABORATIVE ART ( offered 21-22)

CRS 060141 Grades 10-12 CR 1 S 1 block

PREREQUISITE: Regular Ed - Art 1 and application to Art Department. Special Education students will be selected by their IEP team. This class provides an exciting opportunity for students to share art. In this course a regular education student will be paired with a special education student to collaborate on art assignments. Each will contribute to the design and production of a variety of art works. There will be both jointly and independently created art works. This class may be taken more than once. **Note: this course will run in alternating years. It will be offered for Spring 2022 school year**

## COMMERCIAL DESIGN (π)

CRS 060241 Grades 9-12 CR 1 S 1 block

PREREQUISITE: Art 1

This course is an introduction to a variety of commercial art, illustration and design applications, including: typestyle and font design, logo design, illustration and package design, sign design and other graphic and industrial design projects. Topics explored in Commercial Design provide students with opportunities for success in high school mathematics, critical thinking, and problem solving. This course fulfills the requirement for the 4<sup>th</sup> Math Experience. **Note: this course will run in alternating years. It will be offered for the offered 2022 - 2023 school year**

## JEWELRY & GLASS

CRS 060231 Grades 9-12 CR1 S 1 block

PREREQUISITE: Art 1

Students taking this course will learn to create jewelry from everyday objects using glass, clay, metal, wire, plaster and paper to list a few. Experience the process of small scale production while creating necklaces, pendants, bracelets, beads, rings, and ornamental items. Students are required to develop original ideas and to complete formative and summative assessments according to the competencies. **Note: this course will run in alternating years. It will be offered for the Spring 2022 school year**

## PAINTING AND DRAWING

CRS 060171 Grades 9-12 CR 1 S 1 block

PREREQUISITE: Art 1

Advanced drawing and painting skills are expected of students who enroll in this course. This course may cover still-life, landscape, figure and portrait drawing with pencil, ink, conte, watercolor, pastels and acrylics. Students are required to develop original ideas and to complete formative and summative assessments according to the Art Department competencies. Note: Fulfills the State of New Hampshire graduation requirement for ½ credit in the fine arts.

## SCULPTURE

CRS 060211 Grade 9-12 CR 1 S 1 block

PREREQUISITE: Art 1

Students who take this course learn to make three-dimensional objects. Sculptural techniques include modeling, carving and construction. Materials used may include wire, plaster and papier-mâché, etc. Study of historic sculpture and sculptors is introduced when appropriate. Students are required to develop original ideas and to complete formative and summative assessments according to the competencies.

## English Department

Competency in English requires the development of reading, writing, speaking and listening skills. Courses offered seek to enhance students' abilities in these areas. The selection of materials attempts to serve students' interests and comprehension. Because of the complexity of the world, the English Department maintains a solid but flexible program "to prepare each individual to meet the changing problems of living by training individuals to think critically, to recognize opinion, to make judgments based upon humanitarian principles, to maintain a positive attitude, and to have a feeling of achievement." Please note graduation requirements on page 3. ENR and HNRS credit is available for some courses. Students who have a particular interest area may take additional elective courses.

- Students will not take English 2 until they pass English 1.
- Students will not take English 3 until they pass English 1 and 2.
- Students will not take English 4 until they pass English 1, 2, and 3.
- Students will not take two core English classes in a semester. Students may simultaneously take a core English and an elective.
- Students who take ESOL fulfill a core English requirement.
- Students will have required summer reading in honors level classes.

Course	CRS#	Grade	Credit	Length	College Credit Opportunity
College Composition HNR	010092	12	1	Semester	*
Controversial Literature	010341	12	1	Semester	
Controversial Literature ENR	010342	12	1	Semester	
Creative Writing Workshop	010301	12	1	Semester	
Creative Writing Workshop ENR	010302	12	1	Semester	
English 1	010011	9	1	Semester	
English 1 ENR	010012	9	1	Semester	
English 1 HNR	010013	9	1	Semester	
English 2	010031	10	1	Semester	
English 2 ENR	010032	10	1	Semester	
English 2 HNR	010033	10	1	Semester	
English 3	010051	11	1	Semester	
MOWR English 3	0100515	11	1	Semester	
English 3 ENR	010052	11	1	Semester	
MOWR English 3 ENR	0100525	11	1	Semester	
English 3 HNR	010053	11	1	Semester	
English 4	010071	12	1	Semester	
English 4 ENR	010072	12	1	Semester	
MOWR English 4	0100715	12	1	Semester	
MOWR English 4 ENR	0100725	12	1	Semester	
English Language and Composition AP	010074	11 or 12	2	Year	*
Film Studies	010111	12	1	Semester	
Film Studies ENR	010332	12	1	Semester	
Freshman Literacy Seminar	010071	9	1/2	Semester Mini	
Legacy of William Shakespeare ENR	010272	12	1	Semester	
Legacy of William Shakespeare HNR	010273	12	1	Semester	
Media Literacy	010251	12	1	Semester	
Media Literacy ENR	010252	12	1	Semester	
Journalism	010351	10-12	1	Semester	
Yearbook ENR	010212	9-12	1	Semester	
Yearbook 2 ENR	010312	10-12	1	Semester	
ESOL – Q English for Speakers of Other Languages	130051	9-12	½	Quarter	
ESOL – S English for Speakers of Other Languages	130031	9-12	1	Semester	
ESOL – Y English for Speakers of Other Languages	130011	9-12	1	Year	

### **\* COLLEGE COMPOSITION HNR**

CRS 010092 Grades 12 CR 1 S 1 block

PREREQUISITE: Placement test and approval of instructor and GBCC Running Start Coordinator.

Prerequisite: Competency in English 3 HNR or ENR

This writing-intensive course follows the curriculum utilized at Great Bay Community College. Students will learn to write clearly and effectively for defined audiences through a variety of stages. Emphasis is on the writing process, from drafting through prewriting, revision, and editing. This course places reading at the core of the writing curriculum by including interaction with reading selections as the vehicle for idea development, analytic and interpretive skill, research, and writing models.

**Note: Students taking this course will have the option of earning four college credits. There would be a fee associated with this option. Note: This course satisfies the English 4 credit requirement. Note: Summer reading is required.**

**\*CONTROVERSIAL LITERATURE**

CRS 010341 Grade 12 CR 1 S 1 block

**\*CONTROVERSIAL LITERATURE ENR**

CRS 010342 Grade 12 CR 1 S 1 block

PREREQUISITE: English 3

What books don't some people want you to read? Many best-loved books have been challenged or banned by people who object to their work. This course delves into the history of book banning and current censorship in the United States. We will define intellectual freedom, discuss the first and fourteenth amendments as challenged in court censorship cases, and debate censorship in a variety of literary works, ranging from children's books to young adult novels, with an emphasis on close reading of each text and what led to its banning. Literary titles include, but are not limited to: *The Perks of Being a Wallflower*, *Fahrenheit 451*, *My Sister's Keeper*, *The Color Purple*, and *One Flew Over the Cuckoo's Nest*. The Enriched student should expect reading and writing to be more intensive and rigorous than the Standard level. **Note: This course satisfies the English 4 credit requirement.**

**\*CREATIVE WRITING WORKSHOP**

CRS 010301 Grade 12 CR 1 S 1 block

**\*CREATIVE WRITING WORKSHOP ENR**

CRS 010302 Grade 12 CR 1 S 1 block

PREREQUISITE: English 3

This course is designed for the student who enjoys creative expression through the written word. Students create original fiction and poetry as well as other creative forms such as personal essays. A writing workshop approach is utilized to emphasize writing as a process, including peer editing, teacher commentary and multiple drafts. Course materials include writing samples from students as well as published sources for each type of writing. To enhance their own skills as writers, students will also engage in extensive reading. Texts: *The Things They Carried*, *The Perks of Being a Wallflower*, and choice novel. Selections are also from *Writing Down the Bones*, *What a Writer Needs*, *Wild Mind*, selected essays, and short fiction. Enriched students should expect reading and writing to be more intensive and rigorous than the Standard level. **Note: This course satisfies the English 4 credit requirement.**

**\* ENGLISH 1**

CRS 010011 Grade 9 CR 1 S 1 block

English 1 includes a study of grammar, usage & mechanics, vocabulary, composition, speech, literary terms, and the PACE \* assessment. English 1 students will complete a short story unit and literary selections may include, but are not limited to: *The Tragedy of Romeo and Juliet*, *Sunrise over Fallujah*, *House on Mango Street*, *Anthem*, and *Animal Farm*.

**\* ENGLISH 1 ENR**

CRS 010012 Grade 9 CR 1 S 1 block

PREREQUISITE: Teacher recommendation.

The curriculum includes an intensive study of grammar, usage & mechanics, vocabulary, speech, composition, literature, and the PACE assessment. Short story and literary selections may include, but are not limited to: *The Tragedy of Romeo and Juliet*, *The Other Wes Moore*, *Anthem*, *Cheaper by the Dozen*, *Animal Farm*, and mythology.

**\* ENGLISH 1 HNR**

CRS 010013 Grade 9 CR 1 S 1 block

PREREQUISITE: Teacher recommendation

The curriculum includes an intensive study of grammar, usage & mechanics, vocabulary, speech, composition, literature, and the PACE assessment. In addition to a study of the elements of the short story, students will read *The Tragedy of Romeo and Juliet*, *The Other Wes Moore*, and *Great Expectations*. Additional texts may include: mythology, *Anthem*, and *Animal Farm*. **Note: Summer reading is required.**

**\* ENGLISH 2**

CRS 010031 Grade 10 CR 1 S 1 block

PREREQUISITE: Competency in English 1

English 2 includes a study of grammar, word usage, vocabulary, composition, speaking and listening skills, literary terms and the four basic literary genres. Works studied include: *For One More Day*, *Night, Of Mice and Men*, and short stories. A required writing portfolio will include an analytical essay, a research-based argument essay, a narrative essay, and a portfolio evaluation essay.

**\* ENGLISH 2 ENR**

CRS 010032 Grade 10 CR 1 S 1 block

PREREQUISITE: Competency in English 1

English 2 ENR includes a study of grammar, usage and mechanics, vocabulary, composition, speaking and listening skills, literary terms, and the four basic literary genres. Students will be expected to devote considerable time to independent reading and writing. Approximately 30 minutes of homework per night is required. Works studied include: *To Kill a Mockingbird*, *Night, Of Mice and Men*, *A Midsummer Night's Dream* and selected short stories. A required writing portfolio will include an analytical essay, a research-based argument essay, a narrative essay, and a portfolio evaluation essay.

**\* ENGLISH 2 HNR**

CRS 010033 Grade 10 CR 1 S 1 block

PREREQUISITE: English 1 HNR or ENR and Teacher recommendation.

Students are required to do extensive reading and writing and expected to participate in class discussion. English 2 Honors includes a study of grammar, usage and mechanics, vocabulary, composition, speaking and listening skills, literary terms, and the four basic literary genres. Approximately one hour of homework per night is required. Works studied may include *The Catcher in the Rye*, *To Kill a Mockingbird*, *Night, Of Mice and Men*, *The Hate U Give*, *A Midsummer Night's Dream*, *Illustrated Man* and selected short stories and poems. A required writing portfolio will include an analytical essay, a research-based argument essay, a narrative essay, and a portfolio evaluation essay. **Note: Summer Reading is required.**

**\* ENGLISH 3**

CRS 010051 Grade 11 CR 1 S 1 block

**\*MOWR ENGLISH 3**

CRS 0100515 Grade 11 CR 1 S 1 block

PREREQUISITE: English 2

English 3 explores the American Identity and its recurring themes through short stories, poetry, and novels. Literary selections may include, but are not limited to: *Into the Wild*, *The Absolutely True Diary of a Part-Time Indian*, *The Crucible*, *The Adventures of Huckleberry Finn*, and *A Walk Across America*. Reading comprehension, grammar and writing skills, and vocabulary development are emphasized. Major writing assignments include a research-based argument, SAT writing, and analytical compositions.

**\* ENGLISH 3 ENR**

CRS 010052 Grade 11 CR 1 S 1 block

**\* MOWR ENGLISH 3 ENR**

CRS 0100525 Grade 11 CR 1 S 1 block

PREREQUISITE: English 2 ENR

English 3 ENR explores the American Identity and its recurring themes through short stories, poetry, and novels. Titles may include, but are not limited to: *Into the Wild*, *The Absolutely True Diary of a Part-Time Indian*, *The Crucible*, *The Grapes of Wrath*, *The Great Gatsby*, *The Adventures of Huckleberry Finn*, and *A Walk Across America*. Content is generally balanced among reading, class discussions, grammar, composition, vocabulary development, collaborative activities, and oral presentations. Students are required to do extensive reading and writing. Major writing assignments include a research-based argument, SAT writing, and analytical compositions.

**\* ENGLISH 3 HNR**

CRS 010053 Grade 11 CR 1 S 1 block

PREREQUISITE: English 2 HNR or ENR and Teacher recommendation.

English 3 Honors explores the American Identity and its recurring themes through short stories, poetry, and novels. Major works include, but are not limited to: *Into the Wild*, *The Crucible*, *The Great Gatsby*, *The Awakening*, *Their Eyes Were Watching God*, *The Adventures of Huckleberry Finn*, and *Uncle Tom's Cabin*. Content is generally balanced among reading, class discussions, Socratic seminars, grammar, composition, vocabulary development, collaborative activities, and oral presentations. Students are required to do extensive reading and writing. Major writing assignments include a research-based argument, SAT writing, and analytical compositions. **Note: Summer reading is required.**

**\* ENGLISH 4**

CRS 010071 Grade 12 CR 1 S 1 block

**\* MOWR ENGLISH 4**

CRS 0100715 Grade 12 CR 1 S 1 block

PREREQUISITE: English 3

English 4 focuses on the study of world literature as represented in novels, media, film, and nonfiction works. This course is designed to strengthen communication, critical thinking, and writing skills. Literature to be studied includes *A Long Way Gone* and *Persepolis*, in addition to other titles. Students will increase their awareness of language, develop writing abilities, and engage in team learning and group projects.

**\* ENGLISH 4 ENR**

CRS 010072 Grade 12 CR 1 S 1 block

**\* MOWR ENGLISH 4 ENR**

CRS 0100725 Grade 12 CR 1 S 1 block

PREREQUISITE: English 3 ENR

English 4 ENR focuses on the study of world literature as represented in novels, media, and nonfiction works. This course is designed to strengthen critical thinking skills, improve critical writing skills, and increase universal literacy skills. Literature to be studied includes *A Long Way Gone*, *Persepolis*, and a choice novel in addition to other titles. Students will utilize analytical reading and thinking, increase their knowledge of language, develop creative and expository writing abilities, deliver oral presentations, and engage in team learning and group projects.

**\* ENGLISH LANGUAGE AND COMPOSITION AP**

CRS 010074 Grade 11 & 12 CR 2 Y 1 block

PREREQUISITE: Departmental recommendation, B or better in English 2 HNR, English 3 HNR, or English 3 ENR

This course encompasses a study of non-fiction literature and novels, including *In Cold Blood* and *Heart of Darkness*. Goals for Advanced Placement (AP) English Language and Composition focuses on how written language functions rhetorically. Written tasks include informal compositions, and argumentative, expository, and synthesis essays. Classroom discussion and active participation are essential. Ultimately, the course prepares students for success on the AP Language and Composition Exam in May. **Note: This course satisfies the English 3 or 4 credit requirement. Note: Summer reading is required.**

**\*FILM STUDIES**

CRS 010111 Grade 12 CR 1 S 1 block

**\*FILM STUDIES ENR**

CRS 010332 Grade 12 CR 1 S 1 block

PREREQUISITE: English 3

How are film, literature, and writing connected? Film Studies will explore this concept through viewing and analyzing films from a variety of genres, as well as focusing on various aspects of film terms and conventions. The class will read short stories, essays, and novels that relate to the films being viewed, and there will be writing assignments to critique and expand upon the topics being studied. This is a discussion-based class, and it satisfies the English 4 credit requirement. The Enriched students should expect the reading and writing, as well as the grading, to be more rigorous than the standard level. **Note: This course satisfies the English 4 credit requirement.**



## **FRESHMAN LITERACY SEMINAR**

CRS 010071 Grade 9 CR ½ S-mini 1 Block

This course is designed to prepare students for English I, but does not satisfy the English I requirement. Students who take this course will learn techniques for succeeding in reading and writing at the high school level. Students will engage in a variety of writing and grammar exercises to gain the necessary skills to generate organized, well-written work. Additionally, students will read a variety of short stories, poems, and other texts in order to become familiar with the elements of literature and develop analytic skills, thereby improving reading comprehension. **Note: In order to take this course, permission must be granted from the following team of people: parent, student, teacher, school counselor, and administrator.**

## **\* LEGACY OF WILLIAM SHAKESPEARE ENR**

CRS 010272 Grade 12 CR 1 S 1 block

## **\* LEGACY OF WILLIAM SHAKESPEARE HNR**

CRS 010273 Grade 12 CR 1 S 1 block

PREREQUISITE: English 3 and teacher recommendation

"All the world's a stage" in this literature and discussion course devoted to the life and works of the bard: William Shakespeare. Along with the sonnets, tragedies and comedies, such as Othello, Much Ado About Nothing, Twelfth Night, Taming of the Shrew, Macbeth, The Tempest, Hamlet and The Merchant of Venice, are studied both within the context of English Renaissance culture and for the timeless, universal appeal of the stories. The plays are reviewed via a range of media: text, film, audio recording, and live performance when possible. This will be a discussion and writing intensive course. The Honors level student should expect writing, reading and discussion expectations to be more rigorous than at the Enriched level. **Note: This course satisfies the English 4 credit requirement. Note: Summer reading is required for the HNR level.**

## **\* MEDIA LITERACY**

CRS 010251 Grade 12 CR 1 S 1 block

## **\* MEDIA LITERACY ENR**

CRS 010252 Grade 12 CR 1 S 1 block

PREREQUISITE: English 3

Media Literacy focuses on the study of thematic units such as dystopia and propaganda, culture, identity, and being an informed consumer. In this course, students will utilize analytical reading and thinking, increase their knowledge of language, and develop creative and expository writing abilities. Students will learn to interpret, write about, and respond to various forms of media. Students who wish to take this interdisciplinary course must be willing to work on projects outside of class, and engage in public speaking. The enriched student should expect the reading and writing, as well as the grading, to be more rigorous than the standard level. **Note: This course satisfies the English 4 credit requirement.**

## **JOURNALISM**

CRS 010351 Grades 10-12 CR 1 S 1 block ENR credit option is available with contract for this course.

PREREQUISITE: B in English and permission of the instructor.

This course introduces tomorrow's journalists to the fundamentals of covering and writing news. Mastering these skills is no simple task. In an Internet age of instantaneous access, demand for high-quality accounts of fast-breaking news has never been greater. Nor has the temptation to cut corners and deliver something less. To resist this temptation, reporters must acquire skills to identify a story and its essential elements, gather information efficiently, place it in a meaningful context, and write concise and compelling accounts, sometimes at breathtaking speed. The readings, discussions, exercises and assignments of this course are designed to help students acquire such skills and understand how to exercise them wisely. Students should expect to publish their stories in a school publication or broadcast.

## **YEARBOOK ENR**

CRS 010212 Grades 9-12 CR 1 S 1 block

PREREQUISITE: B or better in English. Students enrolled in this course will develop an understanding of the many aspects of producing the SHS Yearbook. Some of the many aspects are: marketing, business relations skills, advertising, interviewing, accounting, editing, final cropping, designing layouts and cooperative learning skills. Students who successfully complete this course are invited to apply to be an editor the following year and take the Yearbook 2 course

## **YEARBOOK 2 ENR 2**

CRS 010312 Grades 10-12 CR 1 S 1 block

PREREQUISITE: Yearbook 1, B or better in English, and instructor approval. Students enrolled in this course have decided that they wish to continue being a part of the SHS Triangle Yearbook staff and have applied and been selected by the advisors as editors. Students will work closely with each other, the advisor and the staff to create the SHS yearbook and further develop the skills that they learned in the Yearbook 1 course. Grades are based on the following: layouts, editing, accounting, cooperative learning, meeting deadlines and advertising. Students should be independent learners who can manage their time and deadlines effectively.

## **\* ENGLISH FOR SPEAKERS OF OTHER LANGUAGES (ESL-Q) QUARTER COURSE**

CRS 130051 Grade 9-12 CR 1/2 Q 1 block

## **\* ENGLISH FOR SPEAKERS OF OTHER LANGUAGES (ESL-S) SEMESTER COURSE**

CRS 130031 Grade 9-12 CR 1 S 1 block

## **\* ENGLISH FOR SPEAKERS OF OTHER LANGUAGES (ESL-Y) YEAR COURSE**

CRS 130011 Grade 9-12 CR 1 Y mini block

This course is open to beginning through advanced students who need support in using the English language in the curriculum. Reading comprehension, writing, grammar, vocabulary, and English literature will be studied. Students will have individual goals based on their English proficiency. Their curriculum materials may be modified, and they will receive extra instruction for their mainstream classes.

## Family Consumer Science

The Department of Family and Consumer Sciences faces the responsibility of providing for and enhancing the intellectual, social and moral development of youth today. The department maintains a flexible program to help each student meet the changing problems of living in contemporary society. Each course assists students in evaluating their own resources and attitudes, obtaining new skills and setting priorities in their lives.

Course	CRS#	Grade	Credit	Length	College Credit Opportunity
Cooking Basics 101	090031	11-12	½	Quarter	
Collaborative Creative Fabrics	090121	10-12	½	Quarter	
Creative Stitching 1	090051	9-12	1	Semester	
Creative Stitching 2	090071	10-12	1	Semester	
Exploring Childhood	090111	9-12	½	Quarter	
Housing and Home Decor	090311	9-12	½	Quarter	
Human Growth and Development ENR (offered 2021-2022)	090272	10-12	1	Semester	
Human Growth and Development HNR	090273	10-12	1	Semester	*
International Foods (offered 2021-22)	090321	10-12	½	Quarter	
Introduction to Foods	090211	9-10	½	Quarter	
Regional Cooking of the United States	090331	10-12	½	Quarter	
Relationships	090231	11-12	½	Quarter	

### **COOKING BASICS 101**

CRS 090031 Grades 11-12 CR 1/2 Q 1 block

**PREREQUISITE:** No previous foods classes from FCS Department or Restaurant Management Program. Upper-class students, soon you will be on your own. Learn to create and cook appetizing meals while acquiring new skills in the areas of meal preparation, planning and nutrition. While learning fundamental cooking techniques, you will also learn how to create balanced, nutritious meals and explore the science of cooking.

### **COLLABORATIVE CREATIVE FABRICS**

CRS 090121 Grades 10-12 CR 1/2 Q 1 block

**PREREQUISITE:** Application to FCS Department. Special Education students will be selected by the IEP team.

In this course a regular education student will be paired with a special education student to collaborate on creative fabric projects. Each will contribute to the design and production of a variety of fabric projects. Regular education students need permission to take this course. Regular education students need permission to take this course.

### **CREATIVE STITCHING 1**

CRS 090051 Grades 9-12 CR 1 S 1 block

Emphasis in this course is on the fundamental techniques of sewing.

Students learn by constructing garments, holiday decorations and small projects such as stuffed animals, sweats, sport bags, cross stitch, pillows, picture frames and a whole lot more!

### **CREATIVE STITCHING 2**

CRS 090071 Grades 10-12 CR 1 S 1 block

**PREREQUISITE:** Creative Stitching 1 or permission from instructor.

In this course students will expand upon the sewing fundamentals learned in Creative Stitching 1. More advanced quilting and clothing construction techniques will be explored.

### **EXPLORING CHILDHOOD**

CRS 090111 Grades 9-12 CR 1/2 Q 1 block

How children learn and grow is the focus of this course. Students will learn how children develop intellectually, physically, socially, and emotionally. This will be an activity-oriented course with creative projects and hands-on activities that can be used with children.

### **HOUSE AND HOME DECOR**

CRS 090311 Grades 9-12 CR 1/2 Q 1 block

Students in this class will be introduced to many different architectural designs and styles of housing. They will develop their own personal sense of style through the study of color and design. They will also learn to decorate a condo, apartment or home so that it is a reflection of them. **Note: This class will fulfill the fine arts requirement for graduation.**

**HUMAN GROWTH and DEVELOPMENT ENR Note: this course will run in alternating years. It will be offered for the 2021-2022 school year.**

CRS 090272 Grades: 10-12 CR 1 S 1 block

### **HUMAN GROWTH and DEVELOPMENT HNR**

CRS 090273 Grades: 10-12 CR 1 S 1 block

This course surveys and focuses on child growth and development from age preschool through the life cycle. Theories pertinent to individual stages are provided and the sociological, cultural and psychological aspects of child growth and development are included. It includes methods of observation, planning for the teaching preschool and early childhood settings, both typical and atypical and from diverse backgrounds. An overview of all developmental stages will be covered. **Note: This is a dual enrollment course with Southern NH University. Students taking this course at the HONORS LEVEL ONLY will have the option of earning three college credits. There would be a fee associated with this option.**

## **INTERNATIONAL FOODS**

CRS 090321 Grades 10-12 CR ½ Q 1 block

**PREREQUISITE:** Competent in any foods class. In this course, students will expand their culinary horizons by discovering the foods of different countries. Class work will include understanding the effect of history, geography, culture and science on food selections. **Note: this course will run in alternating years. It will be offered for the 2021-2022 school year.**

## **INTRODUCTION TO FOODS**

CRS 090211 Grade 9-10 CR 1/2 Q 1 block

This course focuses on the fundamental cooking techniques. While cooking, you will learn proper measuring skills, knife handling techniques, kitchen safety, sanitation, and basic cooking methods.

## **REGIONAL COOKING OF THE UNITED STATES**

CRS 090331 Grade 10-12 CR 1/2 Q 1 block

**PREREQUISITE:** Competent in any other foods class. In this course, students will expand their culinary horizons by investigating the diverse cooking regions of our own country. A study of food origins and ethnic influences be included.

## **RELATIONSHIPS**

CRS 090231 Grades: 11-12 CR 1/2 Q 1 block

This course includes the study of self-esteem, communication, relationships and other related aspects of adult life. The relationship between personal, family, and social issues will be examined through critical thinking projects. Some topics will be chosen by students.

## Mathematics Department

The goal of the Mathematics Department is to provide a complete, in-depth program of studies that best meets the needs of the individual student. Three levels accomplish this goal: 1) **Standard**, 2) **Enriched** and 3) **Honors**. Refer to the Math Flow Chart to see course sequences.

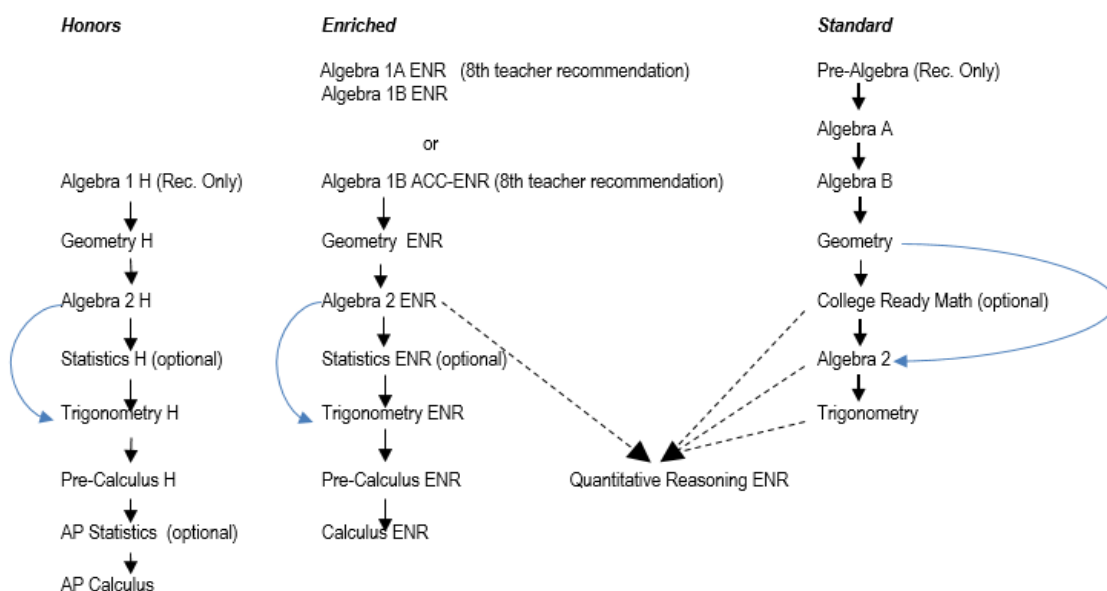
**Standard** math courses are intended for students who desire to attend a two-year technical college or a four-year college in a non-math related field. Eighth graders that have successfully completed 8th grade math but who are not ready for Algebra as ninth graders may be recommended to take Pre-Algebra or Algebra A by their eighth grade math teacher. Students that have completed Algebra A and Algebra B will have covered the concepts in Algebra 1 course.

**Enriched** math courses are intended for students who plan to attend a community college or a university. Eighth graders that have successfully completed 8th grade math or struggled with Grade 8 Algebra are advised to elect Algebra 1A ENR & Algebra 1B ENR as ninth graders. Eighth graders that have completed Algebra 1A ENR may be recommended to take Algebra 1B ACC ENR and Geometry ENR as ninth graders. Final course and level placement is determined by the eighth grade math teacher.

**Honors** math courses are intended for students who plan to attend a college or university and desire to take Advanced Placement Statistics or Advanced Placement Calculus as high school seniors. Eighth graders that have completed Grade 8 Algebra 1A ENR with an A and have a teacher recommendation are advised to elect Algebra 1 HNR & Geometry HNR as ninth graders.

**NOTE:** Although the competencies may be the same for all levels, the manner in which you are assessed and demonstrate knowledge will be differentiated. Students who elect to take this course at higher levels should expect greater rigor, increased pacing and more independent learning experiences. Students will be expected to demonstrate greater depth of understanding and the ability to communicate course content effectively.

**Mathematics Department Flow Chart**



Note: Geometry is the minimum requirement for graduation.

Note: Students are recommended to elect their math courses in sequential semesters to avoid gapping.

Note: Students are encouraged to change levels based on teacher recommendation (dashed arrows). Please see Guidance for the correct form for All Levelchanges

Note: SAT test topics are covered through Algebra 2

	Honors	Enriched Accelerated	Enriched	Standard Options	
Freshman Year	Algebra 1 HNR Geometry HNR	Algebra 1B ACC-ENR Geometry ENR	Algebra 1A ENR Algebra 1B ENR	Algebra A Algebra B	Pre-Algebra Algebra A
Sophomore Year	Algebra 2 HNR Statistics HNR (optional)	Algebra 2 ENR Trigonometry ENR	Geometry ENR Algebra 2 ENR	Geometry Algebra 2	Algebra B Geometry
Junior and Senior Year	Students should elect courses using the flowchart. Please follow all prerequisites and recommendations listed in the course descriptions. All students are required to "engage with and apply mathematics during every year they are enrolled." (Courses that meet this requirement are denoted by a (π) in the 4 <sup>th</sup> math experience column in various department listings)				

Course	CRS#	Grade	Credit	Length	College Credit Opportunity
Algebra A	020041	9-10	1	Semester	
Algebra B	020081	9-10	1	Semester	
Algebra 1A ENR	020071	9	1	Semester	
Algebra 1B ENR	020091	9	1	Semester	
Algebra 1B Accelerated ENR	020092	9	1	Semester	
Algebra 1 HNR	020093	9	1	Semester	
Algebra 2	020151	10-12	1	Semester	
MOWR Algebra 2	0201515	10-12	1	Semester	
Algebra 2 ENR	020152	10-11	1	Semester	
MOWR Algebra 2 ENR	0201525	10-11	1	Semester	
Algebra 2 HNR	020153	10	1	Semester	
MOWR Algebra 2 HNR	0201535	10	1	Semester	
Calculus AP- MOWR	020214	12	1	Semester	*
Calculus ENR- MOWR	020212	11-12	1	Semester	*
College Ready Math	020271	11-12	1	Semester	
Geometry	020111	10-12	1	Semester	
Geometry ENR	020112	9-10	1	Semester	
Geometry HNR	020133	9	1	Semester	
Pre-Algebra	020021	9	1	Semester	
Pre-Calculus ENR	020262	11-12	1	Semester	
MOWR Pre-Calculus ENR	0202625	11-12	1	Semester	
Pre-Calculus HNR	020263	11-12	1	Semester	
MOWR Pre-Calculus HNR	0202635	11-12	1	Semester	
Quantitative Reasoning ENR	020282	12	1	Semester	*
Statistics ENR	020242	10-12	1	Semester	
Statistics HNR	020243	10-11	1	Semester	
Statistics AP	020244	11-12	1	Semester	*
Trigonometry	020171	11-12	1	Semester	
MOWR Trigonometry	0201715	11-12	1	Semester	
Trigonometry ENR	020172	10-12	1	Semester	
MOWR Trigonometry ENR	0201725	10-12	1	Semester	
Trigonometry HNR	020173	11-12	1	Semester	
MOWR Trigonometry HNR	0201735	11-12	1	Semester	

#### \*ALGEBRA A

CRS 020041 Grades: 9-10 CR 1 S 1 block

PREREQUISITE: Pre-Algebra or 8th grade math teacher recommendation. This course expands on the ideas learned in Pre- Algebra and 8<sup>th</sup> grade math. Algebra A topics include: properties of arithmetic, expressions, ratios and proportions, linear equations and inequalities, graphs and lines, systems of linear equations and inequalities, and an introduction to functions. **Note: Students are recommended for Algebra A and B by their eighth grade math teacher. Students that successfully complete Algebra A and B will have covered the concepts of Algebra 1.**

#### \*ALGEBRA B

CRS 020081 Grades: 9-10 CR 1 S 1 block

PREREQUISITE: Algebra A or recommendation of the Algebra 1A ENR teacher. This course expands on the ideas learned in Algebra A. Algebra B topics include: non-linear equations, exponents and radicals, polynomials and quadratics, data analysis, statistics, and probability. **Note: Students are recommended for Algebra A and B by their eighth grade math teacher. Students that successfully complete Algebra A and B will have covered the concepts of Algebra 1.**

#### \* ALGEBRA 1A ENR

CRS 020071 Grades 9-10 CR 1 S 1 block

PREREQUISITE: 8th grade math teacher recommendation

This course is a rigorous study of topics that include: properties of arithmetic, expressions, ratios and proportions, linear equations and inequalities, graphs and lines, systems of linear equations and inequalities, and introduction to functions. **Note: Students are recommended for Algebra 1A ENR and 1B ENR by their eighth grade math teacher. Students that successfully complete Algebra 1A ENR and 1B ENR will have covered the concepts of Algebra 1.**

#### \*ALGEBRA 1B ENR

CRS 020091 Grades 9 CR 1 S 1 block

PREREQUISITE: Algebra 1A ENR

This course is a rigorous study of topics that expand on the ideas learned in Algebra 1A ENR. New topics include: non-linear, rational functions and equations, exponents, radicals, polynomials and quadratics, data analysis, statistics, and probability. **Note: Students are recommended for Algebra 1A ENR and 1B ENR by their eighth grade math teacher. Students that successfully complete Algebra 1A ENR and 1B ENR will have covered the concepts of Algebra 1.**

**\* ALGEBRA 1B ACCELERATED ENR (Fall semester course)**

CRS 020092 Grades 9 CR 1 S 1 block

PREREQUISITE: recommendation of the 8th grade math teacher.

This course is a rigorous study of topics that expand on the ideas learned in 8<sup>th</sup> grade Algebra. New topics include: using Algebra to describe patterns of change, powers and roots, quadratic equations and functions, radical equations, rational equations, linear systems, polynomials, and using Algebra to prove. **Note: Students are recommended for Algebra 1B ACCELERATED-ENR and Geometry ENR by their eighth grade math teacher after successful completion of 8th Grade Algebra. Both courses should be elected in the freshman year.**

**\* ALGEBRA 1 HNR (Fall semester course)**

CRS 020093 Grade 9 CR 1 S 1 block

PREREQUISITE: 8th grade math teacher recommendation

This course is a rigorous, fast paced study of topics that expand on the ideas of 8<sup>th</sup> grade Algebra. New topics include: using Algebra to describe patterns of change, powers and roots, quadratic equations and functions, radical equations, rational equations and functions, linear systems, polynomials, and using Algebra to prove.

**Note: ALGEBRA 1 H Cont. Students are recommended for Algebra Honors and Geometry Honors by their eighth grade math teacher after successful completion of 8<sup>th</sup> grade Algebra. Both courses should be elected in the freshman year.**

**\* ALGEBRA 2**

CRS 020151 Grade 10-12 CR 1 S 1 block

**\*MOWR ALGEBRA 2**

CRS 0201515 Grade 10-12 CR 1 S 1 block

PREREQUISITE: Geometry, please follow Algebra B or Algebra 1B ENR teacher recommendation. Final grade of at least a Beyond Competent in Algebra B is recommended. This course covers topics that include: properties of arithmetic, algebra and complex numbers while studying linear, quadratic, polynomial, absolute value, and exponential functions. Students will learn techniques to solve linear/nonlinear equations, inequalities and systems.

**\* ALGEBRA 2 ENR**

CRS 020152 Grades 10-12 CR 1 S 1 block

**\*MOWR ALGEBRA 2 ENR**

CRS 0201525 Grade 10-12 CR 1 S 1 block

PREREQUISITE: Geometry ENR. Final grade of 'Beyond Competent' in Algebra 1B ENR are HIGHLY recommended for success at this level. Students who utilize credit recovery for Algebra or Geometry are not advised to take ENR. This course is a rigorous study of topics that include: properties of arithmetic, algebra, radicals, exponents, matrices, and complex numbers while studying linear, quadratic, polynomial, absolute value, logarithmic, and exponential functions. Students will learn techniques to solve linear/nonlinear equations, inequalities and systems.

**\* ALGEBRA 2 HNR (Fall semester course)**

CRS 020153 Grades: 10 CR 1 S 1 block

**\*MOWR ALGEBRA 2 HNR (Fall semester course)**

CRS 0201535 Grade 10 CR 1 S 1 block

PREREQUISITE: Geometry Honors, students will be recommended by their Algebra 1H and Geometry H teacher.

This is a rigorous course, taught at an accelerated pace. Topics in this course will include: functions, variation and graphs, linear functions and sequences, matrices, systems, quadratic functions, powers, inverses and radicals, exponential and logarithmic functions, polynomials, quadratic relations, conics, and series. Note: Algebra 2 Honors is the prerequisite for Trigonometry Honors.

**CALCULUS AP - MOWR**

CRS 020214 Grades 12 CR 1 S 1 block

PREREQUISITE: Trigonometry H and Pre-Calculus H

Advanced Placement Calculus is a nationally standardized course. Spaulding High School strictly adheres to the College Board AP Calculus AB syllabus. The AP Calculus AB exam is taken in May (a fee is required for the exam). Topics include: analysis of graphs, limits of functions, asymptotic and unbounded behavior, continuity as a property of functions, concept of the derivative, derivative at a point, derivative as a function, second derivatives, applications of derivatives, computation of derivatives, interpretations and properties of definite integrals, applications of integrals, fundamental theorem of calculus, techniques of anti-differentiation, applications of anti-differentiation, and numerical approximations to definite integrals. The Calculus is approached from numerical, graphical and symbolic points of view. **Dual enrollment option available through Southern New Hampshire University. There may be a fee associated with this option.**

**CALCULUS ENR - MOWR**

CRS 020212 Grades 11- 12 CR 1 S 1 block

PREREQUISITE: Pre-Calculus ENR and Trigonometry ENR

This course is an introduction to calculus. Topics covered include the concept of a limit, computing limits, the derivative, applications of the derivative, the integral, and applications of the integral. **Dual enrollment option available through Southern New Hampshire University. There may be a fee associated with this option.**

**COLLEGE READY MATH**

CRS 020271 Grade 11 - 12 CR 1 S 1 block

PREREQUISITE: Eligibility is based on a C in Algebra B with multiple reassessments and recommendation from the teacher.

This is a survey course, focusing primarily on the algebra skills needed to enter the workforce or community colleges. Students will develop facility in simplifying and evaluating polynomial and rational expressions, as well as solve linear equations and inequalities, quadratic equations and systems of linear equations. Emphasis will be placed on applying these skills in solving real world problems. This course is geared to supporting student success on the Accuplacer, a commonly accepted math placement test for a variety of colleges. Students enrolled in College Ready Math can take an Accuplacer post-test, with the ideal goal of attaining a successful Accuplacer score. Students with a successful post-test score can place in on-level math courses at the university level, avoiding costly remediation.

**\* GEOMETRY**

CRS 020111 Grades 10-12 CR 1 S 1 block

PREREQUISITE: Grade of Competent in Algebra 1B ENR or Algebra B.

This course covers topics that include: points, lines, planes, polygons, circles, logic, angles, congruence, similarity, transformations, basic concepts of proof, Pythagorean Theorem, area, surface area, and volume.

**\*GEOMETRY ENR**

CRS 020112 Grades 9-10 CR 1 S 1 block

PREREQUISITE: Recommendation Algebra 1B ENR, Algebra 1B Accelerated-ENR or Algebra 1H teacher.

This course is a rigorous study of topics that include: points, lines, planes, polygons, circles, logic, angles, congruence, similarity, transformations, concepts of proof, Pythagorean Theorem, area, surface area, and volume. Students who utilize credit recovery for Algebra are not advised to take ENR.

**\* GEOMETRY HNR (Spring semester course)**

CRS 020133 Grade 9 CR 1 S 1 block

PREREQUISITE: Recommendation of 8th grade math teacher or Algebra 1B ACCELERATED-ENR teacher.

This is a rigorous course, taught at an accelerated pace. Topics in this course will include: angles and lines, congruence and transformations, proofs using congruence, Pythagorean Theorem, polygons and symmetry, and applications of congruent triangles, lengths and areas, three dimensional figures, formulas for volume, indirect and coordinate proofs, similarity, similar triangles and trigonometry, and further work with circles. **Note: Students are recommended for Algebra 1 HNR and Geometry HNR by their eighth grade math teacher after successful completion of Algebra 1A ENR. Both courses should be elected in the freshman year.**

**PRE-ALGEBRA**

CRS 020021 Grade: 9 CR 1 S 1 block

PREREQUISITE: Recommendation of 8th grade math teacher

Pre- Algebra topics include: number sense, operations with real numbers, and other skills needed for algebraic readiness, introduction to expressions, equations, coordinate graphing. **Note: Placement is restricted to 9th graders recommended by their 8th grade teacher. Students recommended for Pre- Algebra should also take Algebra A in their freshman year. 9th grade students may be recommended by their Algebra 1A ENR teacher to improve basic math skills.**

**\*PRE-CALCULUS ENR**

CRS 020262 Grades 11-12 CR 1 S 1 block

**\*MOWR PRE-CALCULUS ENR**

CRS 0202625 Grades 11-12 CR 1 S 1 block

PREREQUISITE: Trigonometry ENR or recommendation of the Trigonometry teacher.

This course stresses a functions approach and the use of graphing calculators. Topics include: the graphs and transformations of polynomial functions, theory of equations, analysis of elementary functions, exponential functions, logarithmic functions, conic sections, probability and combinatorics, matrices, and sequence and series. This course completes the foundation for the study of Calculus. **Note: Upon completion of this course, students are prepared to take the SAT Subject Test level II-C.**

**\*PRE-CALCULUS HNR (Spring semester course)**

CRS 020263 Grade 11-12 CR 1 S 1 block

**\*MOWR PRE-CALCULUS HNR (Spring semester course)**

CRS 0202635 Grades 11-12 CR 1 S 1 block

PREREQUISITE: Trigonometry Honors or recommendation of the Trigonometry ENR teacher. This is a rigorous course, taught at an accelerated pace. This course stresses a functions approach and the use of graphing calculators. Topics in this course will include: the graphs and transformations of polynomial functions, analysis of elementary functions, exponential functions, conic sections, probability, combinatorics, sequence and series, matrices and vectors. This course provides a foundation for the study of Calculus. **Note: Upon completion of this course, students are prepared to take the SAT Subject Test level II-C.**

**\*QUANTITATIVE REASONING ENR**

CRS 020282 Grade 12 CR 1 S 1 block

PREREQUISITE: Eligibility is based on SAT scores or in some cases an Accuplacer test score.

Quantitative Reasoning has been developed as the common threshold math course within the Community College System of NH. Quantitative Reasoning focuses on the computational skills and mathematical topics that a college-educated citizen should possess. The topic areas include: Number Theory & Systems, Algebra, Finance, Geometry, and Probability & Statistics. Again, there is a strong emphasis on the Habits of Mind critical thinking skills and the use of applied problem solving; the goal is to teach both a discipline that provides an approach to problem solving, and to relate the use of that discipline to solve real life mathematical problems. **Note: Students taking this course will have the option of earning 4 college credits through Great Bay Community College. There may be a fee associated with this option.** Successful completion of **Quantitative Reasoning** will result in earning three credits in college-level mathematics. These credits are accepted at all of the Community Colleges in NH and transferable to a growing number of both two and four year colleges (please check with the Registrar at the college of your choice).

**\*STATISTICS AP**

CRS 020244 Grade 11-12 CR 1 S 1 block

PREREQUISITE: Statistics H

Advanced Placement Statistics is a nationally standardized course. Spaulding High School strictly adheres to the College Board AP Statistics syllabus. The AP Statistics exam is taken in May (a fee is required for the exam). This course covers topics that include: hypothesis testing and confidence intervals, inferences about means and inferences for regression.

**\*STATISTICS ENR**

CRS 020242 Grade 10-12 CR 1 S 1 block

PREREQUISITE: Algebra 2 ENR

This is a rigorous course which covers topics that include: exploring and understanding data, relationships between variables, gathering data, randomness and probability.

**\*STATISTICS HNR**

CRS 020243 Grade 10-11 CR 1 S 1 block

PREREQUISITE: Algebra 2 HNR

This is a rigorous course, taught at an accelerated pace. This course covers topics that include: exploring and understanding data, relationships between variables, gathering data, randomness and probability. This course prepares students for the AP Statistics Honors course and potentially the AP Statistics exam.

**\*TRIGONOMETRY**

CRS 020171 Grades 11-12 CR 1 S 1 block

**\*MOWR TRIGONOMETRY**

CRS 0201715 Grades 11-12 CR 1 S 1 block

PREREQUISITE: Algebra 2 Final grade of "Competent" in Algebra 2 ENR or Algebra 2 is recommended for success at this level.

This course is an informal approach to Trigonometry with emphasis on application. Topics include: definition of trig functions, applications with right and oblique triangles, rectangular graphs, identities, inverse functions, trig equations, and complex numbers. Note: Trigonometry does not prepare students for Calculus. Students intending to elect Calculus ENR are urged to elect Trigonometry ENR and Pre-Calculus ENR.

**\*TRIGONOMETRY ENR**

CRS 020172 Grade 10-12 CR 1 S 1 block

**\*MOWR TRIGONOMETRY ENR**

CRS 0201725 Grade 10-12 CR 1 S 1 block

PREREQUISITE: Algebra 2 ENR. Final grade of 'Beyond Competent' in Algebra 2 ENR is recommended for success at this level. This is a rigorous course which stresses a functions approach and the use of graphing calculators. Trigonometric topics include: definitions, identities, equations, graphs, applications, inverse functions, functions of several angles, law of sines, law of cosines, vectors, trig form of complex numbers and DeMoivre's Theorem. Students who utilize credit recovery for Algebra 2 are not advised to take ENR. **Note: Students planning on a math-related career or who plan on taking Calculus in college are urged to elect both Trigonometry ENR and Pre-Calculus ENR. Students planning to elect Calculus ENR as a senior must elect this class in their junior year.**

**\*TRIGONOMETRY HNR (Fall semester course)**

CRS 020173 Grade 11-12 CR 1 S 1 block

**\*MOWR TRIGONOMETRY HNR (Fall semester course)**

CRS 0201735 Grade 11-12 CR 1 S 1 block

PREREQUISITE: Algebra 2 HNR and teacher recommendation

This is a rigorous course, taught at an accelerated pace. This course stresses a functions approach and the use of graphing calculators. Topics include: definitions, identities, equations, graphs, applications, inverse functions, functions of several angles (sums, differences, double and half angle formulas) law of sines, and law of cosines. Additional topics include trig form of complex numbers, DeMoivre's Theorem and vectors. **Students planning to elect Calculus AP as a senior must elect Trigonometry Honors and Pre-Calculus Honors in their junior year.**

**4<sup>TH</sup> MATH EXPERIENCE**

Students will be required to attain competency in mathematics for each year in which he or she is in high school through graduation to ensure career and college readiness. A pupil may meet this requirement either by satisfactorily completing a minimum of 4 courses in mathematics or by satisfactorily completing a minimum of 3 mathematics courses and one non-mathematics content area course in which mathematics knowledge and skills are embedded and applied, as may be approved by the school board. Classes with a  $\pi$  symbol also denote a course that meets the 4<sup>th</sup> math experience criteria.

Courses that meet the 4<sup>th</sup> Math Experience are listed below:

Air Force Junior ROTC Aviation Ground School and Science of Flight	CTE Banking & Financial Services/Support 1 & 2
Chemistry- all levels, including Chemistry Matters	CTE Computer Technology 1 & 2
Commercial Design	CTE Digital Photography & Video Production Technology 1 & 2
Personal Finance	CTE Environmental Science & Sustainable Studies 1 & 2
Physics- all levels, including Energy in Motion	CTE Graphic Design/Print Technology 1 & 2
Physical Science- all levels	CTE Health Science Technology 1 & 2
CTE Advanced Manufacturing/Millwork 1 & 2	CTE Heating, Ventilation, Air Conditioning, and Refrigeration 1 & 2
CTE Accounting 1 & 2	CTE Marketing
CTE Architectural/Mechanical Engineering 1 & 2	CTE Precision Machining 1 & 2
CTE Automotive Service Technology 1 & 2	CTE Restaurant Management 1 & 2



## Music and Performing Arts

The Music/Fine Arts Department at Spaulding High School exists for the benefit of students who seek an outlet in Music/Fine Arts, be it through performance or academic studies. Music teachers serve as resources through which students gain musical knowledge, aesthetic experiences and personal growth. The following four goals are pursued by the Music Department:

1. To further the development of musical talent in those students who have inherent musical abilities.
2. To increase the cultural awareness of students and their audiences.
3. To provide students with the social advantages of learning teamwork in vocal and instrumental ensembles.
4. To provide a bridge between the public school and the community through frequent public performances.

These goals are accomplished through band and choral performances and through study of the rudiments of music through theory, history and appreciation courses.

**Any Music/Fine Arts course will fulfill the State of New Hampshire graduation requirement for 1/2 credit in fine arts.**

Course	CRS#	Grade	Credit	Length
African Percussion & Drumming Ensemble	110161	9-12	1/2	Quarter
American Popular Music	110331	9-12	1/2	Quarter
Band	110011	9-12	1	Year mini
Chorus	110031	9-12	1	Year mini
Dance	110051	9-12	1/2	Quarter
Guitar	110321	9-12	1/2	Quarter
Hand Bells 1	110311	9-12	1/2	Quarter
Hand Bells 2	110091	9-12	1/2	Quarter
Introduction to Audio Recording Technology	110361	9-12	1/2	Quarter
LOL: Live out Loud	110281	9-12	1/2	Quarter
Music Theory ENR	110152	9-12	1/2	Quarter
Piano Lab	110351	9-12	1/2	Quarter
Theatre 1	110211	9-12	1/2	Quarter
Theatre 2 (offered 2022-2023)	110231	10-12	1/2	Quarter
Video Production 1	110371	9-12	1/2	Quarter
Video Production 2	110381	9-12	1/2	Quarter
Voice Lab 1	110251	10-12	1/2	Quarter
Voice Lab 2 (offered 2022-2023)	110271	10-12	1/2	Quarter

### **AFRICAN PERCUSSION & DRUMMING ENSEMBLE**

CRS 110161 Grade 9-12 CR 1/2 Q 1 block

Through daily hands-on instruction, students will learn to play authentic African drums and percussion instruments. The goal of the class will be to rehearse and perform a number of actual African dance rhythms as well as African inspired ensemble pieces for presentation at a small performance at the end of the quarter. While preparing for the performance, students will learn a little about African culture and music as well as the historical, religious and cultural importance of the drum in those societies. Use of, and instruction on melodic percussion instruments, will be based on the skill level of class participants. No prior musical performance experience is necessary. Knowledge of how to read traditional rhythmic and/or melodic notation would be very helpful, but not required. A strong work ethic and a willingness to learn in a unique environment is a must! **Note: This class will fulfill the fine arts requirement for graduation.**

### **AMERICAN POPULAR MUSIC**

CRS 110331 Grades 9-12 CR 1/2 Q 1 block

In this course we will examine the origins of present day American popular musical styles in light of the many other popular genres that have come before. Genres studied may include: late 19th century popular music such as the Minstrel Show, Parlor Songs, Ragtime and Marches; 20th Century Folk Music; Blues; Jazz; Country /Western; Rock n' Roll; 60's Rock; 70's-80's Rock; Hip-Hop and Rap, and more. (As time is limited, student choice will help to determine the exact topic areas studied each quarter.) Students will be encouraged to develop, and use on a regular basis, both active and critical listening skills to analyze the music that they are hearing. No prior musical experience is necessary, but some basic background may be helpful. A mind open to experiencing new, different, and sometimes unusual genres of popular music is a must! **Note: This class will fulfill the fine arts requirement for graduation.**

### **BAND**

CRS 110011 Grades 9-12 CR 1 Y mini block

PREREQUISITE: Prior Band Experience and Teacher recommendation

The Spaulding High School Band performs at school football games, athletic events, various holiday parades, and other local and out of state functions. The concert band, marching band, jazz band, and other small pep bands perform an average of 40 performances each year. Past performances have taken place at the Statue of Liberty, at Disney World and Disney Land, at Shea Stadium for the New York Mets, at the NMS Nascar Races, Cleveland Rock and Roll Hall of Fame and for Presidents Bill Clinton, George H.W. Bush, Barack Obama and Donald Trump. In January 2005, the band performed at George W. Bush's Inauguration in Washington, D.C. **Honors and Enriched credit is available with a contract and permission from the director. Note: This class will fulfill the fine arts requirement for graduation.**

### **CHORUS**

CRS 110031 Grades 9-12 CR 1 Y mini block

PREREQUISITE: Prior Chorus Experience and Teacher recommendation

This ensemble sings a wide variety of challenging choral music from the popular, classical, musical theater, multicultural, and jazz repertoire. This is a performance based class in which the students are required to attend multiple concerts to receive credit. In addition to performing, students will be asked to demonstrate their music literacy skills through written and aural exams. Appropriate concert dress will be required for performance. **Honors and Enriched credit is available with a contract and permission from the director. Note: This class will fulfill the fine arts requirement for graduation.**

## DANCE

CRS 110051 Grade 9-12 CR 1/2 Q 1 block

This course offers students the opportunity to explore all aspects of dance. Students will learn how to master the basic techniques of a variety of dance styles such as jazz, swing, modern and many other popular dance styles. Students will also study the history and role of dance in society. Daily dance classes will focus on learning choreographed dance routines from a variety of decades. Students will be expected to participate fully and dance daily as part of the course grades and requirements. Prior dance experience is not necessary but is helpful. **Note: This class will fulfill the fine arts requirement for graduation.**

## GUITAR

CRS 110321 Grade: 9-12 CR 1/2 Q 1 block

PREREQUISITE: Must have a working acoustic or electric guitar.

This will be a collaborative performing classroom experience where students will learn to read music notation. All students will learn to play notes and rhythms and will also look at tablature and music that each student is studying. A working guitar is essential to the success of the student and a willingness to become proficient at reading music notation. Students at various playing abilities will work together to perform for each other and learn from each other as well as playing songs that are notated on the staff. A basic desire to share your talent and listen to other players is important in this class of guitar playing. **Note: This class will fulfill the fine arts requirement for graduation.**

## HANDBELLS 1

CRS 110311 Grade: 9-12 CR 1/2 Q 1 block

This course offers students the opportunity to learn to read music more efficiently through the study of playing handbells. Handbells are pitched instruments which are rung in conjunction with music written for this type of musical ensemble. No experience is required but a serious desire to practice reading music and performing within a group of 12 students is necessary to be successful in this class. Reading music in this class will assist students in playing other instruments for their own personal enjoyment at home such as keyboards and guitars. **Note: This class will fulfill the fine arts requirement for graduation.**

## HANDBELLS 2

CRS 110091 Grade: 9-12 CR 1/2 Q 1 block

PREREQUISITE: Permission of the instructor and the successful completion of Handbells 1.

This class will be a continuation of Handbells 1 with advanced level handbell techniques, advanced and challenging handbell music and a commitment to more frequent performance opportunities. Handbells 2 will be an exciting and collaborative class. **Note: This class will fulfill the fine arts requirement for graduation.**

## INTRODUCTION TO AUDIO RECORDING TECHNOLOGY

CRS 110361 Grade 9-12 CR 1/2 Q 1 block

Students will discover, through hands-on experience, how to use microphones, mixers, amplifiers, digital audio workstations and other professional-level equipment to capture, manipulate, monitor, and distribute sound while creating real-world audio projects such as podcasts, live sound reinforcement setups, editing music mixes and more! Whether you're looking for a new hobby, exploring a potential career opportunity in the entertainment industry, or are simply interested in learning more about the process behind how your favorite music and audio productions are made, this class will be a fun way to build a practical set of 21<sup>st</sup> century technology skills. **Note: This class will fulfill the fine arts requirement for graduation.**

## LOL: LIVE OUT LOUD

CRS 110281 Grades 9-12 CR 1/2 Q 1 block

This course is open to all students who will explore the **Seven Habits of Highly Effective Teenagers** book written by Sean Covey. Habits such as: Be Proactive, Begin with the end in mind, Put first things first, Think win-win, Seek first to understand and then to be understood, synergy, and Renew your energy. It is a wonderful exploratory class where students will learn a great deal about themselves and how to be successful using 21<sup>st</sup> century skills in and out of the classroom. It is a great opportunity to get organized for post-secondary life at college, in the workplace or in the military.

## MUSIC THEORY ENR

CRS 110152 Grades 9-12 CR 1/2 Q 1 block

PREREQUISITE: Permission of the instructor.

This course is designed for the student who already reads music very well in either the treble or bass clef. Students who read tabs on guitar, can also take Music Theory ENR. Students who participate in band or chorus and read notation quickly and easily should sign up for Music Theory ENR. Music Theory ENR will provide an excellent foundation for students who are seriously thinking of becoming better musicians and/or are thinking of pursuing a career in the field of music. **Note: This class will fulfill the fine arts requirement for graduation.**

## PIANO LAB

CRS 110351 Grades 9-12 CR 1/2 1Q 1 block

Piano Lab will provide an opportunity for students to start or to continue learning how to play the piano. Students will receive training in piano technique, music reading/literacy, basic music theory, and apply their growing knowledge and skills to playing pieces and songs ranging from classical to popular within the level of performance. Musical skills are taught on digital pianos and students learn at their pace. Students will learn and perform individual pieces for each other during class as well as learn and perform group pieces with other students. Major topics include Music Literacy and reading notation. Students will learn and practice the basics of music reading and develop aural recognition of tonal relationships as they apply musically. Music theory and analysis will be a part of the piano lab class. Students will study the structure of major and minor scales, the circle of 5ths, triads, and arpeggios. Students will learn proper piano technique and fingerings and utilize expression in their piano performance. All students are welcome in piano lab regardless of previous experience playing the piano. Practice will be required outside of the class and a piano or digital keyboard will be helpful at home. **Note: This class will fulfill the fine arts requirement for graduation.**

## THEATRE 1

CRS 110211 Grade 9-12 CR 1/2 Q 1 block

This course is designed for students interested in the field of theater. Students will learn about all aspects of theater including acting, speaking, music, choreography, set design, technical effects, lighting, make-up, costuming, auditions, directing, staging and blocking. Students will explore improvisation, building a character, preparing monologues and stage movement through individual and group projects. Prior experience in the theater is not necessary to participate in this class. **Note: This class will fulfill the fine arts requirement for graduation.**

## **THEATRE 2** (offered 2022-2023)

CRS 110231 Grade 10-12 CR 1/2 Q 1 block

PREREQUISITE: Permission of instructor and Theatre 1.

This course is designed for students interested in the field of theatre who have a strong desire to work on advanced level plays, comedies, improvisation and challenging theatrical projects. Students will prepare monologues, audition materials for college majors, technical plot books, set and costume designs and musical scores. Serious students are welcome to prepare for possible career majors in the field of theatre. **Note: This class will fulfill the fine arts requirement for graduation. It will be offered for the 2022-2023 school year.**

## **VIDEO PRODUCTION 1**

CRS 110371 Grade 9-12 CR 1/2 Q 1 block

In this introductory level course students will be exposed to the world of television and media production through a series of hands-on projects that, at the discretion of the instructor, may be broadcast on RTV (Metrocast Channel 25) or distributed through YouTube or other media outlets. Topics will include a brief history of broadcast television; the basic parts of a video camera and their functions; the essential rules of camera framing, screen dynamics, and camera movement; and the concepts involved in basic non-linear editing and digital delivery. This class may require some after school and evening participation for certain projects. **Note: This class will fulfill the fine arts requirement for graduation.**

## **VIDEO PRODUCTION 2**

CRS 110381 Grade 9-12 CR 1/2 Q 1 block

PREREQUISITE: Video Production 1 previously Television Production 1.

This course expands upon information learned in Video Production 1 (prev.TV Production 1) and will immerse students in a number of in-depth projects. Students will continue to develop skills in pre-production planning, camera use, screen dynamics, and non-linear editing with additional units on lighting, audio for video, alternate methods of production, and extended post-production techniques being explored as time allows. All this will be accomplished while working on authentic productions for Spaulding High School and the Rochester School District. As with Video Production 1 (prev.TV Production 1), completed productions will be broadcast on RTV (Metrocast Channel 25) or distributed through YouTube or other media outlets. Please be aware that this class may require after school and evening participation.

**Note: This class will fulfill the fine arts requirement for graduation.**

## **VOICE LAB 1**

CRS 110251 Grade 10-12 CR 1/2 Q 1 block

Students who enroll in this course must have a serious desire to learn how to sing in a healthy manner, read music, and perform a variety of solo choral literature. Students need to be self-motivated and able to demonstrate their music literacy skills through written and aural exams. This class is **performance based** where students will sing and be critiqued by their peers. Students will have the opportunity to prepare for college auditions and NH All State audition material as well as working on repertoire for private vocal lessons. **Note: This class will fulfill the fine arts requirement for graduation.**

## **VOICE LAB 2** (offered 2022-2023)

CRS 110271 Grade 10-12 CR 1/2 Q 1 block

PREREQUISITE: Permission of instructor and successful completion of Voice Lab 1.

Students who enroll in this course will continue their study of the voice using advanced level repertoire. Students must be self-motivated and have shown competency in VOICE LAB 1 in demonstrating their music literacy skills. This class is **performance based** where students will sing and be critiqued by their peers.

**Note: This class will fulfill the fine arts requirement for graduation. It will be offered for the 2022-2023 school year.**



## Physical Education / Health Education

Physical Education and Health play an important role in Spaulding High School's efforts to improve the health and fitness of its students. It is a challenging academic and participation class that requires dedication, commitment and effort. Students selecting an elective block will be expected to take on new challenges and participate to the best of their ability. Students should make course selections that meet their needs, interests, and abilities. **1 credit of physical education is a State of New Hampshire requirement for graduation. NOTE: Fundamental PE is a prerequisite of all PE courses and is recommended during grades 9-10.**

Course	CRS#	Grade	Credit	Length
Advanced Conditioning	120051	10-12	1/2	Quarter
Athletic Performance	120331	10-12	1/2	Quarter
Coaching/Officiating	120291	10-12	1/2	Quarter
Collaborative/Unified PE	120301	9-12	1/2	Quarter
Exploratory Climbing & Belaying	120341	10-12	1/2	Quarter
Fundamental Physical Education	120011	9-12	1/2	Quarter
Health	090151	9-12	1/2	Quarter
HIIT: High Intensity Interval Training	120451	10-12	1/2	Quarter
Individual and Dual Games Outdoor	120211	10-12	1/2	Quarter
Personal Fitness	120111	10-12	1/2	Quarter
Lifting 101	120361	10-12	1/2	Quarter
Sports Medicine (offered 22-23)	120131	11-12	1/2	Quarter
Team Games for Beginners	120351	9-10	1/2	Quarter
Team Games Indoor	120151	11-12	1/2	Quarter
Team Games Outdoor	120321	11-12	1/2	Quarter
Walk Your Way to Fitness	120171	9-12	1/2	Quarter
Women's Health	090251	11-12	1/2	Quarter

### ADVANCED CONDITIONING

CRS 120051 Grade 10-12 CR 1/2 Q 1 block

PREREQUISITE: Fundamental PE

This course includes a weight training component (3 times/week) in combination with an aerobic/anaerobic activity (2 times per week). Students will pick up where Fundamental Physical Education left off and delve into more in-depth theories involved in designing an individualized program. Students in this course will exercise strenuously to improve their personal fitness. **Note: The ½ credit earned in this course can be applied to the 1 credit required for graduation.**

### ATHLETIC PERFORMANCE

CRS 120331 Grades 10-12 CR ½ Q 1 block

PREREQUISITE: Fundamental PE

This course is geared toward individuals who are looking to focus on core strengthening. Balance, agility, coordination, and some total body strength training exercises will be used to train individuals. Students will be expected to participate at their highest level. This is the next step for students who have engaged in advance conditioning but it is not a prerequisite for this course. **Note: The ½ credit earned in this course can be applied to the 1 credit required for graduation.**

### COACHING/OFFICIATING

CRS120291 Grade 10-12 CR ½ Q 1 block

PREREQUISITE: Fundamental PE

Topics covered will range from scheduling to psychological aspects of injuries. How coaches work with athletes, supervisors, parents and officials. The importance of knowing the rules and how to help work within the rules to maximize your team's advantage. Finally students will need to put together practice routines from preseason to postseason. Video will be used to discuss bad calls, make up calls, and close calls. Note - The 1/2 credit earned in this course can be applied to the 1 credit required for graduation.

### COLLABORATIVE/UNIFIED PE

CRS 120301 Grades 9-12 CR ½ Q 1 block

PREREQUISITE: Fundamental PE Special Education students will be selected by their IEP team.

This class provides an excellent opportunity for students to participate in physical activity together. In this course a regular education student will be paired with a special education student to collaborate on physical activities. Activities included will be Fitness, Weight Room, Sports and Climbing related. Students will work together on improving skill levels within each activity. **Note - The ½ credit earned in this course can be applied to the 1 credit required for graduation.**

### EXPLORATORY CLIMBING AND BELAYING

CRS 120341 Grade 10-12 CR ½ Q 1 block

PREREQUISITE: Fundamental PE

Exploratory climbing and belaying is designed for students to push themselves beyond preconceived limits in order to develop self-confidence. Icebreakers, team building, problem solving, and trust activities will be emphasized within this course. Much additional time will be dedicated toward goal setting, developing climbing & belaying techniques, safety management, and mastering low and high elements. Students will be expected to engage in discussion in order to promote leadership development as well as participate in the act of climbing and belaying on a daily basis in order to fulfill course requirements. After taking this class, students will be prepared to participate within indoor climbing at offsite locations. **Note: The ½ credit earned in this course can be applied to the 1 credit required for graduation.**

## FUNDAMENTAL PHYSICAL EDUCATION

CRS 120011 Grade 9-12 CR ½ Q 1 block

Fundamental Physical Education is an entry level course with emphasis in two areas. Students will spend half of the class learning and applying fitness essentials while the other half is spent participating in an adventure and sports based curriculum. Physical Fitness is an important element in promoting a lifetime of wellness. Students will focus on muscular strength, muscular endurance, flexibility and cardiovascular endurance. In the adventure and sports curriculum, students will be introduced to a sequentially based program that promotes team building and problem solving. Students will learn to trust, cooperate, and to take risks in a supportive and challenging environment. **Note: Required for graduation and all other PE courses.**

## HEALTH

CRS 090151 Grade: 9-12 CR ½ Q 1 block

Instructional content and learning activities in this course will enable students to initiate a self-evaluation of their own health knowledge, attitudes and behaviors. Topics covered in this course will include wellness, lifestyle choices, drug and alcohol abuse, sexually transmitted diseases, nutrition, stress, mental health, and prevention and care of diseases. **Note: This class will fulfill the health requirement for graduation.**

## HIIT: HIGH INTENSITY INTERVAL TRAINING

CRS 120451 Grade 10-12 CR ½ Q 1 block

Students in this class will take up where Walk Your Way to Fitness left off. Outdoor body weight training will make up the majority of class time. This course focuses on quick high intensity exercises followed by short rest periods to help build your metabolism, keep your heart rate up and burn more fat. Classes will consist of all body workouts through many variations of training. You will challenge your body and mind to create stronger and leaner muscles. Students should be prepared to work hard and want to see muscular improvements **Note: The ½ credit earned in this course can be applied to the 1 credit required for graduation.**

## INDIVIDUAL AND DUAL GAMES OUTDOOR

CRS 120211 Grade 10-12 CR ½ Q 1 block

PREREQUISITE: Fundamental PE

Students will explore a variety of lifetime sports and activities that are primarily played in an indoor setting. Most classes will take place indoors, however some lessons and sports we participate in require traveling outside. Students will focus on introduction, skill development, game strategy and game etiquette in activities including, but not limited to, golf, disc golf, tennis, fishing and horseshoes. Students will gain a progressive understanding of each sport, enabling them to continue an active lifestyle in an activity of their choosing. **Note: The ½ credit earned in this course can be applied to the 1 credit required for graduation.**

## PERSONAL FITNESS

CRS 120111 Grades 10-12 CR ½ Q 1 Block

PREREQUISITE: Fundamental PE

Personal Fitness is designed to take the student through a comprehensive fitness unit. Students will learn how to maintain a healthy lifestyle by participating in daily workouts focused around the five health related fitness components: cardiovascular endurance, muscular strength & endurance, flexibility, and body composition. Students will cover a variety of topics to assist the student in their quest for lifetime wellness. Students will learn how to analyze body composition, how to properly warm-up and cool down appropriately, the relationship between diet, exercise, and weight control, good nutritional practices, the effects of stress on health, and how to develop a personal fitness plan involving weight training and cardiovascular training. Students will also have the opportunity to participate in lifetime leisure activities in which students engage in a number of recreational games, on occasion. In doing so, students learn a wide variety of activities that promote living a healthy lifestyle and maintaining an optimal level of physical fitness. This class will allow the student to gain access to the weight room and cardio room daily, in addition to the track, pines, and athletic fields. **Note: The ½ credit earned in this course can be applied to the 1 credit required for graduation.**

## LIFTING 101

CRS 120361 Grades 10-12 CR ½ Q 1 block

PREREQUISITE: Fundamental PE and Physical Education Teacher Recommendation

Students will pick up where Fundamental PE weight training left off. Both sport specific weight training and cardiovascular activities will be used to prepare students for a more in depth training regime. Students will develop a year long fitness program. Students in this course will exercise strenuously to improve their fitness level. **Note: The ½ credit earned in this course can be applied to the 1 credit required for graduation.**

## SPORTS MEDICINE

CRS 120131 Grade 11-12 CR ½ Q 1 block

PREREQUISITE: Fundamental PE. Grade 10 students will be considered with teacher approval.

Sports medicine will be taught from the perspective of the athlete. It is both writing and a lab intensive course. Students will learn hands on skills such as palpation, joint taping, range of motion assessment, joint and muscle rehabilitation and more. The topics covered are healing mechanisms, recognition, management, rehabilitation and prevention of injuries. Students will leave this course better prepared to pursue a career in sports medicine and provide a solid foundation for the understanding of preventing and caring for sports injuries. **Note: The ½ credit earned in this course can be applied to the 1 credit required for graduation. It will be offered for the 2022-2023 school year.**

## TEAM GAMES FOR BEGINNERS

CRS 120351 Grades 9-10 CR ½ Q 1 block

PREREQUISITE: Fundamental PE

This team games class will be an introductory course for beginners. Students will participate in a variety of popular team sports focusing on improving game skill, strategies, teamwork, officiating skills, and playing the total game. It is anticipated that after playing at this level, students will have the ability and desire for participation in recreational games throughout their lives. Activities may include soccer, volleyball, basketball, softball or miscellaneous games. **Note: The ½ credit earned in this course can be applied to the 1 credit required for graduation.**

## TEAM GAMES INDOOR

CRS 120151 Grade 11-12 CR ½ Q 1 block

PREREQUISITE: Fundamental PE

Students will participate in a variety of popular team sports focusing on improving game skill, strategies, teamwork, officiating skills, and playing the total game. It is anticipated that after playing at this level, students will have the ability and desire for participation in recreational games throughout their lives. Activities may include soccer, volleyball, basketball, ultimate Frisbee, and miscellaneous games. **Note: The ½ credit earned in this course can be applied to the 1 credit required for graduation.**

### **TEAM GAMES OUTDOOR**

CRS 120321 Grades 11-12 CR ½ Q 1 block

PREREQUISITE: Fundamental PE

Students will participate in a variety of popular team sports focusing on improving game skill, strategies, teamwork, officiating skills, and playing the total game. It is anticipated that after playing at this level, students will have the ability and desire for participation in recreational games throughout their lives. Activities may include soccer, volleyball, basketball, softball or miscellaneous games. **Note: The ½ credit earned in this course can be applied to the 1 credit required for graduation.**

### **WALK YOUR WAY TO FITNESS**

CRS 120171 Grades 9-12 CR ½ Q 1 Block

PREREQUISITE: Fundamental PE

Walk your way to fitness is primarily an outdoor walking course where students will learn the basics of how to develop a walking program to meet their individual needs in order to improve overall cardiovascular fitness. This is a beginner course designed for the average student, in essence to promote living a healthy lifestyle through exercise. **Note: The ½ credit earned in this course can be applied to the 1 credit required for graduation.**

### **WOMEN'S HEALTH**

CRS 090251 Grades 11-12 CR ½ Q 1 block

PREREQUISITE: Health. Students will explore the physical, social, emotional and intellectual issues that affect women in today's society. The course will utilize historical perspectives on the role of women in American society in order to generate an understanding of the female role as it evolves into the next century. Topics will include career and social options, psychological foundations of behavior, reproductive/relationship issues, childbearing/parenting concerns, and chronic and degenerative disease associated with women (e.g. breast cancer, osteoporosis). A strong emphasis will be placed on personal health, both physical and emotional, which will encourage the development of competent, confident women.

## Science

The science offerings at Spaulding High School provide students with an opportunity to think about and to study the principles, concepts, and great issues of science. A sequence of courses meets the educational needs of the following groups of students: 1) Students not planning to continue their education beyond high school but who require an understanding of science as it relates to the world around them, and 2) Students welcoming more exposure to science techniques and content through problem solving in a laboratory situation. The program for this type of student satisfies the prerequisites for future training in areas such as nursing, engineering, and liberal arts.

A common trend in all science courses is the provision of knowledge and skills relating to the metric system and a working knowledge of the scientific process as it relates to the course and to everyday living. Students develop the competence in science necessary to meet the needs of modern life, to recognize the contributions of science to human welfare, and to become aware of career opportunities in the field of science.

The graduation requirements for science are **3 credits**: Must include the completion of 1 credit each of Physical Science, Biological Science, and 1 credit of Science Elective(s).

All students are encouraged to take more than the 3 required credits of science and college bound students need to take more science classes to prepare themselves to be successful academically.

**NOTE: Students may receive elective science credit by successfully completing any of the non-required courses below or any of the following courses. Robotics, Animal Science 1, Computer Technology 1, Health Science Technology 1, Electricity & Introduction to Computers.**

Course	CRS#	Grade	Credit	Length	College Credit Opportunity	4 <sup>th</sup> Math Experience
MOWR Anatomy and Physiology I HNR	0300135	10-12	1	Semester		
MOWR Anatomy and Physiology II HNR	0300235	11-12	1	Semester		
Biology	030501	10-12	1	Semester		
MOWR Biology	0305015	10-12	1	Semester		
Biology ENR	030502	10-12	1	Semester		
MOWR Biology ENR	0305025	10-12	1	Semester		
Biology HNR	030033	10-12	1	Semester		
MOWR Biology HNR	0300335	10-12	1	Semester		
Biology AP- MOWR	030044	11-12	2	Year	*	
Botany	030572	10-12	1/2	Quarter		
Chemistry	030051	11-12	1	Semester		π
Chemistry ENR	030052	11-12	1	Semester		π
Chemistry HNR	030053	11-12	1	Semester		π
Comparative Zoology ENR	030402	10-12	1	Semester		
Comparative Zoology HNR	030403	10-12	1	Semester		
Earth: Anatomy of Natural Disasters	030511	9-12	1/2	Quarter		
Earth: Anatomy of Natural Disasters ENR	030542	9-12	1/2	Quarter		
Earth: Anatomy of Natural Disasters HNR	030543	9-12	1/2	Quarter		
Earth Science	030521	9-10	1	Semester		
Earth Science ENR	030522	9-10	1	Semester		
Earth Science HNR	030523	9-10	1	Semester		
Environmental Science 1 ENR	030072	11-12	1	Semester		π
Environmental Science 1 HNR	030073	11-12	1	Semester		π
Environmental Science 2 ENR	030412	11-12	1	Semester		π
Environmental Science 2 HNR	030413	11-12	1	Semester		π
Human Biology ENR	030032	10-12	1	Semester		
Human Biology 2 ENR	030442	11-12	1	Semester		
MOWR Human Biology ENR	0300325	10-12	1	Semester		
MOWR Human Biology 2 ENR	0304425	11-12	1	Semester		
Marine Science	030351	10-12	1	Semester		
Marine Science ENR	030352	10-12	1	Semester		
Marine Science HNR	030353	10-12	1	Semester		
Meteorology	030582	9-12	1/2	Quarter		
Physical Science	030531	9-10	1	Semester		π
Physical Science ENR	030532	9-10	1	Semester		π
Physical Science HNR	030533	9-10	1	Semester		π
Physics ENR	030132	11-12	1	Semester		π
Physics HNR	030133	11-12	1	Semester		π
Science and Society ENR	030302	10-12	1/2	Quarter		
Science and Society HNR	030313	10-12	1/2	Quarter		

**\*MOWR ANATOMY AND PHYSIOLOGY I HNR**

CRS 0300135 Grades 10-12 CR 1 S 1 block

PREREQUISITES: Completion of Biology Enriched/Honors with teacher recommendation.

This intensive course explores the structure and function of the human body in detail. Emphasis is placed on homeostatic mechanisms from the cellular to the organism level. The student is expected to relate classroom learning to reading material, lab experiments/ dissections and to synthesize learning through writing and effective discussion and presentation.

**\*MOWR ANATOMY AND PHYSIOLOGY II HNR**

CRS 0300235 Grades 11-12 CR 1 S 1 block

PREREQUISITES: Completion of Anatomy and Physiology I (Honors), or Human Biology (ENR) with teacher recommendation.

A continuation of Anatomy and Physiology I, this course students will explore systems that were not covered in A&P I and delve deeper into the physiology of those covered in A&P I. Coursework will continue to focus on homeostatic mechanisms through the synthesis of classroom learning, research, and lab experiments/dissections.

**\*BIOLOGY**

CRS 030501 Grades 10-12 CR 1 S 1 block

**\*MOWR BIOLOGY**

CRS 0305015 Grades 10-12 CR 1 S 1 block

**\*BIOLOGY ENR**

CRS 030502 Grades 10-12 CR 1 S 1 block

**\*MOWR BIOLOGY ENR**

CRS 0305025 Grades 10-12 CR 1 S 1 block

**\*BIOLOGY HNR**

CRS 030033 Grades 10-12 CR 1 S 1 block

**\*MOWR BIOLOGY HNR**

CRS 0300335 Grades 10-12 CR 1 S 1 block

In this 1 credit required Biology course, students will be introduced to the major concepts of the biological sciences. Topics will include Molecules to Organisms: Structures and Processes, Ecosystems: Interactions, Energy and Dynamics, Heredity: Inheritance and Variation of Traits, and Biological Evolution: Unity and Diversity. The competencies and performance indicators are aligned to NH K-12 Model Science Competencies, the NGSS for Life Sciences Grades 9-12, and the 21st Century Learning Expectations. Students that elect to take this course at higher levels should expect greater rigor, increased pacing and more independent learning experiences. Students will be expected to demonstrate greater depth of understanding and the ability to communicate course content effectively.

**\*BIOLOGY AP- MOWR**

CRS 030044 Grades 11-12 CR 2 Y 1 block

PREREQUISITE: Successful completion of Biology and Chemistry ENR/HNR. Students will be accepted if they are concurrently enrolled in Honors Chemistry during 1<sup>st</sup> semester.

This full year course is a college level introductory course in Biology. In this course students will develop a solid understanding of many biological concepts as well as make connections between concepts to understand the four big ideas that are outlined in the College Board Curriculum Framework. The course curriculum will include classification, microbiology, ecology, cell structure and function, molecular biology, biotechnology, genetics, physiology and behavior. Students will explore these topics through guided and inquiry-based lab experiences. A complete understanding of the scientific process, and the ability to synthesize information, make connections and draw conclusions using data will be required to be successful in this course.

**BOTANY ENR**

CRS 030572 Grades 10-12 CR ½ Q 1 block

PREREQUISITE: Successful completion of Biology.

In this ½ credit elective Science course, students will be introduced to Botany the scientific study of plants and their relationship to the environment. Students will be able to investigate the growth, reproduction, anatomy, morphology, physiology, biochemistry, taxonomy, genetics, and ecology of plants. The competencies and performance indicators are aligned to NH K-12 Model Science Competencies, the NGSS for Life Sciences Grades 9-12, and the 21st Century Learning Expectations. Students that elect to take this course at higher levels should expect greater rigor, increased pacing and more independent learning experiences. Students will be expected to demonstrate greater depth of understanding and the ability to communicate course content effectively through the use of laboratory and outdoor experiences.

**\*CHEMISTRY (π)**

CRS 030051 Grade 11-12 CR 1 S 1 block

PREREQUISITE: Successful completion of both Algebra A & B and Chemistry Matters/Physical Science AND science teacher recommendation.

**\*CHEMISTRY ENR (π)**

CRS 030052 Grade 11-12 CR 1 S 1 block

PREREQUISITE: Successful completion of both Algebra 1A & 1B ENR as well as Chemistry Matters ENR/Physical Science ENR, AND science teacher recommendation. Grades of 'Beyond Competent' at these levels are HIGHLY recommended for success at this level. Students who utilize credit recovery for Algebra are not advised to take Chemistry ENR.

**\*CHEMISTRY HNR (π)**

CRS 030053 Grade 11-12 CR 1 S 1 block

PREREQUISITE: Successful completion of both Algebra 1 HNR as well as Chemistry Matters HNR/Physical Science HNR, AND science teacher recommendation. Grades of 'Beyond Competent' at these levels are HIGHLY recommended for success in this level.

This course uses laboratory and classroom activities to study the structure of matter and the changes it can undergo. Standard level Chemistry lays a strong foundation in the basic principles of chemistry for the student who seeks a general knowledge of chemistry. This course satisfies college request to have Chemistry on your transcript. Topics include atomic structure, the periodic table, chemical bonding and reactions, gas laws and the properties of acids and bases. Students need to have a good work ethic and be comfortable manipulating variables in equations and solving proportions. Chemistry will involve some material from Chemistry Matters, at a faster pace and a deeper level. Enriched level Chemistry will delve deeper, both in the math and the rigor. Enriched level students need a strong work ethic, ability to work independently, and self-advocate. Honors level Chemistry requires highly motivated students as it moves at a faster pace and more independently. Students are expected to be independent thinkers, excel in problem solving and able to work independently, as the instruction will be more by discovery than direct instruction, whenever applicable.



**\*COMPARATIVE ZOOLOGY ENR**

CRS 030402 Grades 10-12 CR 1 S 1 block

**COMPARATIVE ZOOLOGY HNR**

CRS 030403 Grades 10-12 CR 1 S 1 block

The course will examine the comparative anatomy, physiology and behavior of a wide range of invertebrate and vertebrate animal groups. Topics will include locomotion, respiration, circulation, digestion, excretion, reproduction, and related diseases. Method of instruction will include classroom learning, research, group projects, experimentation, and dissections.

**EARTH: ANATOMY OF NATURAL DISASTERS**

CRS 030511 Grades 9-12 CR 1/2 Q 1 block

**EARTH: ANATOMY OF NATURAL DISASTERS ENR**

CRS 030542 Grades 9-12 CR 1/2 Q 1 block

**EARTH: ANATOMY OF NATURAL DISASTERS HNR**

CRS 030543 Grades 9-12 CR 1/2 Q 1 block

In this course, students will investigate several categories of natural disasters that shape our dynamic planet. Students will learn the scientific concepts and theories behind the causes of each type of natural disaster and the effects on our planet. They will learn about locations around the globe, as well as within the United States where the various types of disasters strike. They will perform activities that empower them to demonstrate not only the scientific concepts, but the methods and tracking processes as well.

**EARTH SCIENCE**

CRS 030521 Grades 9-10 CR 1 S 1 block

PREREQUISITE: Completion of Pre-Algebra or equivalent.

**EARTH SCIENCE ENR**

CRS 030522 Grades 9-10 CR 1 S 1 block

PREREQUISITE: Enrolled in Enriched level English and Algebra.

**EARTH SCIENCE HNR**

CRS 030523 Grades 9-10 CR 1 S 1 block

PREREQUISITE: Enrolled in Enriched level English and Algebra.

In this one credit required Earth Science course, students will be introduced to the core disciplinary ideas of Earth and Space Science. Topics will incorporate the Earth's Place in the Universe, Earth's Systems, and Human Activity and Earth. The competencies and performance indicators for the course are aligned to the NH K-12 Model Science Competencies, the Next Generation Science Standards for Earth and Space Science grades 9-12, and the 21st Century Learning Expectations. Students that elect to take this course at higher levels should expect greater rigor, increased pacing and more independent learning experiences. Students will be expected to demonstrate greater depth of understanding and the ability to communicate course content effectively

**\*ENVIRONMENTAL SCIENCE I ENR ( $\pi$ )**

CRS 030072 Grades: 11-12 CREDIT 1 (fall semester course)

**\*ENVIRONMENTAL SCIENCE I HNR ( $\pi$ )**

CRS 030073 Grades: 11-12 CREDIT 1 (fall semester course)

PREREQUISITE: Must pass Biology and be accepted into the Environmental Science and Sustainability program.

This course will focus on the biogeochemical cycles, climate change, environmental health and pollution, sustainability and food production (hydroponics and aquaculture), as well as stream and watershed ecology. Class projects involving a study of the local forest, water quality of the Cocheco River watershed, as well as hydroponics and aquaculture will be conducted. Long term projects will also be researched, proposed and started at this time. Students choosing to enroll in this course at the honors level will be required to complete more rigorous coursework. **Note: Students taking this course at the HONORS LEVEL ONLY will have the option of earning three college credits. There would be a fee associated with this option.**

**\*ENVIRONMENTAL SCIENCE II ENR ( $\pi$ )**

CRS 030412 Grades: 11-12 CREDIT 1 (spring semester course)

**\*ENVIRONMENTAL SCIENCE II HNR ( $\pi$ )**

CRS 030413 Grades: 11-12 CREDIT 1 (spring semester course)

PREREQUISITE: Must successfully complete Environmental Science and Sustainability 1

This semester will focus on winter ecology, air quality, human population, marine ecosystems, natural resources and alternative energy sources. Spatial data will be collected, mapped and analyzed using ArcGIS software. Aquaculture and hydroponic systems will continue to be studied and the year-long projects will be completed and presented. Students choosing to enroll in this course at the honors level will be required to complete more rigorous coursework. **Note: Students taking this course at the HONORS LEVEL ONLY will have the option of earning three college credits. There would be a fee associated with this option.**

**\* HUMAN BIOLOGY ENR**

CRS 030032 Grades 10-12 CR 1 S 1 block

**\*MOWR HUMAN BIOLOGY ENR**

CRS 0300325 Grades 10-12 CR 1 S 1 block

PREREQUISITE: Biology.

The goal of this course is to introduce the student to the anatomy and physiology of the human body. Various systems are introduced along with their basic structure and function. Concepts such as homeostasis and feedback loops are described and synthesized into student learning and appreciation of maintaining health.

**\*HUMAN BIOLOGY 2 ENR**

CRS 030442 Grades 10-12 CR 1 S 1 block

**\*MOWR HUMAN BIOLOGY 2 ENR**

CRS 0304425 Grades 10-12 CR 1 S 1 block

PREREQUISITE: successful completion of Biology ENR and Human Biology I ENR

As a continuation of Human Biology I Enriched, students will explore additional systems not covered in Human Biology I and delve deeper into the physiology of these systems. Coursework will continue to focus on homeostatic mechanisms through the synthesis of classroom learning, research, and lab experiments/dissection.

**\* MARINE SCIENCE**

CRS 030351 Grades 10-12 CR 1 S 1 block

**\* MARINE SCIENCE ENR**

CRS 030352 Grades 10-12 CR 1 S 1 block

**\* MARINE SCIENCE HNR**

CRS 030353 Grades 10-12 CR 1 S 1 block

PREREQUISITE: Biology, or teacher recommendation.

In this semester-long project-based course students will explore the four oceanographic disciplines: the geography of the ocean floor, the chemistry of the seawater, marine ecology, and the biology of the oceans, including animals, plants, and microbes. Students will also investigate humanity's influence on the oceans and marine ecosystems. Laboratory experiences are an integral part of the course with reinforcement of laboratory skills and scientific inquiry. **Note: Although the competencies are the same for all levels, the manner in which you are assessed and demonstrate knowledge will be differentiated. Students that elect to take this course at higher levels should expect greater rigor, increased pacing, and more independent learning experiences. Students will be expected to demonstrate greater depth of understanding and the ability to communicate course content effectively.**

**METEOROLOGY ENR**

CRS 030582 Grade 9-12 CR ½ Q 1 block

PREREQUISITE: None

In this half credit required general science class, students will be introduced to the concept of thermal energy and how it affects Earth's atmosphere through reading and making weather maps.

**PHYSICAL SCIENCE (π)**

CRS 030531 Grade 9-10 CR 1 S 1 block

**PHYSICAL SCIENCE ENR (π)**

CRS 030532 Grade 9-10 CR 1 S 1 block

**PHYSICAL SCIENCE HNR (π)**

CRS 030533 Grade 9-10 CR 1 S 1 block

PREREQUISITE: Completion of Pre-Algebra or equivalent.

In this one credit required Physical Science course, students will be introduced to the core disciplinary ideas of Physics and Chemistry. Topics will incorporate motion (including Newton's laws), energy, waves, structure and properties of matter, along with an introduction to bonding and reactions. The competencies and performance indicators for the course are aligned to the NH K-12 Model Science Competencies, the Next Generation Science Standards for Physical Science grades 9-12, and the 21st Century Learning Expectations. Students that elect to take this course at higher levels should expect greater rigor, increased pacing and more independent learning experiences. Students will be expected to demonstrate greater depth of understanding and the ability to communicate course content effectively.

**\* PHYSICS ENR (π)**

CRS 030132 Grade 11-12 CR 1 S 1 block

PREREQUISITE: Passing grades in Algebra and Geometry. It is also strongly recommended that trigonometry be studied prior to or concurrently with this course.

Physics offers students an opportunity to apply mathematics practically and theoretically while gaining knowledge of the natural laws which govern the universe. A problem-solving approach in laboratory experiences is used to complement classroom discussion on matter and energy and the relationships between the two. The topics of motion, force, and energy are addressed. It is strongly recommended that trigonometry be studied prior to or concurrently with this course.

**\* PHYSICS HONORS (π)**

CRS 030133 Grade 11-12 CR 1 S 1 block

PREREQUISITE: Passing grades in H Algebra and H Geometry. It is also strongly recommended that trigonometry be studied prior to or concurrently with this course. This course will cover the same topics as Physics ENR but with a faster pace and greater depth. Emphasis will be placed on both independent and group labs. It is strongly recommended that students take Trigonometry H before this course.

**SCIENCE AND SOCIETY ENR**

CRS 030302 Grades 10-12 CR 1/2 Q 1 block

**SCIENCE AND SOCIETY HNR**

CRS 030313 Grades 10-12 CR 1/2 Q 1 block

Do UFOs exist? What about Bigfoot, ghosts, multiple-universes, chupacabras, deflated footballs or magic? Can the zombie apocalypse actually happen? Is the science that you see in your favorite TV shows, movies or books even close to the way science actually happens? What about those news headlines that say something like "The latest research shows..." or "A study just out today says that..." but they often seem to contradict the study that came out just the week before! Which one is correct? How is good science different from bad science? Can anyone really answer any of these questions and if so how? In this class we will try to do just that...or come as close as we can. Science and technology are essential, yet often poorly understood aspects of our society and culture. They are a daily part of our lives; from smartphones, to stem cells, to global warming and space exploration. Science affects all of us, even if we have never read a scientific paper, done an experiment, or entered a laboratory. As the amount and diversity of information continues to increase in our society, you will have to become more effective at making balanced and rational decisions on subjects that are unfamiliar to you. The goal of this class is to build upon your ability to think critically about scientific claims and to provide you with the tools and skills necessary to deal with societal issues that involve science. We will also examine the history of science and explore how it has both influenced and been influenced by society. This class will be student driven and you will have significant input on the topics that will be covered. Assessments will be focused on discussions, short papers and presentations.

## Social Studies

Social Studies is an academic discipline which studies contemporary life and problems that students will experience later in life. Implicit in the definition of social studies is the concept of citizenship. In this rapidly changing world, a proper balance must be achieved between social stability and social change. If students are to continue our democratic cultural heritage, they must be prepared to act as adults with initiative, independence and a willingness to accept responsibilities. Students will be given the opportunity to demonstrate competency in the political processes, relationships with government and relationships between individuals and groups in a democratic society. Students will understand the unique ways in which American government has evolved. Through inquiry, students identify problems, such as the relationship between humans and the environment. Today there is growing emphasis on ecology and a more geographical approach to social studies than there was in the past. While the acquisition of knowledge is important in the social studies curriculum, the use of knowledge and how to apply it to new situations and problems is a critical goal for students in these courses.

The graduation requirements for social studies are **2.5 credits**: Must include the completion of Global Studies, US History, Economics, and Growing up Granite. Students will satisfy the Global Studies requirement by passing Global Studies, Current Issues, Modern World History, Honors Contemporary Problems or ROTC AS -220 Cultural Studies-Global Awareness. Students will satisfy the Economics requirement by passing Economics, Economics ENR, Micro and Macro Economics AP, Marketing ENR, Marketing Ed. 1 (Somersworth)

Course	CRS#	Grade	Credit	Length	College Credit Opportunity
Civics in NH and the Nation: Growing up Granite	040341	11-12	1/2	Quarter	
Civics in NH and the Nation: Growing up Granite ENR	040342	11-12	1/2	Quarter	
Contemporary Problems HNR	040053	12	1	Semester	
Current Issues	040051	11 -12	1	Semester	
Early American History (previously US History 1)	040391	9-12	1/2	Quarter	
Early American History ENR (previously US History 1 ENR)	040392	9-12	1/2	Quarter	
Economics	040071	10 -12	1/2	Quarter	
MOWR Economics	040371	10-12	1/2	Quarter	
Economics ENR	040072	11-12	1	Semester	
MOWR Economics ENR	0400725	11-12	1	Semester	
Exploring Cultures	040091	9-12	1/2	Quarter	
Global Studies	040111	9-12	1/2	Quarter	
Global Studies ENR	040112	9-12	1/2	Quarter	
Historical Fiction	040131	10-12	1	Semester	
Historical Fiction ENR	040132	10-12	1	Semester	
History of The American Presidents	040151	10-12	1	Semester	
Justice Studies and Mock Trial ENR	040322	10-12	1	Semester	
Micro & Macro Economics AP	040074	11-12	2	Year	*
Modern World History ENR	040192	9-12	1	Semester	
North American Indian Studies ENR	040212	10-12	1	Semester	
Philosophy	040171	10-12	1	Semester	
Philosophy ENR	040172	10-12	1	Semester	
Psychology/Sociology	040231	11-12	1	Semester	
Psychology/Sociology ENR	040232	11-12	1	Semester	
Sports and American Society ENR	040241	10-12	1/2	Quarter	
Street Law: A Course in Practical Law	040351	11-12	1	Semester	
US History (previously US History 2)	040251	9-12	1	Semester	
MOWR US History (previously MOWR US History 2)	040381	9-12	1	Semester	
US History ENR (previously US History 2 ENR)	040252	9-12	1	Semester	
MOWR US History ENR (previously MOWR US History 2 ENR)	040382	9-12	1	Semester	
US History 2 HNR - MOWR	040333	10-12	1	Semester	*
US History AP	040254	10-12	2	Year	*

### \* CIVICS IN N.H. AND THE NATION: GROWING UP GRANITE

CRS 040341 Grades 11-12 CR ½ Q 1 block

PREREQUISITE: Competent in US History 2 or US History

### \* CIVICS IN N.H. AND THE NATION: GROWING UP GRANITE ENR

CRS 040342 Grades 11-12 CR ½ Q 1 block

PREREQUISITE: Competent in US History 2 ENR or US History ENR

This course explores the foundation of both New Hampshire and Rochester Government and the underpinnings of American Citizenship. Particular attention will be paid to New Hampshire's special role in the election process, Rochester's industrial roots, and how our local political system impacts everything from course offerings to Keno. Students should be prepared to conduct interviews, critically analyze the implications of local politics and voting through writing, and exhibit/ present their work.

**\*CONTEMPORARY PROBLEMS HNR**

CRS 040053 Grade 12 CR 1 S 1 block

PREREQUISITE: Must have passed both US History 2 ENR or US History ENR and English ENR with a beyond competent and the teacher's recommendation.

This course emphasizes research methods, individual and class research projects, term papers, discussion and debate relating to the following types of contemporary problems and current affairs: crime, juvenile delinquency, minorities, poverty, women's rights, suicide, drug addiction, alcoholism, family violence, aging, terrorism and the threat of a nuclear holocaust.

**\*CURRENT ISSUES**

CRS 040051 Grade 11-12 CR 1 S 1 block

PREREQUISITE: Passed US History 2 or US History and English with a beyond competent or better.

This course emphasizes active discussion of the major issues in our society, both global and national. Students are expected to do research into select topics to gain a greater insight into these current issues. The course includes evaluation of the current events related to these issues. Emphasis is placed on persuasive speech.

**\*EARLY AMERICAN HISTORY (previously US HISTORY 1)**

CRS 040391 Grade 9-12 CR ½ Q 1 block

**\*EARLY AMERICAN HISTORY ENR (previously US HISTORY 1 ENR)**

CRS 040392 Grade 9-12 CR ½ Q 1 block

This course surveys U.S. History from the end of the French and Indian War to the Reconstruction Period. Emphasis on the evolution of American government and its impact on subsequent historical events like westward expansion, industrialization, and the causes of the Civil War will be examined. The students are made aware of the change from colonialism to the creation of a new nation.

**\*ECONOMICS**

CRS 040071 Grade 10-12 CR ½ Q 1 block

**\*MOWR ECONOMICS**

CRS 040371 Grade 10-12 CR ½ Q 1 block

PREREQUISITE: Competent in Global Studies

This course is designed to develop students' understanding of basic economic principles. Although it is a survey course, students apply principles to current economic situations, they become familiar with economic and financial news and they engage in simulated economic activity. In this course some emphasis is placed on personal economics. **Note: This class will fulfill the economics requirement for graduation.**

**\*ECONOMICS ENR**

CRS 040072 Grade 11-12 CR 1 S 1 block

**\*MOWR ECONOMICS ENR**

CRS 0400725 Grade 11-12 CR 1 S 1 block

PREREQUISITE: Competent in US History ENR

This course develops students' understanding of the basic economic processes and the economic role of our government. A comparison of the various world economic systems is made with emphasis on the American free enterprise system. Students also become acquainted with possible approaches to various personal economic problems. **Note: This class will fulfill the economics requirement for graduation.**

**\*EXPLORING CULTURES**

CRS 040091 Grades 9-12 CR ½ Q 1 block

Through a variety of activities, discussions, films, projects, oral presentations and readings, students will examine common traits among people as well as unique differences between cultures. The course provides awareness of the world's perception of America, its people and the impact of our ethnocentricity. Possible topics for discussion include marriage customs, death rituals, world religions, and music around the world. Students considering this course should exhibit a high level of maturity.

**\*GLOBAL STUDIES**

CRS 040111 Grades 9-12 CR ½ Q 1 block

**\*GLOBAL STUDIES ENR**

CRS 040112 Grades 9-12 CR ½ Q 1 block

We live in an interconnected, globalized world where countries, people, and governments interact. This class examines the impact of this interaction through resources and environment, demographic studies, and human rights and conflict. This cultural and historical survey includes analysis of the causes and effects of world conflicts in the twentieth century and pays particular attention to recent and current international events. **Note: This class will fulfill the global studies requirement for graduation.** Although the competencies are the same for all levels, the manner in which you are assessed and demonstrate knowledge will be differentiated. Students that elect to take this course at higher levels should expect greater rigor, increased pacing and more independent learning experiences. Students will be expected to demonstrate greater depth of understanding and the ability to communicate course content effectively. **Note: This class will fulfill the global studies requirement for graduation.**

**\*HISTORICAL FICTION**

CRS 040131 Grades 10-12 CR 1 S 1 block

PREREQUISITE: Competent in US History 2 or US History

Historical Fiction is designed to place an emphasis on the use of novels, film, and media to enhance the student's knowledge and understanding of historical events. Through research, discussion, and written assignments, students will evaluate the historical accuracy and purpose of various works of historical fiction.

**\*HISTORICAL FICTION ENR**

CRS 040132 Grades 10-12 CR 1 S 1 block

PREREQUISITE: Competent in English ENR and US History 2 ENR or US History ENR

Historical Fiction is designed to place an emphasis on the use of novels, film, and media to enhance the student's knowledge and understanding of historical events. The ability to make both written and oral critical evaluations and analysis of extensive outside reading is required.

### **\* HISTORY OF THE AMERICAN PRESIDENTS**

CRS 040151 Grades 10-12 CR 1 S 1 block

This course is designed to examine and explore the American Presidency. Through a variety of readings, activities, primary documents, films and projects we will look at the many aspects of the American Presidency. We will look at the powers of the President and study the lives and accomplishments of the Presidents of the United States and First Ladies. Other topics include the presidential elector process, political parties, primaries, caucus, gerrymandering, Electoral College and popular vote.

### **\* JUSTICE STUDIES AND MOCK TRIAL ENR**

CRS 040322 Grade 10-12 CR 1 S 1 block

PREREQUISITE: Competent in US History 2 ENR or US History ENR and teacher recommendation.

Utilizing Street Law® courseware and various texts, this course will include a study of the Judicial system and the roles and functions of the parties involved in the courts. The course will provide students with the knowledge and skills necessary for good citizenship and to help them develop higher level thinking, important reasoning and public speaking skills. Concentration of study will be given to trial procedure of both criminal and civil cases. Students will participate in multiple mock trials in both criminal and civil law. Students will alternate between the roles of attorney and witness, and prosecution and defense teams. Thereby allowing the student to understand the importance and complexity of their roles and its impact on the case. Legal ethics, legal writing and current legal cases will also be discussed. Possible topics of discussion include Tort law, Criminal law, Juvenile Justice, Property law, Family law and Contract law. It is designed to provide juniors and seniors with problem solving opportunities that help develop the knowledge and skills necessary for survival in our law-saturated society. The curriculum includes case law, mock trials, podcasts, small group exercises, guest speakers and possible field trips. Students considering this course should exhibit a high level of maturity and should be advised that this course requires a large amount of public speaking. This course may be taken more than once.

### **\* MICRO & MACRO ECONOMICS AP**

CRS 040074 Grade: 11-12 CR 2 Y 2 blocks

PREREQUISITE: B average in HNR or ENR English and Math.

This course is a nationally standardized course for advanced students. Some students may earn credit for college economics after having completed this course. This course develops students' understanding of the economic processes and the economic role of our government. A comparison of the various world economic systems is made with emphasis on the American free enterprise system. Students also become acquainted with possible approaches to various personal economic problems. **Note: This class will fulfill the economics requirement for graduation.**

### **\* MODERN WORLD HISTORY ENR**

CRS 040192 Grades 9-12 CR 1 S 1 block

PREREQUISITE: Demonstrates competency in previous Social Studies course work.

This course is intended for students who have demonstrated above average ability and achievement in history. It is a course consisting of the study of humankind's political, cultural, and social institutions, beginning with the Renaissance and progressing up to the 21st century. Students complete extensive work developing skills in research, writing, map interpretation and vocabulary. Class requirements include one research project, one class presentation and one independent project.

**Note: This class will fulfill the global studies requirement for graduation.**

### **\* NORTH AMERICAN INDIAN STUDIES ENR**

CRS 040212 Grades 10-12 CR 1 S 1 block

This course will explore the culture, history, and contemporary issues of the North American Indian tribes. The students will trace the various political, social, and economic institutions of the continental United States' tribes from their early development to current day. In addition, the course will focus on the affects European and American contact had on the tribes' development as well as how tribes interact with one another.

### **\* PHILOSOPHY**

CRS 040171 Grades 10-12 CR 1 S 1 block

PREREQUISITE: Students must be competent in US History 2 or US History, and English 2 or Teacher Recommendation.

"Philosophy (Greek for the "love of wisdom) is about the search for answers to life's most perplexing problems: Who am I? How should I act? What does it mean to be human? Am I free? Why am I here? What is real? What is beauty? How does one live a meaningful life? The goal of this class is to explore these kinds of questions, for which there are no easy answers, addressing them intelligently and seriously. This is a course for students who wonder about things, are interested in ideas, and are willing to think, discuss, read, and write about them. This course will act as a foundation to some of the major problems, methods and insights of philosophy with readings from both classical and contemporary sources. We will focus primarily on the topics of Western philosophy, and student assessment will center on discussion and writing. Students should plan on extensive reading and writing when enrolled in this course."

### **\* PHILOSOPHY ENR**

CRS 040172 Grades 10-12 CR 1 S 1 block

PREREQUISITE: Students must be competent in US History 2 ENR or US History ENR, and English 2 ENR or Teacher Recommendation.

"Philosophy is commonly defined as the (Greek for the "love of wisdom") and philosophers are those who are about the search for answers to life's most perplexing problems, such as: Who am I? How should I act? What are the limits of my knowledge? What does it mean to be human? Am I free? Why am I here? What is real? Does God exist? What is beauty? How does one live a meaningful life? The goal of this class is to explore these kinds of questions, instead of searching for easy answers; we will address them intelligently and seriously for which, there are no easy answers, addressing them intelligently and seriously. This is a course for students who wonder about things, are interested in ideas, and are willing to think, discuss, read, and write about them. This course will act as a foundation to some of the major problems, methods and insights of philosophy with readings from both classical and contemporary sources. We will focus primarily on the topics of Western philosophy, and student assessment will center on discussion and writing. Students should plan on extensive reading and writing when enrolled in this course. The enriched section of this class will explore the same concepts in a more rigorous and academically demanding fashion."

### **\* PSYCHOLOGY/SOCIOLOGY**

CRS 040231 Grades 11-12 CR 1 S 1 block

PREREQUISITE: Competent in US History 2 or US History.

Students are given the opportunity to develop more effective understanding of the goals of psychology; the ways people behave and interact, where attitudes come from, social influences and their adjustment to society. These topics will be studied with reference to concrete experiences relevant to today's students. The second half of this course is a study of social experiences and human relationships. Considerable emphasis is placed upon issues, which affect individuals outside of the classroom, including potential problem areas such as marriage and divorce and crime and juvenile delinquency.

**\* PSYCHOLOGY/SOCIOLOGY ENR**

CRS 040232 Grades 11-12 CR 1 S 1 block

PREREQUISITE: Beyond Competent in US History 2 ENR or US History ENR.

This is a fast-paced course with challenging papers and projects. The course is intended for students who have a desire to study the uniqueness and complexities of human thought and behavior. Some of the topics discussed will be an introduction to the study of consciousness, thinking, problem solving, the nature of intelligence, motivation and emotion. The second half of this course is a fast-paced examination of many of the fundamental areas of sociology with emphasis placed upon individual research. The course helps students achieve a better understanding of the complex society in which they live and it helps them prepare for the challenge of further study in college.

**\*SPORTS & AMERICAN SOCIETY ENR**

CRS 040241 Grades 10-12 CR 1/2 Q 1 block

PREREQUISITE: Competent in US History 2 ENR or US History ENR

This course will focus on the evolving role of sports in American society. Students will examine the history of sports and its relationship with race, gender, and politics in the United States. Some topics include: African Americans and women in sports, Olympic Games, supplement and drug abuse, violence in sports, athletes and as role models. Students will develop skills in research, analysis, and interpretation. Students will be expected to participate in a variety of activities including: essays, discussions, and research projects.

**\*STREET LAW: A COURSE IN PRACTICAL LAW**

CRS 040351 Grade 10-12 CR 1 S 1 block

PREREQUISITE: Competent in US History 2 or US History

This course encompasses the Street Law © survey course. As young citizens soon to take an active part in their communities, students must have an understanding of the basic principles of our courts and laws and of the responsibilities of citizens. This course includes a study of the structure and functions of our court systems, both State and Federal. Possible topics of discussion include individual rights & Liberties, Tort law, Criminal law, Juvenile Justice, Property law, Family law and Contract law. It is designed to provide juniors and seniors with practical information and problem solving opportunities that help develop the knowledge and skills necessary for survival in our law-saturated society. The curriculum includes case studies, mock trials, podcasts, small group exercises, guest speakers and possible field trips. Students considering this course should exhibit a high level of maturity and be advised that it requires public speaking.

**\* US HISTORY (previously US HISTORY 2)**

CRS 040251 Grade 9 -12 CR 1 S 1 block

**\*MOWR US HISTORY (previously MOWR US HISTORY 2)**

CRS 040381 Grade 9-12 CR 1 S 1 block

PREREQUISITE: Competent in Global Studies

This course surveys U.S. History from reconstruction after the Civil War to the present day. This course emphasizes economics, domestic and foreign policy problems which continue to have an impact on contemporary America. The students are made aware of the change from isolationism to internationalism. Historical events are studied in relationship to contemporary lifestyles and problems. **Note: This class will fulfill the US History requirement for graduation.**

**\* US HISTORY ENR (previously US HISTORY 2 ENR)**

CRS 040252 Grade 9 -12 CR 1 S 1 block

**\*MOWR US HISTORY ENR (previously MOWR US HISTORY 2 ENR)**

CRS 040382 Grade 9 -12 CR 1 S 1 block

PREREQUISITE: Competent in Global Studies ENR

This course surveys U.S. History from reconstruction after the Civil War to the present day. This course emphasizes economics, domestic and foreign policy problems which continue to have an impact on contemporary America. The students are made aware of the change from isolationism to internationalism. Term papers and essays are required. **Note: This class will fulfill the US History requirement for graduation.**

**\* US HISTORY 2 HNR – MOWR**

CRS 040333 Grade 10-12 CR 1 S 1 block

PREREQUISITE: B or better in all ENR / HNR level Social Studies and English courses. Approval of the US History HNRs teacher is required and recommendation from their social studies teacher.

The second half of the United States history survey course covers the period following the Civil War. The economic, political and ideological developments that allowed the United States to attain a position of world leadership are closely examined. Required for majors in history and social studies education with a concentration in history. Students are expected to be prepared for weekly reading and writing assignments. This is a rigorous course, students are expected to work nightly at home on both reading and writing assignments. **Note: This is a dual enrollment course and students are eligible to receive college credit. There is a fee associated with this option. Note: This class will fulfill the US History requirement for graduation.**

**\* US HISTORY AP**

CRS 040254 Grade 10-12 CR 2 Y 1 block

PREREQUISITE: B or better in all ENR / HNR level Social Studies and English courses. Approval of the Advanced Placement history teacher is required.

This is a nationally standardized course for advanced students under the requirements of the College Board. Some students may earn credit for college history after completing this class. Fast paced overview of US History designed to stimulate and challenge students. Course examines the causes and effects of historical events and social conditions covering the time periods from early exploration to the present. Outside reading as well as Document Based and Free Response Essays are required weekly or bi-weekly. Class discussion of historical and current events is mandatory. The course culminates with the Advanced Placement United States History Exam which may be taken in the spring of the school year. **Note: This class will fulfill the US History requirement for graduation.**

## Special Education

The Special Education Department at Spaulding High School provides instructional, resource and counseling services to those educationally disabled students who have unique educational needs which can be met only through specially designed school programs.

Eligible students may receive a variety of services. For example, some students may be scheduled for mainstream academic classes which are modified to accommodate students' specific strengths and weaknesses. Other students may be scheduled for self-contained classes taught within the Special Education Department.

To take advantage of any program, students must follow the procedures established by the Guidance and Special Education Departments and by the District Placement Team. All procedures are governed by the New Hampshire Standards for the Education of Handicapped Students. An Individualized Educational Plan (IEP) is developed and followed for each special education student.

Enrollment in any courses offered by the Special Education Department is by IEP team recommendation. Eligibility for a Modified Diploma will be decided by the IEP team as part of developing an appropriate educational plan for the student. Skills level classes count towards requirements of a Modified Diploma or as elective credits towards a Standard Diploma. Course selections for incoming students who are working at the Skills level will be determined at the IEP team meeting. If unsure of status, contact the Special Education Department.

Course	CRS#	Grade	Credit	Length
Collaborative Art (Spring of 2022)	060161	10-12	1/2	Semester Mini
Collaborative Creative Fabrics	090121	10-12	1/2	Quarter
Collaborative Language Experience offered 2022-2023	100021	9-12	1/2	Semester Mini
Collaborative/Unified PE	120301	9-12	1/2	Quarter
Collaborative Sign Language (offered 2022-2023)	130830	9-12	1/2	Quarter
G.O.S.T	130500	G.O.S.T.	N/A	Year
Learning Independence Through Experience – L.I.T.E.	130350	9-12	1/2	Quarter
Skills English A Mini	130510	9-12	1	Year Mini
Skills English B Mini	130600	9-12	1	Year Mini
Skills Math A Mini	130910	9-12	1	Year Mini
Skills Math B Mini	130940	9-12	1	Year Mini
Skills Media Literacy & Current Issues (not offered 2021-2022)	130800	10-12	1	Semester
Skills Nutrition, Health and Safety Mini	130970	11-12	1	Year Mini
Skills Read/Write Mini	130220	9-12	1	Year Mini
Skills Science	130200	9-12	1	Semester
Skills Social Studies	130190	9-12	1	Semester

### **COLLABORATIVE ART offered Spring 2022**

CRS 060161 Grades 10-12 CR 1/2 S mini

PREREQUISITE: Special Education students - placement will be made by IEP team decision.

Collaborative Art provides an exciting opportunity for students to share art. In this course a regular education student will be paired with a special education student to collaborate on art assignments. Each will contribute to the design and production of a variety of art works. There will be both jointly and independently created art works. Note: This class will fulfill the fine arts requirement for graduation. This class may be taken more than once. **Note: this course will run in alternating years.**

**It will be offered for the 2021-2022 school year.**

### **COLLABORATIVE CREATIVE FABRICS**

CRS 090121 Grades 10-12 CR 1/2 Q 1 block

PREREQUISITE: Application to FCS Department. Special Education students will be selected by the IEP team. In this course a regular education student will be paired with a special education student to collaborate on creative fabric projects. Each will contribute to the design and production of a variety of fabric projects.

### **COLLABORATIVE LANGUAGE EXPERIENCE offered 2022-2023**

CRS 100021 Grades 9-12 CR .5 S mini

PREREQUISITE: Special Education students – placement will be made by IEP team decision. In this course, a regular education student will be paired with a special education student to collaborate in a language learning environment. Students will develop both oral communication and listening comprehension skills. Cultural celebrations and events will enrich the classroom experience, opening the doors to different cultures and breaking down barriers. Communication is the basis of standards for all levels of modern and classical languages.

### **COLLABORATIVE/UNIFIED PE**

CRS 120301 Grades 9-12 CR 1/2 Q 1 block

PREREQUISITE: Fundamental PE Special Education students will be selected by their IEP team.

This class provides an excellent opportunity for students to participate in physical activity together. In this course a regular education student will be paired with a special education student to collaborate on physical activities. Activities included will be Fitness, Weight Room, Sports and Climbing related. Students will work together on improving skill levels within each activity. Note - The 1/2 credit earned in this course can be applied to the 1 credit required for graduation.

### **COLLABORATIVE SIGN LANGUAGE offered 2022-2023**

CRS 130830 Grades 9-12 CR 1/2 Q 1 block

PREREQUISITE: Special Education students will be selected by the IEP team. In this course a regular education student will be paired with a special education student to develop sign language skills and collaborate on class assignments.

Students taking the Collaborative Sign Language course will gain knowledge about cultural practices of the deaf community and will increase their understanding of this part of the community. By learning basic visual gestural system, students will obtain the tools needed to connect with others that use a visual gesture system. Skills signing students will develop an understanding of the nature of language including using their hands and bodies in basic signs for everyday use and valuable

information about the cultural aspects of hearing loss. The students will be able to use this knowledge to expand insight into their own language and culture. By the end of the course, students will enhance their personal knowledge and be able to communicate with a larger segment of the 21<sup>st</sup> century community.

### **GOAL ORIENTED STUDENT TRANSITION (G.O.S.T).**

CRS 130500

PREREQUISITE: Graduation with a Modified Diploma or Certificate of Achievement. Placement will be approved by IEP team decision.

The Spaulding High School G.O.S.T. program is intended to be a transitional step for students who have completed the requirements for a modified diploma and are in need of a more intensive transition to the adult world. Individualized student programs will provide real-world experience with a foundation in civic duties, vocational opportunities, daily living skills, recreational activities and community involvement. The goal of the program is to maximize a student's autonomy upon completion of their high school experience. Note: Because of the intensive nature of individualized programming, students' daily schedules may not reflect SHS block scheduling. This includes potentially shortened days and/or after-school hours based on vocational, recreational and community resources.

### **L.I.T.E- LEARNING INDEPENDENCE THROUGH EXPERIENCE**

CRS 130350 Grades 9-12 CR 1 Q 1 block

PREREQUISITE: Placement will be made by IEP team decision.

Students in the L.I.T.E. program will be taught all academics through experiential learning through specialized instruction. Science, social studies, language arts and math are all encompassed within the program. Students will have academic time as well as daily living skills instruction. Students who are placed in this self-contained program, are incorporated into electives and other mainstream classes with support that assists them to be successful in that environment.

### **SKILLS ENGLISH A MINI**

CRS 130510 Grades 9-12 CR 1 Y mini block

### **SKILLS ENGLISH B MINI**

CRS 130600 Grades 9-12 CR 1 Y mini block

PREREQUISITE: Placement will be made by IEP team decision.

The curriculum includes a study of grammar, usage, and mechanics, vocabulary, speech, composition, and literature through specialized instruction. Students will be exposed to English competencies. This course includes an intervention piece with specialized instruction based on IEP goals. Note: Skills English A fulfills an English requirement. Skills English B is an elective credit.

### **SKILLS MATH A MINI**

CRS 130910 Grades 9-12 CR 1 Y mini block

### **SKILLS MATH B MINI**

CRS 130940 Grades 9-12 CR 1 Y mini block

PREREQUISITE: Placement will be made by IEP team decision.

Students in this course will cover basic number sense, operations, basic geometry, time, money, and other skills needed for independent daily living and functioning in the world of work through specialized instruction. Interventions are incorporated in the curriculum and students work on both competencies for math as well as individual IEP goals. Note: Skills Math A fulfills a Math requirement. Skills Math B is an elective credit.

### **SKILLS MEDIA LITERACY AND CURRENT ISSUES (not offered 2021-2022)**

CRS 130800 Grades 10-12 CR 1 S 1 block

PREREQUISITE: Placement will be made by IEP team decision.

Students will explore relevant current issues via the mediums of film, radio, DVD, TV, electronic media, and advertising content through specialized instruction. They will develop an awareness of literacy and literature in the highly animated, visually stimulating era of modern media. Students will learn strategies to manage the enormous amount of information delivered through the media. They will be introduced to forms of technology that can support their learning now and in the future.

### **SKILLS NUTRITION, HEALTH AND SAFETY MINI**

CRS 130970 Grades 11-12 CR 1 Y mini block

PREREQUISITE: Placement will be made by IEP team decision due to the nature of the topics covered.

Nutrition, Health and Safety is a class designed to provide students with realistic classroom opportunities to acquire the knowledge and skills to serve as the building blocks to understanding health related issues. Students will be instructed to obtain, interpret, and understand basic health information and services in ways that enhance and actively promote a health conscious lifestyle.

### **SKILLS READ/WRITE MINI**

CRS 130220 Grades 9-12 CR 1 Y mini block

PREREQUISITE: Placement will be made by IEP team decision.

Students in this class will focus on increasing skill level and comfort in reading and writing as well as building effective communication skills through specialized instruction. The class will utilize strategies to increase communication skills, evaluate media and acquire, construct and express knowledge. The reading component of this class will focus on comprehension, decoding and fluency. The writing component will focus on structuring sentences and effectively organizing ideas. Another component of this class will be exploration of technology that supports the previously mentioned skills.

### **SKILLS SCIENCE**

CRS 130200 Grades 9-12 CR 1 S 1 block

PREREQUISITE: Placement will be made by IEP team decision.

Skills Science emphasizes understanding of basic concepts and using skills acquired through specialized instruction. The students will observe, inquire, question, formulate and test hypotheses, analyze data, report, and evaluate findings. The students will have hands-on, active experiences throughout the instruction of the science curriculum. The concepts that are to be taught are directly correlated to the Spaulding High School Science Competencies.

### **SKILLS SOCIAL STUDIES**

CRS130190 Grades 9-12 CR 1 S 1 block

PREREQUISITE: Placement will be made by IEP team decision.

This semester-long course serves as a survey of the major subjects of social studies through specialized instruction. Students will investigate essential understandings in civics, economics, history and current issues with an emphasis on life skills and enduring lessons. Specifically, the focus will be on the topics of citizenship, the structure of government, economic skills, human rights and change over time. By the end of the course, students should have the knowledge and tools to be productive members of the community and critical thinkers about humanity.



## World Language

Learning Languages guides students towards developing competence in communicating effectively, interacting with cultural differences, and participating in multilingual communities at home and around the world. (ACTFL.org 2018)

To arrive at these goals, at least a two year preparation in a world language is considered essential to a basic college preparatory high school program. Students who plan to attend competitive colleges should study a modern or classical language for three or four consecutive years. The World Language Department recommends that students who are considering taking first year language be enrolled in at least ENR level English classes. Language students continuing onto the next level must have successfully completed the previous level. A teacher recommendation is also recommended. As language study is sequential in nature, courses should be taken as close together as possible.

Course	CRS#	Grade	Credit	Length	College Credit Opportunity
Collaborative Language Experience: Peer Leader ENR (22-23)	100052	10-12	1	Semester	
French 1 ENR	100012	9-12	1	Semester	
French 2 ENR	100032	9-12	1	Semester	
French 3 HNR	100053	9-12	1	Semester	
French 4 HNR	100073	10-12	1	Semester	
French AP	100114	11-12	2	Year	*
Latin 1 ENR	100132	9-12	1	Semester	
Latin 2 ENR	100152	9-12	1	Semester	
Latin 3 HNR	100173	10-12	1	Semester	
Latin 4 HNR	100193	10-12	1	Semester	
Spanish 1 ENR	100212	9-12	1	Semester	
MOWR Spanish 1 ENR	100242	10-12	1	Semester	
Spanish 2 ENR	100232	9-12	1	Semester	
Spanish 3 HNR	100253	9-12	1	Semester	
Spanish 4 HNR	100273	10-12	1	Semester	
Spanish 5 HNR	100293	11-12	1	Semester	
Spanish Advanced Studies	100283	11-12	1	Semester	
Spanish AP	100314	11-12	2	Year	*

### COLLABORATIVE LANGUAGE EXPERIENCE: PEER LEADER ENR Offered 2022-2023

CRS 100052 Grades 11-12 CR 1 S 1 block

PREREQUISITE: One year of World Language approved by that teacher. In this collaborative language learning environment, peer leaders will not only aid in social, oral and listening skills with special education students, but will also develop and implement lesson plans for short lessons on a weekly basis. These lesson plans will be in line with department standards and will consist of a written plan, implementation, and a post-lesson conference with the teacher. The intent is to give students an exposure to effective educational techniques for those considering a career in education.

#### \* FRENCH 1 ENR

CRS 100012 Grades: 9-12 CR 1 S 1 block

It is recommended that students enrolling in a World Language be enrolled in ENR level English. It is assumed that French 1 students have not studied French previously. Emphasis is placed on beginning grammar, speaking, reading, writing, listening comprehension and cultural awareness. The highlight of French 1 is the café unit where in addition to learning how to order in a café, students prepare an authentic French feast.

#### \* FRENCH 2 ENR

CRS 100032 Grades: 9-12 CR 1 S 1 block

PREREQUISITE: French 1 and teacher recommendation.

French 2 is a continuation of French 1. Emphasis is placed on continuing beginning grammar, speaking, reading, writing, listening comprehension and cultural awareness. The students will continue to practice in the present tense with a main focus on the past tense. The highlight of French 2 is an exploration of Paris, its many marvels, and rich history.

#### \*FRENCH 3 HNR

CRS 100053 Grades 9-12 CR 1 S 1 block

PREREQUISITE: French 2 and teacher recommendation.

The emphasis of French 3 is placed on intermediate grammar, speaking, reading, writing, listening comprehension and cultural awareness. With a main focus on the two past tenses. Students will be exposed to a wide variety of authentic French short stories and excerpts. The highlight of French 3 will be constructing a personal scrapbook on a camping adventure. It should be noted that HONORS courses move at a faster pace than ENR level courses and demand a greater workload.

#### FRENCH 4 HNR

CRS 100073 Grade 10-12 CR 1 S 1 block

PREREQUISITE: French 3 and teacher recommendation.

The emphasis of French 4 is placed on advanced grammar, speaking, reading, writing, listening comprehension and cultural awareness. Students will be introduced to the future, conditional, and subjunctive tenses will be exposed to a wide variety of authentic French short stories and excerpts. Students will also be introduced to the past perfect, future perfect, past conditional, and exposed to the simple past tenses. Students will also further develop their skills with informal writings. The highlight of French 4 is the travel unit and production of grammatical and thematic videos. Classes are mostly conducted in French. It should be noted that HONORS courses move at a faster pace than ENR level courses and demand a greater workload.

## **FRENCH AP**

CRS 100114 Grade 11-12 CR 2 Y 1 block

PREREQUISITE: French 4 and/or teacher recommendation.

The goals of AP French are to develop the ability to understand spoken French in various contexts, to develop a French vocabulary sufficient for reading newspaper and magazine articles, literary texts, and other non-technical writings without dependence on a dictionary. In addition, the student will develop the ability to express oneself in French, both orally and in writing, coherently, resourcefully and with reasonable fluency and accuracy. It is important that students have a strong command of the language as well as the motivation and discipline required to keep up with a challenging and demanding curriculum, equivalent to a second or third year college course of French conversation and composition. Classes are conducted exclusively in French.

## **\* LATIN 1 ENR**

CRS 100132 Grades 9-12 CR 1 S 1 block

It is recommended that students enrolling in a World Language be enrolled in ENR level English and have a recommendation from their current English teacher. The goals for the first year study of Latin are to teach the vocabulary, forms and syntax necessary to understand Latin literature and to prepare students to read selected exercises and stories related to Roman legend, history and culture.

## **\* LATIN 2 ENR**

CRS 100152 Grades 9-12 CR 1 S 1 block

PREREQUISITE- Latin 1 and teacher recommendation.

Latin 2 begins with a thorough review of the vocabulary, forms, and grammar learned in Latin 1. The students will study pronouns, comparison of adjectives and adverbs, infinitives, and indirect statements. The practical use of this syntax is seen in the translation of the readings after each unit. The study of Roman history, legend, and culture continues in this course.

## **LATIN 3 HNR**

CRS 100173 Grades 10-12 CR 1 S 1 block

PREREQUISITE: Latin 2 and teacher recommendation.

This course will present students with a rich variety of both syntax and further Latin readings. Students will expand their reading of various Roman authors and will be provided the opportunity to understand and enjoy more advanced study of the language and the people who spoke Latin. It should be noted that HONORS courses move at a faster pace than ENR level courses and demand a greater workload.

## **LATIN 4 HNR**

CRS 100193 Grades 10-12 CR 1 S 1 block

PREREQUISITE: Latin 3 and teacher recommendation.

Latin 4 is a continuation of Latin 3 with a focus on the readings of Roman authors such as Livy, Sallust, Caesar, Cicero, and Virgil. It should be noted that HONORS courses move at a faster pace than ENR level courses and demand a greater workload.

## **\*SPANISH 1 ENR**

CRS 100212 Grades 9-12 CR 1 S 1 block

## **MOWR SPANISH 1 ENR**

CRS 100242 Grades 10-12 CR 1 S 1 block

It is recommended that students enrolling in a World Language be enrolled in ENR level English. Students who have taken Spanish 1 previously, and have passed with an A or B, are ineligible for this class. Students who received a C should discuss proper placement with their guidance counselor and Spanish teacher. Emphasis of the class is placed on beginning level communication and an introduction to the Spanish-speaking world. The goal of this course is to prepare students for Spanish 2 ENR

## **\*SPANISH 2 ENR**

CRS 100232 Grades 9-12 CR 1 S 1 block

PREREQUISITE: Spanish 1 and teacher recommendation.

This course offers students the opportunity to further develop their communication skills in Spanish, focusing on the present and past tenses. Study of geography and cultures of the Spanish-speaking world will continue.

## **\*SPANISH 3 HNR**

CRS 100253 Grades 9-12 CR 1 S 1 block

PREREQUISITE: Spanish 2 and teacher recommendation.

Through exposure to many tenses and more advanced grammatical topics, students will learn to enhance their interpersonal and presentational communication skills, along with their comprehension of written and spoken Spanish. Exposure to a variety of written and audio-visual works offers insight into the culture of the Spanish-speaking world. It should be noted that HONORS courses move at a faster pace than ENR level courses and demand a greater workload.

## **SPANISH 4 HNR**

CRS 100273 Grade 10-12 CR 1 S 1 block

PREREQUISITE: Spanish 3 and teacher recommendation.

The focus of this course is on cross-border comparisons. Communication and comprehension skills are further developed through exposure to a variety of readings and audio-visual sources such as poems, stories, and movies. More advanced grammar topics are taught and practiced in all areas of communication. Classes are conducted mostly in Spanish. It should be noted that HONORS courses move at a faster pace than ENR level courses and demand a greater workload.

## **SPANISH 5 HNR**

CRS 100293 Grades 11-12 CR 1 S 1 block

PREREQUISITE: Spanish 4 and/or teacher recommendation

The focus of this course will be on current topics within the Spanish-speaking world. Communication skills and cultural awareness will be enhanced by daily speaking and writing activities. Reading and listening materials will primarily come from materials prepared for native speakers. Class will be conducted almost exclusively in Spanish.

**SPANISH Advanced Studies**

CRS 100283 Grades 11-12 CR 1 S 1 block

PREREQUISITE: Spanish 4 and/or teacher recommendation.

This course is available to students who are interested in advancing their knowledge of the Spanish language and Hispanic cultures. Native speakers, heritage language learners, and students interested in AP level work are encouraged to take this course. Its focus will be on current topics with the Spanish-speaking world and also based on student interest. Classes will be conducted almost exclusively in Spanish. Communication, grammar skills and vocabulary will be developed through the use of authentic materials. This course may run concurrently with Spanish AP, or Spanish 5.

**SPANISH AP**

CRS 100314 Grades 11-12 CR 2 Y 1 block

PREREQUISITE: Spanish 4 and/or teacher recommendation.

Spanish AP is a nationally standardized course. The use of language for active oral and written communication is emphasized to help the student develop the ability to understand Spanish in various contexts. Vocabulary will be expanded by reading newspapers, magazine articles, and literary texts without the use of a dictionary. The course will also expand the student's understanding of the Spanish speaking culture. Students will gain the ability to express themselves with reasonable fluency and accuracy in both written and spoken Spanish. Students may take the Advanced Placement Spanish Exam for college credit as per University or college policy.

## Career and Technical Exploratory Courses

All Career and Technology Exploratory Courses are designed for students to investigate the nature of technology as it applies to potential career pathways, technical-industrial methods, daily living, consumer choice, the environment, hobbies, and the development of attitudes and skills necessary for potential success in both college and careers. Students use problem solving techniques to plan for, design, create and experiment with technology. By working with tools, materials and power equipment, students relate academic education topics to occupational and leisure activities. Students gain meaningful and practical experience through applied and performance based instruction and assessment to obtain knowledge, skills, and content in both the classroom and lab settings. All students should consider a career and technical component to enhance their high school educational experience.

Course	CRS#	Grade	Credit	Length	4 <sup>th</sup> Math Experience
Blueprint Reading/CAD Drafting ENR	140422	9-12	1/2	Quarter	
Graphic Design - Exploring	140151	9-10	1/2	Quarter	
HVACR – Exploratory	140701	9-10	1/2	Quarter	
Introduction to Photography & Video	140501	9	1/2	Quarter	
Introduction to Programming	140391	9-11	1/2	Quarter	
JA Finance Park - Exploratory	070701	9-12	1/2	Quarter	
Myth Busters – S.T.E.M.	140461	9-10	1/2	Quarter	
PC Repair & Maintenance	140381	9-11	1/2	Quarter	
Precision Machining - Exploring	140481	9-10	1/2	Quarter	
Restaurant Careers – Exploring	140271	9-10	1/2	Quarter	
Robotics	140471	9-12	1/2	Quarter	

### BLUEPRINT READING/CAD Drafting ENR

CRS 140422 Grade 9-12 CR 1/2 1 block

Students will learn how to create designs with the use of computer aided design software and how to use these designs to manufacture everyday objects. Computer software such as AutoCAD and Solid works will be explored. After completion of this course students will be able to interpret and design any object for manufacturing. Topics included, but not limited to: safety, blueprint reading, computer design, math, physics, and manufacturing skills. This course is designed for students considering entering the manufacturing/engineering field or other careers where blueprints and following plans are important.

### GRAPHIC DESIGN - EXPLORING

CRS 140151 Grade 9-10 CR 1/2 Q 1 block

In today's digital world, graphic design is everywhere. You can see it in advertising, logo design, fashion prints, social media and on your favorite products. This class introduces you to the world of image composition and how to thoughtfully create a graphic. You will also have the opportunity to learn the basics of Adobe Photoshop and Illustrator software, and how to make lasting digital images, as well as creatively edit photos. Successful completion of this exploratory course is strongly encouraged to apply to the Graphic Design CTE Program. **Note: This course will fulfill the fine arts requirement for graduation.**

### HVACR – EXPLORATORY

CRS 140701 Grade 9-10 CR 1/2 Q 1 block

The U.S. Bureau of Labor expects the nationwide demand for trained HVAC specialists to continue to grow due to advances in technology and an aging workforce. Explore the introductory skills required in installing, servicing and repairing air conditioning, refrigeration and heating equipment in commercial and residential settings.

### INTRODUCTION TO PHOTOGRAPHY & VIDEO

CRS 140501 Grade 9 CR 1/2 Q 1 block

This course is open only to ninth graders only. Students will be introduced to the field of photography & video. This introductory course will cover the use of a DSLR Camera for photography and video. Digital post processing on the computer will be covered. This class is the perfect stepping-stone to CTE Digital Photography & Video Production Course for those students that have a real passion to express themselves in the field of photography and video. Students are required to obtain and keep an SD memory card of 2GB capacity or larger. **This course will fulfill the fine arts requirement graduation.** Successful completion of this exploratory course is strongly encouraged to apply to the Video and Photo Arts CTE Program.

### INTRODUCTION TO PROGRAMMING

CRS 140391 Grade 9-11 CR 1/2 Q 1 block

In Introduction to Programming students will explore many aspects and careers in computer programming. Students will learn how to code and design basic apps. Students will explore the basics of PC software programming concepts using various programming languages. Successful completion of this exploratory course is strongly encouraged to apply to the Computer Technology CTE Program.

### JA FINANCE PARK- EXPLORATORY

CRS 070701 Grades 9-12 CR ½ Q 1 block

Students will have the opportunity to build and develop personal money management skills, acquire personal financing knowledge and prepare for financial decisions and challenges in their adult lives. Within the course students will make financial decisions relating to their careers, income, expenses, savings, credit and more. The course will be taught in a Project-Based Learning format with the culmination of the course being a hands-on virtual budgeting simulation along with a student presentation that encompasses what they have been taught throughout the course.

### MYTH BUSTERS- S.T.E.M.

CRS 140461 Grade 9-10 CR 1/2 1 block

This course is designed to combine Science, Technology, Engineering, and Math into real life application and problem solving. Each week there will be a new "Myth" to solve using S.T.E.M. Students will enjoy this hands on course and learn valuable problem solving methods. Students will be exposed to a variety of courses taught within the Technology Center and use their resources to build projects to test their "myths".

**PC REPAIR & MAINTENANCE**

CRS 140381 Grade 9-11 CR 1/2 Q 1 block

Through hands-on activities, tests and laboratory exercises PC Repair and maintenance will focus on the skills needed to keep your computer in good running condition. Among the subjects discussed will be operating system installation, virus/malware protection and removal, backing up and restoring PC software and data, installing and removing software and more. Successful completion of this exploratory course is strongly encouraged to apply to the Computer Technology CTE Program.

**PRECISION MACHINING- EXPLORING**

CRS 140481 Grades 9-10 CR 1/2 Q 1 block

Students will be exposed to and learn the beginning phases of the machining trade through extensive class instruction focusing on safety, testing and performance assessments, machine tool history, metrology, basic blueprint reading, hands on demonstrations, hands on experiences projects based on actual machining operations in the machining trade performed in the Machine Tool Lab (Manual Machining Lathe, and Mill), MIT college level machine tool instructional videos. Exploratory students will gain the understanding of what precision machining is through real time machine shop safety practices which will include step by step, organized, and planned out structured courses to prepare them for possible employment in manufacturing. Students will be exposed to an intensive course layout with an instructor from industry. Successful completion of this exploratory course is strongly encouraged to apply to the Precision Machining CTE Program.

**RESTAURANT CAREERS - EXPLORING**

CRS 140271 Grade 9-10 CR 1/2 Q 1 block

Restaurant Careers will offer students who have an interest in the food service industry the opportunity to explore possible careers. Careers to be explored include: chef, kitchen manager, front of house manager, server, host as well as catering opportunities. Students will also work periodically in the Our House café. Successful completion of this exploratory course is strongly encouraged to apply to the Restaurant Management CTE Program.

**ROBOTICS**

CRS 140471 Grade 9-12 CR 1/2 Q1 block

Students will build robots capable of being controlled with a remote and computer programmed to follow complex commands. Vex platforms will be the base building components to these robots. Students with a strong desire to continue on into the field of engineering will enjoy this class. Topics include: Safety, building with motors and gears, computer programming robots, practical applications of robots in today's industry. Topics include: Safety, computer programming, STEM, physics, manufacturing skills. This course is designed for students considering entering the manufacturing/engineering field.

### College & Career Readiness or Preparedness Courses

Prepare for life after high school and take advantage of courses specific to your long-term goals. Students will research career options, experience internships at local businesses, prepare for college admission, and experience the virtual classroom through these course offerings.

Course	CRS#	Grade	Credit	Length
Career Internship		10-12	Varies	Varies
English Language Arts SAT Prep VLACS		10-12	1/2	Quarter
Math SAT Prep VLACS		10-12	1/2	Quarter
Senior Exiting Career Planning	150611	12	1/2	Semester- MINI
Senior Exiting College Planning ENR	150712	12	1/2	Semester- MINI
Work Experience		9-12	1/2	Quarter

### ENGLISH LANGUAGE ARTS SAT PREP VLACS

Grades 10-12 CR1/2 Q 1 block

This course is a VLACS course and “will focus on English and Language Arts (ELA) critical thinking skills and is appropriate for students looking to review these skills in preparation for standardized tests such as the SAT, ACT and Common Core Standards Assessment. The course begins with an overview of techniques relating to critical thinking and test taking, followed by a sample standardized assessment. Students will then explore topics including vocabulary, reading skills and writing skills.”

### MATH SAT PREP VLACS

Grades 10-12 CR1/2 Q 1 block

This course is a VLACS course and “will focus on math critical thinking skills, and is appropriate for students looking to review these skills in preparation for standardized tests such as the SAT, ACT and Common Core Standards Assessment. The course begins with an overview of techniques relating to critical thinking and test taking, followed by a sample assessment. Students then explore topics including integers, statistics, algebra, geometry, charts and graphs.”

### SENIOR EXITING CAREER PLANNING

CRS 150611 Grade 12 CR 1/2 S MINI

This course is designed for seniors who intend to apply to a 2-year college with rolling admissions or technical college or who are planning direct entry into the workforce. Students will participate in the following activities: explore career options, set short-term and long-term goals, identify marketable skills, research the job market, practice interview skills, prepare job and college applications, prepare a cover letter, complete a resume, and prepare a portfolio for presentation. Note: Offered second quarter only.

### SENIOR EXITING COLLEGE PLANNING ENR

CRS 150712 Grade 12 CR 1/2 S MINI

PREREQUISITE: Minimum 2.0 GPA

This course is designed for seniors who are preparing to attain a 4- year college degree or higher. The seniors in this section will narrow their college choices, prepare for college interviews, write three college essays, finalize a minimum of three college applications, research scholarships and career options, and prepare a portfolio for presentation. Students applying for early action or early decision should notify guidance to ensure first quarter enrollment. Note: Offered first quarter only.

### EXTENDED LEARNING OPPORTUNITIES

ELOs are approved alternative experiential learning opportunities which take place outside of the structured program of studies, but which align to existing course competencies and corresponding rubrics. The goal is for students to demonstrate their mastery of course competencies through extended learning: “through instruction or study outside of the traditional classroom methodology.” (NHDOE) Students can complete up to 1 ELO credit during their duration at SHS. Students can earn 0.5 credits per ELO. The ELO Coordinator is located in The School Counseling office.

**Internship:** An internship with an employer that leads to academic credit or satisfaction of competencies.

**Independent Study:** Independent studies that lead to academic credit or satisfaction of competencies.

**Work Based Learning:** Employment activities not otherwise considered to be internships or apprenticeships and that leads to academic credit or satisfaction of course competencies.

**Teacher Assistant :** Serving as a Teacher Assistant is an opportunity for a new kind of learning to take place for a student that has successfully completed the course. In this role students will provide support to classroom teachers. Each Teacher Assistant ELO includes Work-Study Practices and Education and Training competencies that have been created by the New Hampshire Department of Education. This option is only available to juniors and seniors.

### Advanced Composites Manufacturing (ACM) Program

The goal of the Advanced Manufacturing program is to prepare students to work in the advanced composites manufacturing industry, including aerospace, automotive, wind energy, and others. Advanced manufacturing is part of the state’s largest industry sector, making up 19% of New Hampshire’s economy. The economic impact of jobs in advanced manufacturing far exceeds that of jobs in other industries. This two year program is offered as Dual Enrollment/Running Start in partnership with Great Bay Community College. Year 1 classes will be offered onsite at Spaulding High School and taught by our faculty. Year 2 classes will be offered at the Great Bay Rochester campus which is within walking distance to Spaulding High School. Instruction throughout the program will incorporate hands-on lab work, discussion, demonstration, lecture, and assigned readings.

**Year 1: Organizational Communications, Introduction to Computers & Blueprint Reading**

### **GBCC Organizational Communications @ SHS**

CRS 0801074 Grade 11-12 CR 1 Q block

Effective communication is the lifeblood of an organization; it is also the foundation of a successful business career. This course will focus on the methods and techniques necessary to utilize facts and inferences, understand communication strategies, create logical presentations, and develop critical skills in listening, speaking, and writing. Students will also gain an understanding of nonverbal, visual, and mass communication. **BUS210 Organizational Communications:**

### **GBCC Intro to Computers @SHS**

CRS 0801064 Grade 11-12 CR 1 Q block

As a foundation course to gain computer literacy, students will use a fully integrated, hands-on approach to understand the critical components of computer technology. Students will examine personal computer hardware and software components, gain proficiency in the Windows operating system environment and learn the fundamental elements of Office Application Software including word processing, spreadsheets, presentation software, and database applications. Students will also explore various facets of the Internet including using the internet for research, working with online learning tools, evaluating electronic information, safeguarding data, proper use of email and other current web technologies. **CIS110 Introduction to Computers:**

### **GBCC Blueprinting @SHS**

CRS 0801024 Grade 11-12 CR 1 Q block

Students will learn to read blueprints and develop an understanding of how blueprints provide information necessary to control the manufacturing operation and quality outputs. Topics include terminology, standard abbreviations, the different types of lines on a blueprint, and reading different views. Major concentration will be towards ISO standards and geometric definitions, including profiles, parallelism, and true position. Focus will be on both paper and electronic formats. Students will be introduced to CAD environment processes throughout the course. The English inch and Metric dimensional examples will be included. **ACM 120: Blueprint Reading**



# CRETEAU TECHNOLOGY CENTER



Spaulding High School students can apply to enroll in one of the Career Technical Center (CTC) program offerings at the three CTCs that serve the Tri-City area:

R. W. Creteau Career Technical Center at Spaulding High School (Rochester)

Dover High School/Regional Career Technical Center

Somersworth High School/Career Technical Center

Each CTC provides students with the opportunity to study their career interests by enrolling in one of the CTC's programs. By combining a CTE program with an appropriate sequence of high school courses (refer to the Career Clusters plans of study), students will prepare themselves for a variety of options after high school, including four-year and two-year college programs, apprenticeships, and entry-level positions in their career field.

CTE programs are not simply electives. Most CTE programs are two years in length and a student can start in their Sophomore year, though most students start in their Junior year. They are designed to develop the technical, academic and employability skills that will help students become successful members of today's workforce. We are looking for students who are genuinely interested in enrolling in a CTE program and willing to make the two-year commitment to complete the program.

## Enrollment Information:

Students interested in Dover or Somersworth programs must complete an application. In the spring of 2016, the Tri-City CTCs began using an online application called Enroll Track. The link to the online application is <https://tricity.enrolltrack.com/>. To complete the application, students must have an active email address and be able to provide an email address for their parent/guardian. Students who have any questions about the application process should see their School Counselor, the Director of CTE, or the Teacher of the CTE Program they are interested in.

Students should know that completing an application does not guarantee acceptance into the CTE program they are applying for. There are many factors that are considered including each student's grades, discipline record and attendance record. There are also limits on how many students can be enrolled in each CTE program. Students are encouraged to list a second choice in case their first choice is not available.

Students will be enrolled based on the following priorities:

### 1. Grade in School

Priority is given to students who can complete a full program.

### 2. Student Records

Transcript/Grades

Attendance Record

Discipline Record

Students will be notified by email of their application status. The high school guidance counselors will also be notified so that they can work with the student to create a course schedule that can best accommodate the CTE program and the student's required academic coursework.

## Additional factors to consider when choosing to apply to a CTE program:

Students need to demonstrate the willingness to engage in the course content and are expected to adhere to the attendance policy in place at the CTC. Students should be aware that their acceptance into a CTE program can be revoked at any time. Unwillingness to actively participate and/or excessive absences could result in removal from the program.

Because of the nature of many of our programs, students need to be able to demonstrate the ability to adhere to safety rules so as to not endanger themselves or others. Student misconduct will not be tolerated and could be grounds for removal from the program. Students who cannot exhibit safe behavior will be removed from the program.

Students should be aware that the courses that comprise each CTE program are not offered each block. Students should speak with their guidance counselor to determine when during the school day the different courses are offered. For those students who are considering a program at either Dover or Rochester, they should understand that each school runs on its own daily schedule. Additionally, buses are available to take students back and forth to the schools but the travel time to and from Dover and Rochester may have an adverse effect on a student's course schedule in Somersworth. **Meeting academic requirements for graduation must be the priority when scheduling a student who has been accepted into a CTE program.** Students, parents and guidance counselors need to carefully consider the impact of participating in an off-campus CTE program as they make decisions about the student's yearly course schedule. Once enrolled, students are expected to stay enrolled in that course until the end of the semester or year (whichever is the case). When extenuating circumstances exist, students may be allowed to drop a full-year course at the end of the first semester, but they will NOT receive credit for partial completion. Students should also be aware that only second semester courses can be added if the student has taken the necessary prerequisite. No students will be allowed to add a full-year course in the second semester.

Career Technical Education includes Professional & Employability Standards (Soft Skills) that students should be consistently demonstrating in Year 1 of a program. If a student is not demonstrating these skills, there may be concerns regarding the student's ability to continue into Year 2 of the program. Our desire is to always support students in completing their CTE Program - Program teachers will communicate concerns with students and families. If a student is unable to show improvement in the identified areas, at the program teacher's discretion, they may not be able to continue into Year 2 of a program.



**Program Offerings** the following table identifies which CTE programs are offered at each Career Technical Center.

<b>Rochester CTE Programs</b>	<b>College Credit</b>	<b>Page</b>
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Architectural/Mechanical Engineering	3	52
Automotive Service Technology	4	52
Banking and Financial Services	3	53
Business Commerce	12	53
Computer Networking & Telecommunications	3	54
Criminal Justice & Homeland Security	12	55
Environmental Science & Sustainable Studies		55
Teacher of Multiple Levels previously known as Foundations of Education Program	6	56
Graphic Design	3	56
Health Science Technology	3	57
Heating, Ventilation, Air Conditioning, and Refrigeration HVACR	6	57
Precision Machining	7	58
Restaurant Management	12	58
Video & Photographic Arts	3	59
<b>Dover CTE Programs</b>		<b>Page</b>
Animal Science/Veterinary Science		60
Automotive Collision and Repair		60
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Seacoast Firefighter/EMS C.A.D.E.T		63
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<b>Somersworth CTE Programs</b>		<b>Page</b>
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## Accounting Program

**Program Course Sequence**

*Year 1 – Accounting I and Accounting II (Two semester-long courses)*

Program Description: Why Choose Accounting? You may already have an idea about what you want to do for a career. Then again, maybe you're not so sure. Either way, there's one degree that gives you the education to succeed at just about anything in the business world. It's an accounting degree. Accounting opens doors in every kind of business coast to coast. It can give you the foundation you need to go on and become a CPA. It can prepare you to become a partner in an accounting firm, to pursue a career in finance or corporate management, to work in government, or even to become an entrepreneur. In fact, no matter what you decide to do, having an accounting background can open doors wide. You can work as an accounting technician/bookkeeper while in college or after graduating from high school and according to the US Department of Labor you will earn an average of \$18.13/hour. The two courses offered in the CTE Accounting Program are both offered for Running Start credits and if you successfully complete the courses, they will directly transfer to the Peter T. Paul College at UNH as ADMN 502: Introduction to Financial Accounting.

**ACCOUNTING I HNR (π) – Running Start**

CRS 070013 Grades: 11-12 CREDIT 1 (fall semester course, CTE Program)

PREREQUISITE: Acceptance into the Accounting program

This course is an introduction to accounting as the language of business and the purpose of accounting in business. Students will develop an understanding of the concepts and use of the classification of assets, liabilities, equity, revenue and expense accounts. The student will be introduced to accounting procedures necessary to prepare financial statements utilizing current concepts and accounting principles. This includes journalizing transactions, preparation of trial balance, accounting adjustments, closing journal entries, inventory, accounts receivable, accounts payable, special journals, payroll, cash receipts, disbursements, and banking procedures. **Note: Students taking this course will have the option of earning three college credits. There would be a fee associated with this option.**

**ACCOUNTING II HNR (π) – Running Start**

CRS 070023 Grades: 11-12 CREDIT 1 (spring semester course, CTE Program)

PREREQUISITE: Successful completion of Accounting I

This course consists of a more in-depth study of accounting procedures and concepts. An emphasis is placed on accounts from the balance sheet such as accounts and notes receivable; plant, property and equipment; and current and long-term liabilities. This course will also involve comparing and contrasting sole proprietorships, partnerships and corporations, as well as capital stock and stock transactions. The student will learn to use financial ratios to measure financial strength, profitability and liquidity. **Note: Students taking this course will have the option of earning three college credits. There would be a fee associated with this option.** The successful completion of Accounting 1, HNR AND Accounting 2, HNR will transfer to the Peter T. Paul College at UNH and replace ADMN 502: Introduction to Financial Accounting, a requirement of various business majors.

## Advanced Manufacturing and Millwork

**Program Course Sequence**

*Year 1 - Advanced Manufacturing/Millwork I (Full year, one block course)*

*Year 2 - Advanced Manufacturing/Millwork II (Full year, one block course)*

**ADVANCED MANUFACTURING/MILLWORK I ENR (π)**

CRS 080952 Grades 10-11 CREDITS 2 (Full year course, CTE Program)

PREREQUISITE: Acceptance into the Advanced manufacturing and Millwork program.

During the first year students learn basic manufacturing skills as they apply to industry through project-based learning. Students will be able to utilize technology and machinery. From hand tools to computer numerical control (CNC) machines. Students will work with a variety of materials, such as wood, metal, plastics, composites, etc. Students will collaborate with the engineering program as well as the Machine tool program to have access to more technology. This is a hands on, Lab-based, course where safety and career preparation is one of the most important skills.

**ADVANCED MANUFACTURING/MILLWORK II ENR (π)**

CRS 080982 Grades 11-12 CREDITS 2 (Full year course, CTE Program)

PREREQUISITE: Successful completion of Advanced Manufacturing/Millwork 1.

During the second year students will expand upon their projects using more in-depth computer-aided design (CAD) as well as computer numerical control (CNC) programming. Students will develop a deeper understanding of the manufacturing process. They will have the opportunity to problem-solve in the creation and modification of projects across design, wood-working and machining areas to simulate industry. Career preparation to enter into the manufacturing field is a major focus and is highly desired within our Rochester area.

## AFJROTC Aerospace Science and Leadership Education

Air Force Junior Reserve Officer Training Corps (AFJROTC) is a program designed to develop citizens of character dedicated to serving their nation and community. **There is no military obligation associated with this program.** Each AFJROTC class consists of three components— aerospace science, leadership education, and a wellness program. To reinforce what is taught in the classroom, students participate in many outside activities such as field trips to military bases, aerospace facilities and industries, museums, civilian airports and other areas related to aerospace education which may also include flights on civilian or military aircraft. AFJROTC units also offer the opportunity to participate in co-curricular activities to include competition drill team, remote control aircraft and rocketry clubs, cadet leadership courses, and honorary academic groups. While there is no military obligation associated with AFJROTC courses, there are several benefits available to students interested in military service. Students interested in pursuing a commission have added opportunity to apply for admission to a service academy and compete for college ROTC scholarships. Students who enlist graduate from basic training at one or two higher pay grades than other graduates (depending on branch of service). Students who complete three AFJROTC courses earn two college credits in the Southern New Hampshire University course OL 105 Foundations of Management. Students who complete four AFJROTC courses earn three college credits in SNHU course OL 215 Principles of Management. **Students enrolled in an AFJROTC course each year for four years satisfy the graduation requirement for their second PE course. AS 220 Cultural Studies can be taken as a substitute for Global Studies.**

As part of the CTE program, students may pursue the Unmanned Aircraft Systems (UAS/Drone) certification and the ground training for a private pilot certificate. For the UAS certification, students take both Science of Flight courses, AS 200 Physics of Flight followed by AS 200 UAS/Drone. Once complete, students can continue on to pursue their ground portion of the private pilot certificate by taking Aviation Ground School.

Course	CRS#	Grade	Credit	Length	4 <sup>th</sup> Math Experience
AS 100 Journey Into Aviation History Through WWI	0801031	9-12	1	Semester	
AS 100 Journey Into Aviation History WWII and Beyond	0801041	9-12	1	Semester	
+AS 200: The Science of Flight: Physics of Flight	0801051	9-12	1	Semester	π
+AS 200: The Science of Flight: UAS/Drone	0801061	10-12	1	Semester	π
AS 220: Cultural Studies: Middle East/Asia/Africa	0801071	9-12	1	Semester	
AS 220: Cultural Studies: Europe/Russia/Latin America	0801081	9-12	1	Semester	
+AS 500 Aviation Ground School	0801091	11-12	2	Year	π
AS 600 Cadet Leadership Course	0801111	10-12	1/2	5 Day Summer	
+ENR or HNR credit available with contract					

**\*AS 100: A JOURNEY INTO AVIATION THROUGH WWI (previously known as A JOURNEY INTO AVIATION HISTORY 1)**

CRS 0801031 Grades 9-12 CR 1 S 1 block

This is an aviation history course focusing on the development of flight throughout the centuries. It starts with ancient civilizations, then progresses through time to airpower in WWI. The emphasis is on civilian and military contributions to aviation. Throughout the course, there are readings, videos, hands on activities, and in-text and student workbook exercises to guide in the reinforcement of the materials. Leadership education, drill, and health and wellness are integral parts of the course.

**\*AS 100: A JOURNEY INTO AVIATION WWII AND BEYOND (previously known as A JOURNEY INTO AVIATION HISTORY 2)**

CRS 0801041 Grades 9-12 CR 1 S 1 block

This aviation history course focuses on airpower during WWII and the transformation of the Air Force. Throughout the course, there are readings, videos, hands on activities, and in-text and student workbook exercises to guide in the reinforcement of the materials. Leadership education, drill, and health and wellness are integral parts of the course.

**AS 200: THE SCIENCE OF FLIGHT: PHYSICS OF FLIGHT + (previously known as THE SCIENCE OF FLIGHT: A GATEWAY TO NEW HORIZONS1)**

CRS 0801051 Grades 9-12 CR 1 S 1 block

This is an introductory course that focuses on how airplanes fly, flight and the human body, and flight navigation. The course is designed to complement materials taught in math, physics, and other science-related courses and is aligned with the National Science Education Standards, the Math Standards and Expectations, and ISTE National Educational Technology Standards for Students. Leadership education, drill, and health and wellness are integral parts of the course. **+ENR or HNRS credit available with contract.**

**AS 200: THE SCIENCE OF FLIGHT: UAS/DRONE + ENR or HNR credit available with contract**

PREREQUISITE: Successful completion of AS 200: The Science of Flight: Physics of Flight

CRS 0801061 Grades 10-12 CR 1 S 1 block

This course follows the Physics of Flight course and prepares the student for the FAA Drone/UAS pilot written test and certification as a drone pilot. Content includes the flying environment and UAS/Drone operations with hands-on activities with state of the art equipment. The course is designed to complement materials taught in math, physics, and other science-related courses and is aligned with the National Science Education Standards, the Math Standards and Expectations, and ISTE National Educational Technology Standards for Students. Leadership education, drill, and health and wellness are integral parts of the course. **+ENR or HNRS credit available with contract.**

**AS 220: CULTURAL STUDIES: MIDDLE EAST/ASIA/AFRICA previously known as CULTURAL STUDIES: An Introduction to Global Awareness**

CRS 0801071 Grades 9-12 CR 1 S 1 block

This is a customized course and introduces students to the world's cultures through the study of world affairs, regional studies, and cultural awareness in the Middle East, Asia, and Africa. The course delves into history, geography, religions, languages, culture, political systems, economics, social issues, environmental concerns, and human rights. It looks at major events and significant figures that have shaped each region. Throughout the course, there are readings, video segments, hands-on activities, other optional activities, technology enrichment, and assessments to guide in the reinforcement of the materials. Leadership education, drill, and health and wellness are integral parts of the course. **Note: This class will fulfill the Global Studies requirement for graduation.**

**AS 220: CULTURAL STUDIES: EUROPE/RUSSIA/LATIN AMERICA previously known as CULTURAL STUDIES: An Introduction to Global Awareness**

CRS 0801081 Grades 9-12 CR 1 S 1 block

This is a customized course and introduces students to the world's cultures through the study of world affairs, regional studies, and cultural awareness in Europe, Russia, and Latin America.. The course delves into history, geography, religions, languages, culture, political systems, economics, social issues, environmental concerns, and human rights. It looks at major events and significant figures that have shaped each region. Throughout the course, there are readings, video segments, hands-on activities, other optional activities, technology enrichment, and assessments to guide in the reinforcement of the materials. Leadership education, drill, and health and wellness are integral parts of the course. **Note: This class will fulfill the Global Studies requirement for graduation.**

**AS 500: AVIATION GROUND SCHOOL +ENR or HNR credit available with contract (π)**

CRS 0801091 Grades 11-12 CR 2 Y 1 block

PREREQUISITE: Approval by AFJROTC Senior Aerospace Science Instructor

This course is the foundation for students interested in careers in aviation and fulfills all of the Federal Aviation Administration (FAA) ground training requirements to take the private pilot knowledge test, satisfying the ground portion required to certify as a private pilot. The material covered is an advanced, more in-depth study of aerospace topics. Students will study aircraft systems, aerodynamics, meteorology, flight physiology, and aerial charts and navigation. Additionally, students will explore careers in the aviation industry. Students have the opportunity to take control of a Cessna 172 during an orientation flight originating out of Skyhaven Airport. Leadership education, drill, and health and wellness are integral parts of the course.

## **AS 600 - CADET LEADERSHIP COURSE (CLC)**

CRS 0801111 Grades 10-12 CR 1/2 five days/off-site

PREREQUISITE: One JROTC class.

Students are exposed to advanced leadership material and concepts during an intensive five day/four night encampment at an off-site location. Students learn and experience leadership and teamwork through hands-on activities including Group Leadership Problems (GLPs), athletics and military drill. Spaulding students join other Air Force JROTC students from Salem and Alvirne High Schools. Note: This class is not one of your eight credit classes. Enrollment applications are submitted through the AFJROTC instructors.

## **Architectural/Mechanical Engineering**

### **Program Course Sequence**

*Year 1 - Architectural/Mechanical Engineering I (Full year, one block course)*

*Year 2 - Architectural/Mechanical Engineering II (Full year, one block course)*

### **ARCHITECTURAL/MECHANICAL ENGINEERING I ENR - (AutoCAD Drafting) (π)**

CRS 0800012 Grades: 11 CREDITS 2 (Full-year course, CTE Program)

### **ARCHITECTURAL/MECHANICAL ENGINEERING I HNR - (AutoCAD Drafting) (π)**

CRS 0800013 Grades: 11 CREDITS 2 (Full-year course, CTE Program)

PREREQUISITE: Acceptance into the Architectural/Mechanical Engineering program.

During the first year students learn basic drafting techniques as they apply to industry. Hands on approach to computer aided drafting (CAD) are emphasized. Students will be able to utilize technology such as the 3-D Printer, Laser engraver, and CNC machinery to take ideas into real life objects. Students will explore all aspects of engineering including Mechanical, Architectural, Environmental, and others to understand how engineers can solve real world problems and better our society. Topics include: Safety, computer programming, STEM, drafting, physics, manufacturing skills. Students choosing to enroll in this course at the honors level will be required to complete more rigorous work and sign an honors contract. **Note: This course will fulfill the fine arts requirement for graduation**

### **ARCHITECTURAL/MECHANICAL ENGINEERING II ENR (AutoCAD Drafting) (π)**

CRS 0800022 Grades: 12 CREDITS 2 (Full-year course, CTE Program)

### **ARCHITECTURAL/MECHANICAL ENGINEERING II HNR (AutoCAD Drafting) (π)**

CRS 0800023 Grades: 12 CREDITS 2 (Full-year course, CTE Program)

PREREQUISITE: Successful completion of Architectural/Mechanical Engineering I

During the second year students expand upon their experience in CAD and specialize in a field of engineering (Mechanical, Architectural, Environmental, Aerospace, etc.) This course is designed to be very individualized to meet the student's interests within engineering. Students will continue to utilize technology such as the 3-D Printer, Laser engraver, and CNC machinery to take ideas into real life objects. Students will develop a website portfolio to showcase all of their engineering success and market themselves to compete in today's exciting, rewarding engineering field. Topics include: Safety, computer programming, STEM, drafting, physics, manufacturing skills. Students choosing to enroll in this course at the honors level will be required to complete more rigorous work and sign an honors contract. **Note: This course will fulfill the fine arts requirement for graduation. Note: This program has articulation agreements with Southern Maine Community College**

## **Automotive Service Technology**

### **Program Course Sequence**

*Year 1 – Automotive Service Technology I (One full-year course)*

*Year 2 – Automotive Service Technology II (One full-year course)*

### **AUTOMOTIVE SERVICE TECHNOLOGY I ENR (π)**

CRS 080132 Grades: 11 (Grade 12 on space available basis) CREDITS 2 (Full-year course, CTE Program)

PREREQUISITE: Acceptance into the Automotive Service Technology program

The purpose of this course is to train future technicians in the fundamentals of automotive theory, maintenance, diagnosis and repair. During this course students will learn about tools, fasteners, engine design and theory, steering and suspension, brakes, electrical/electronics and engine performance. Students will have the opportunity to reinforce theory with hands-on experiences and by participating in live repairs. Students are permitted to work on personal vehicles on a limited basis and are eligible to join SkillsUSA and compete in several competitions. **NOTE: Clothes that can get dirty, long pants, and boots are required to be worn when in the lab setting.**

### **AUTOMOTIVE SERVICE TECHNOLOGY II ENR – Running Start (π)**

CRS 080152 Grades: 12 CREDITS 2 (Full-year course, CTE Program)

PREREQUISITE: Successful completion of Automotive Technology I, maintain a clean driving record

The purpose of this course is to train future technicians in the fundamentals of automotive theory, maintenance, diagnosis and repair. During this course students will learn more in-depth topics relating to the ASE areas of brakes, steering and suspension, electrical and electronics, and engine performance. Students will have the opportunity to reinforce theory with hands-on experiences and by participating in live repairs. Students are permitted to work on personal vehicles on a limited basis and are eligible to join SkillsUSA and compete in several competitions. **NOTE: Clothes that can get dirty, long pants, and boots are required to be worn when in the lab setting. Note: Students taking this course will have the option of earning Four college credits. There would be a fee associated with this option.**

## Banking and Financial Services Program

### Program Course Sequence

Year 1 – Banking and Financial Services year-long

#### BANKING AND FINANCIAL SERVICES I ENR (π)

CRS 070672 Grades: 11-12 CREDITS 2 (Full-year course, CTE program)

#### BANKING AND FINANCIAL SERVICES I HNR (π)

CRS 070683 Grades: 11-12 CREDITS 2 (Full-year course, CTE program)

**PREREQUISITE:** Acceptance into the Banking and Financial Services program. Students are required to submit with the application: two teacher recommendations and their resume. An interview with the instructor is also required. Students must have a minimum GPA of 2.25. Students choosing to enroll in this course at the honors level will be required to complete more rigorous coursework and sign an honors contract.

The HRCU branch is opened to the school as well as the public providing an excellent opportunity for "hands-on" learning and exposure to all aspects of banking. Students will be trained as professional HRCU tellers. As a teller they will learn how to handle different transaction types, maintain and balance cash drawers, be familiar with HRCU's products and services, negotiable instruments, and learn basic customer service skills as well as professionalism. They will also become knowledgeable in the many different departments and aspects of banking such as compliance, accounting, Federal Regulations, investments, insurances, lending, marketing, and the history and structure of credit unions. There will be job shadow days to the Brock Street Branch and other departments. Professional dress and appearance will be required. Opportunities for community service events and financial education outreach may also occur, along with the planning of CU 4 Reality event held at the high school. **NOTE: Students will be held to professional standards and adhere to HRCU's policies and procedures. Students taking this course will have the option of earning three college credits. There would be a fee associated with this option.**

## Business Commerce Program

### Program Course Sequence

Year 1 – Business Management and Marketing (Two semester-long courses)

Year 2 – International Business and Entrepreneurship: Small Business Management (Two semester-long courses)

#### BUSINESS MANAGEMENT ENR

CRS 070622 Grades 11-12 CREDIT 1 S 1 block

#### BUSINESS MANAGEMENT HNR

CRS 070623 Grades 11 (12 on a space available basis) CREDIT 1 S 1 block

**PREREQUISITE:** Acceptance into the Business and Commerce program.

Every business needs a manager. It doesn't matter if you are in an office or a construction site, someone is in charge. This course is designed to prepare students for the business world. In this course, students will develop and improve management techniques. They will also enhance their computer skills through practical business applications. They will work cooperatively on activities and team-building activities. Presentation and reviews will be a major part of the class. Students will complete simulations and learn how to succeed in a business environment. The course will provide the students with opportunities to experience real-world scenarios, including working in the Retail Learning Lab, The Raider Shack. Students will also have the opportunity to join the Future Business Leaders of America (FBLA), where they can participate in community service and compete in business events. Students choosing to enroll in this course at the honors level will be required to complete more rigorous coursework. **Note: Students taking this course at the HONORS LEVEL ONLY will have the option of earning three college credits. There would be a fee associated with this option.**

#### ENTREPRENEURSHIP: SMALL BUSINESS MANAGEMENT ENR

CRS 070642 Grades 11-12 CREDIT 1 S 1 block (Spring semester course, CTE Program) **Note: Offered alternating years. Offered 2021-2022 school year.**

#### ENTREPRENEURSHIP: SMALL BUSINESS MANAGEMENT HNR

CRS 070643 Grades 11-12 CREDIT 1 S 1 block

**PREREQUISITE:** To be eligible for college credits, you must have taken Business Management HNR for college credits prior to taking this course.

Most of the jobs created in recent years have been in the small business sector. Forecasts indicate that this trend will continue. This course will offer a unique opportunity to develop and promote your own product or business in a Shark Tank-like format. Students will benefit from developing an appreciation for and understanding of small business development in our economy. Students have the opportunity to become involved in the student organization, FBLA, which offers many opportunities for community service, leadership, travel and conferences. Students choosing to enroll in this course at the honors level will be required to complete more rigorous coursework. **Note: Students taking this course at the HONORS LEVEL ONLY will have the option of earning three college credits. There would be a fee associated with this option.**

#### INTERNATIONAL BUSINESS ENR

CRS 070692 Grades 11-12 CREDIT 1 S 1 block **Note: Offered alternating years. It will be offered for the 2021-2022 school year.**

#### INTERNATIONAL BUSINESS HNR

CRS 070673 Grade 12 (Grade 11 with space availability) CREDIT 1 S 1 block

**PREREQUISITE:** To be eligible for college credits, you must have taken Introduction to Business, HNR for college credits prior to taking this course.

Have you ever wondered about International Business and the role that it plays in your life? No matter where you look, social media, television, print, or on the radio, it is there. International Business is everywhere! The increasing globalization of the market place affects all who are involved with business or who must make business decisions. Understanding the impact of globalization that exists in today's ever-changing business landscape has become an essential part of doing business. Whether you work for a large company, or own your own small business, you will inevitably be impacted by global issues. This course provides an overview of the global environment, the national business environments, international trade and investment, the international financial system and international business management. Students choosing to enroll in this course at the honors level will be required to complete more rigorous coursework. **Note: Students taking this course at the HONORS LEVEL ONLY will have the option of earning three college credits. There would be a fee associated with this option.**

**INTRODUCTION TO BUSINESS, ENR**

CRS 070192      Grades 10 -12      CREDIT 1 S 1 block    **Note: Offered alternating years. It will be offered for the 2021-2022 school year.**

**INTRODUCTION TO BUSINESS, HNR**

CRS 070193      Grades 10 - 12      CREDIT ½ Q 1 block

This is an introductory course designed to provide students with a basic understanding of the structures and operations of business and an awareness of social and ethical responsibility as it relates to the environment, consumers, employees, and investors. An appreciation of the global economy will also be explored. Please note that this course is a prerequisite for International Business if you plan on taking that course for college credit, you must take this course for college credit first.

Students choosing to enroll in this course at the honors level will be required to complete more rigorous coursework.

**Note: Students (including sophomores) taking this course at the HONORS LEVEL ONLY will have the option of earning three college credits. There would be a fee associated with this option.**

**\*MARKETING ENR (π)**

CRS 070212      Grades 11 (Grade 12 on a space available basis)      CREDIT 1 S 1 block (Spring semester course, CTE Program)

**\*MARKETING HNR (π)**

CRS 070653      Grades 11 (Grade 12 on a space available basis)      CREDIT 1 S 1 block (Spring semester course, CTE Program)

PREREQUISITE: None

Introduce yourself to the exciting work of marketing! This course includes fun activities such as: Buying/ordering merchandise, selling, promoting and displaying merchandise, and operating our schools store, The Raider Shack. This course is valuable for anyone considering a business career and/or business major in college or technical school. Students will learn by doing in this course! The final product will be the development of a business and marketing plan for your own business venture. This satisfies the economics requirement for graduation. Students have the opportunity to become involved in the student organization, Future Business Leaders of America (FBLA), which offers many experiences for community service, leadership, travel and conferences. Students choosing to enroll in this course at the honors level will be required to complete more rigorous coursework **Note: This class will fulfill the economics requirement for graduation. Students taking this course at the HONORS LEVEL ONLY will have the option of earning three college credits. There would be a fee associated with this option.**

**PERSONAL FINANCE ENR (π)**

CRS 070292      Grades 10-12      CR 1/2 Q 1 block

**PERSONAL FINANCE HNR (π)**

CRS 070663      Grades 10-12      CR 1/2 Q 1 block

A recent survey by Charles Schwab revealed that parents believe the top three areas of money management where their children need to improve are: how to stick to a budget and live within their means (48%), how to save money (42%), and how to invest wisely (33%). Personal Finance covers these three important topics and more. Every student should seriously consider taking this course to help pave the way toward personal financial success. Students who take this class feel good about what they have learned and how it will help them in the future. Do not leave Spaulding without Personal Finance. Students have the opportunity to become involved in the student organization, FBLA, which offers many experiences for community service, leadership, travel and conferences. Students choosing to enroll in this course at the honors level will be required to complete more rigorous coursework. **Note: Students (including sophomores) taking this course at the HONORS LEVEL ONLY will have the option of earning three college credits. There would be a fee associated with this option.**

**Computer Networking & Telecommunications Program****Program Course Sequence**

*Year 1 - Computer Technology I (Full-year course)*

*Year 2 - Computer Technology II (Full-year course)*

**COMPUTER TECHNOLOGY I ENR (π)**

CRS 080252      Grades: 11 (Grade 12 on space available basis)      CREDITS 2 (Full-year course, CTE Program)

**COMPUTER TECHNOLOGY I HNR (π)**

CRS 080253      Grades: 11 (Grade 12 on space available basis)      CREDITS 2 (Full-year course, CTE Program)

PREREQUISITE: Acceptance into the Computer Networking & Telecommunications program

Through hands-on activities, tests and laboratory exercises students will learn in depth about PC operating systems, PC maintenance, hardware configuration and installation. The material covered in this course will form a foundation of technical knowledge in troubleshooting hardware and software. In addition we will be exploring an introduction to networking. Students will also aid CIC in maintaining district computers and network. Students choosing to enroll in this course at the honors level will be required to complete more rigorous coursework and sign an honors contract. **Note: Students taking this course will have the option of earning three college credits. There would be a fee associated with this option.**

**COMPUTER TECHNOLOGY II ENR- Running Start (π)**

CRS 080272      Grade: 12      CREDITS 2 (Full-year course, CTE Program)

**COMPUTER TECHNOLOGY II HNR - Running Start (π)**

CRS 080282      Grades: 12      CREDITS 2 (Full-year course, CTE Program)

PREREQUISITE: Successful completion of Computer Technology I

Through hands-on activities, tests and laboratory exercises students will acquire a solid foundation in networking, network security, and basic network design. Students will maintain a peer-to-peer local area network within the lab. The LAN will provide students with experience in monitoring overall network operation, troubleshooting basic problems, and implementing administrative functions. Students will design and install a server based network in a virtual environment. Students will also aid CIC in maintaining district computers and network. Running Start credits are available to all students. Students choosing to enroll in this course at the honors level will be required to complete more rigorous coursework and sign an honors contract. **Note: Students taking this course will have the option of earning three college credits. There would be a fee associated with this option.**



## Criminal Justice & Homeland Security Program

### Program Course Sequence

Year 1 – Intro to Criminal Justice and Criminology (Two semester-long courses)

Year 2 – Criminal Law & Procedures and Juvenile Justice (Two semester-long courses)

#### \*INTRO TO CRIMINAL JUSTICE ENR

CRS 080102 Grades: 11 (Grade 12 on a space available basis) CREDITS 1

#### \*INTRO TO CRIMINAL JUSTICE HNR- Running Start

CRS 080104 Grade: 11 (juniors only unless not filled) CREDITS 1 (fall semester course, CTE Program)

This course covers the components of the justice system in American society. Although civil law will be discussed, the emphasis will be on the criminal justice system. The influence and pressures of changing social, political, technological, and economic factors on the agencies of justice will be studied. Much of the focus will compare ideals with realities of the system. Law enforcement, the courts, and correctional aspects will be examined. Students choosing to enroll in this course at the honors level will be required to complete more rigorous coursework. **Note: Students taking this course at the HONORS LEVEL ONLY will have the option of earning three college credits. There would be a fee associated with this option.**

#### \*CRIMINOLOGY ENR

CRS 080112 Grades 11-12 CREDIT 1 (spring semester course, CTE Program)

#### \*CRIMINOLOGY HNR – Running Start

CRS 080114 Grade: 11-12 CREDIT 1 (spring semester course, CTE Program)

PREREQUISITE: Intro to Criminal Justice

This course explores the question of crime causation from a number of theoretical perspectives in the social sciences. The nature and extent of crime in American society, theories of factors and influences that are related to criminal behavior, and the impact of crime on society. Students choosing to enroll in this course at the honors level will be required to complete more rigorous coursework. **Note: Students taking this course at the HONORS LEVEL ONLY will have the option of earning three college credits. There would be a fee associated with this option.**

#### \*CRIMINAL LAW & PROCEDURE ENR

CRS 080122 Grades: 11-12 CREDIT 1 (fall semester course, CTE Program)

#### \*CRIMINAL LAW & PROCEDURE HNR– Running Start

CRS 080124 Grades: 11-12 CREDIT 1 (fall semester course, CTE Program)

PREREQUISITE: Intro to Criminal Justice

This course provides an in-depth review of substantive criminal law in the federal and state systems including analysis of the essential elements of all major crimes, the concepts of constitutional review and judicial scrutiny and the principles governing legal challenges to the constitutionality of laws. This course will also analyze the constitutional issues in the United States which have direct bearing on the role and policies of criminal justice agencies. Application of these issues as they relate to investigation, arrest, pre-trial and appeal will be emphasized. Students choosing to enroll in this course at the honors level will be required to complete more rigorous coursework. **Note: Students taking this course at the HONORS LEVEL ONLY will have the option of earning three college credits. There would be a fee associated with this option.**

#### \*JUVENILE JUSTICE ENR

CRS 080182 Grades: 11-12 CREDIT 1 (spring semester course, CTE Program)

#### \*JUVENILE JUSTICE HNR – Running Start

CRS 080134 Grades: 11-12 CREDIT 1 (spring semester course, CTE Program)

PREREQUISITE: Intro to Criminal Justice

An examination of causative factors in the development of youthful offenders and the development and philosophy behind treatment and rehabilitative practices are covered. The course also covers legal, procedural, and substantive issues pertaining to the juvenile justice system. Students choosing to enroll in this course at the honors level will be required to complete more rigorous coursework. **Note: Students taking this course at the HONORS LEVEL ONLY will have the option of earning three college credits. There would be a fee associated with this option.**

## Environmental Science & Sustainable Studies Program

### Program Course Sequence

Year 1 – Environmental Science I and Environmental Science II (Two semester-long courses)

Program Description: Environmental Science is the study of nature and how it is influenced by humans.

This program is designed for students interested in environmental issues, ecology and sustainability. You will develop your creative problem-solving skills needed to design and bring about solutions to environmental problems at local, regional, and global scales. Through community-based projects you will gain practical experience and make a positive impact while you are still in school. The topics will combine hands on science with current environmental issues and prepare you for a variety of career paths. You will develop and apply your skills for experimental design, data analysis, and scientific writing.

A significant amount of time will be spent outside (during all seasons) both on and off of school grounds setting up study sites, collecting data and samples and learning about the natural systems of the community. Students will go on several local and regional field trips to visit relevant ecosystems and research facilities, as well as hearing from several guest speakers who will share their work and research experience with you. The Environmental Science CTE program is year-long, which requires you to register for Environmental Science 1 and 2 in consecutive semesters.

#### \*ENVIRONMENTAL SCIENCE I ENR (π)

CRS 030072 Grades: 11-12 CREDIT 1 (fall semester course)

#### \*ENVIRONMENTAL SCIENCE I HNR (π)

CRS 030073 Grades: 11-12 CREDIT 1 (fall semester course)

PREREQUISITE: Must pass Biology and be accepted into the Environmental Science and Sustainability program.

This course will focus on the biogeochemical cycles, climate change, environmental health and pollution, sustainability and food production (hydroponics and aquaculture), as well as stream and watershed ecology. Class projects involving a study of the local forest, water quality of the Coheco River watershed, as well as hydroponics and aquaculture will be conducted. Long term projects will also be researched, proposed and started at this time. Students choosing to enroll in this course at the honors level will be required to complete more rigorous coursework. **Note: Students taking this course at the HONORS LEVEL ONLY will have the option of earning three college credits. There would be a fee associated with this option.**

**\*ENVIRONMENTAL SCIENCE II ENR (π)**

CRS 030412 Grades: 11-12 CREDIT 1 (spring semester course)

**\*ENVIRONMENTAL SCIENCE II HNR (π)**

CRS 030413 Grades: 11-12 CREDIT 1 (spring semester course)

PREREQUISITE: Must successfully complete Environmental Science and Sustainability 1

This semester will focus on winter ecology, air quality, human population, marine ecosystems, natural resources and alternative energy sources. Spatial data will be collected, mapped and analyzed using ArcGIS software. Aquaculture and hydroponic systems will continue to be studied and the year-long projects will be completed and presented. Students choosing to enroll in this course at the honors level will be required to complete more rigorous coursework. **Note: Students taking this course at the HONORS LEVEL ONLY will have the option of earning three college credits. There would be a fee associated with this option**

**Teacher of Multiple Levels****Program Course Sequence***Year 1 – Foundations of Education I (One full-year course)**Year 2 – Foundations of Education II (One full-year course)***Foundations of Education I ENR**

CRS 080462 Grades: 10-11 (Grade 12 on space available basis) CREDITS 2 (full-year course, CTE Program)

**Foundations of Education I HNR – Running Start**

CRS 080463 Grades: 10-11 (Grade 12 on space available basis) CREDITS 2 (full-year course, CTE Program)

PREREQUISITE: Acceptance into the Foundations of Education program

This course is designed for students interested in pursuing a career in education or other field associated with working with children. Foundation of Education 1 introduces students to basic teaching skills, such as classroom management, lesson planning, guidance and discipline techniques. Students divide their time between classroom instruction and student-teaching in the laboratory school, Small Wonders Preschool or other Field site placement. Classroom instruction includes lectures, notes, handouts, projects, hands-on activities, and unit tests. Foundation of Education units include: Differentiated Instruction, Instructional Practices, Curriculum Planning, Classroom Management, Educational Psychology, and Growth and Development. As part of Foundations of Education you will be part of a leadership organization, Educators Rising, which offers many opportunities for community service, leadership, trips and conferences. There is a course fee to take this program; this fee covers membership dues and course shirt (scholarship available upon request). For those furthering their education, articulation credits are available with some of the two-year colleges in NH. Students choosing to enroll in this course at the honors level will be required to complete more rigorous coursework and sign an honors contract. **Note: Students taking this course at the HONORS LEVEL ONLY will have the option of earning three college credits. There would be a fee associated with this option.**

**Foundations of Education II ENR**

CRS 0800052 Grades: 11-12 CREDITS 2 (full-year course, CTE Program)

**Foundations of Education II HNR– Running Start**

CRS 0800053 Grades: 11-12(Grade 12 on a space available basis) CREDITS 2 (full-year course, CTE Program)

PREREQUISITE: Successful completion of Foundations of Education I and recommendation from program instructor.

Students entering Foundation of Education 2 are expected to have mastered or be proficient in the basic teaching skills learned in Foundation of Education 1. Students divide their time between classroom instructions, student teaching in the laboratory preschool, Small Wonders Preschool and participation in internships. Classroom instruction includes lectures, notes, handouts, projects, hands-on activities, and unit tests. Foundation of Education 2 units include: Curriculum Planning using Understanding by Design, Special Education, Advanced Instructional Practices, and Observation Skills. At the conclusion of Foundation of Education 2, students will create a professional portfolio to demonstrate the competencies they have achieved. As part of Foundations of Education 2 you will be part of a leadership organization, Educators Rising, which offers many opportunities for community service, leadership, trips and conferences. There is a course fee to take this program; this fee covers membership dues and course shirt (scholarship available upon request). For those furthering their education, articulation credits are available with some of the two-year colleges in NH. Students choosing to enroll in this course at the honors level will be required to complete more rigorous coursework and sign an honors contract. **Note: Students taking this course at the HONORS LEVEL ONLY will have the option of earning three college credits. There would be a fee associated with this option.**

**Graphic Design Program****Program Course Sequence***Year 1 – Graphic Design/Printing Technology I (One full-year course)**Year 2 – Graphic Design/Printing Technology II (One full-year course)***GRAPHIC DESIGN I ENR (π)**

CRS 080502 Grade 11 (Grade 12 on a space available basis) 2 CREDITS (Full-year course, CTE Program)

**GRAPHIC DESIGN I HNR (π)**

CRS 080503 Grade 11 (Grade 12 on a space available basis) 2 CREDITS (Full-year course, CTE Program)

PREREQUISITE: Acceptance into the Graphic Design program.

Everywhere you look, you will see design in items that have been thoughtfully created to solve a problem. From the Snapchat logo to the style of your shoes, from the shape of your phone to the ads on social media, a conscious plan was made and executed to bring you these items. Learn to be an influencer by creatively putting your mark on the world. In this course, you will learn about the design process and how we build strong visual solutions. You will learn core tools of the trade including Adobe Photoshop, Illustrator and InDesign software, as well as sketching, using an x-acto blade and spray mounting. Favorite projects include designing logos, stickers, packaging, coloring books and posters. Design career path options are many, a few of note are graphic designer, product designer, illustrator, game designer, fashion designer, web designer, interior designer, and UX/UI designers. Students choosing to enroll in this course at the honors level will be required to complete more rigorous work and sign an honors contract. **Note: This course will fulfill the fine arts requirement for graduation.**



**GRAPHIC DESIGN II ENR - Running Start (π)**

CRS 080522 Grade 12 CREDITS 2 (Full-year course, CTE Program)

**GRAPHIC DESIGN II HNR - Running Start (π)**

CRS 050523 Grade 12 CREDITS 2 (Full-year course, CTE Program)

PREREQUISITE: Successful completion of Graphic Design/Printing Technology I

As you enter your second year in the Graphic Design Program, you will be exploring and completing more advanced projects. Design skills are built across your entire lifetime, but in this second stage, we will refine your understanding of standard work for designers. This course encourages more independent project management and advanced problem solving. You will work on advanced packaging, print projects and innovation to name a few. Some projects will be able to be individually focused on your special areas of interest, for example character animation, fashion design or interior design. You will have the opportunity to learn additional software such as Adobe Character Designer or Fusion 360. Students choosing to enroll in this course at the honors level will be required to complete more rigorous work and sign an honors contract **Note: Students taking this course will have the option of earning three college credits (same course as offered to Graphic Design I students.) There would be a fee associated with this option. Students may also complete additional work to complete an Adobe Certification in Photoshop. Note: Students taking this course will have the option of earning three college credits. There would be a fee associated with this option.**

**Health Science Technology Program****Program Course Sequence***Year 1 - Health Science Technology I (Full year course)**Year 2 - Health Science Technology II (Full year course)***\*HEALTH SCIENCE TECHNOLOGY I ENR (π)**

CRS 080551 Grade 11 (Grade 10 or 12 if space available) 2 CREDITS (Full year course, CTE Program)

**\*HEALTH SCIENCE TECHNOLOGY I – HNR (π)**

CRS 080553 Grade 11 (Grade 10 or 12 if space available 2 CREDITS (Full year course, CTE Program) PREREQUISITE: Interview with HST instructor, Passing grades in science and english classes, Recommend: enrollment in Anatomy and Physiology or Human Biology

During the first year of this course, students are introduced to all aspects of the healthcare field. Students have the opportunity to earn their CPR & AED certification. Students study history & trends in healthcare, healthcare systems, medical terminology, ethical and legal aspects, safety and infection control, vital signs, anatomy and physiology, healthcare professions, professionalism, CPR and first aid. Students will learn skills in our lab. Students visit Frisbie Hospital three Fridays to learn about healthcare professions and tour the hospital. As part of the professionalism and health careers competency students are required to shadow health care professionals in the field. Upon successful completion of HST I, students will have the opportunity to apply for the HST II program to continue with their studies. **Students choosing to enroll in this course at the honors level will be required to complete more rigorous coursework.**

**HEALTH SCIENCE TECHNOLOGY II ENR – Running Start (π)**

CRS 080571 Grade 12 ( grade 11 if qualifications are met) CREDITS 2 (Full year course, CTE Program)

**\*HEALTH SCIENCE TECHNOLOGY II HNR – Running Start (π)**

CRS 080573 Grade 12 ( grade 11 if qualifications are met) CREDITS 2 (Full year course, CTE Program)

PREREQUISITE: Successful completion of Health Science Technology I with a B or better. Recommendation from program instructor and guidance. Students will be required to recall and apply all information taught in HST 1. There is a more in-depth study of body systems as it pertains to disease and the nursing process. Students taking this course will have the option of earning three college credits for Medical Terminology through Great Bay Community College in our classroom during Semester One. Students have the option to complete an ELO in the healthcare field (organized through our ELO coordinator) OR complete the Licensed Nursing Assistant Program (LNA). LNA consists of in class theory, hands on skills in the lab and 60+ hours of hands on care at clinical through a local nursing home. Please NOTE: **There is a limited number of students accepted into the program. Students MUST be committed to completing the program. Clinical is held both C block and D block during quarter 4 Note: Students taking this course will have the option of earning three college credits. There would be a fee associated with this option.**

**Heating, Ventilation, Air Conditioning, and Refrigeration HVACR****Program Course Sequence***Year 1 – HVACR Technology I (One full-year course)**Year 2 – HVACR Technology II (One full-year course)*

Program Description: HVAC program is designed to provide students with an understanding of theoretical information covering the sciences of matter, heat, fluids and pressure. Theory information also includes the components of a basic refrigeration system and how they operate to move heat from where it is not wanted to where it is desirable. Students successfully completing this program will be able to pursue a two year or a four year degree at a college or university. Students can obtain immediate employment in the heating, ventilation and air conditioning field, which include: residential and commercial heating, ventilation, and air conditioning apprenticeship in installation and service; refrigeration technician; sheet metal apprentice; sheet metal design; gas system technician; oil burner technician; heating, ventilation and air conditioning sales representative; wholesale supply representative; and, appliance repair technician.

**HVACR TECHNOLOGY I ENR (π)**

CRS 0800062 GRADE 11 (Grade 12 on space available basis) CREDITS 2 (Full-year course, CTE Program)

PREREQUISITE: Successful completion of HVAC Exploratory and Acceptance into the HVACR Technology program.

The students will receive instruction in safety requirements and demonstrate sound safety practices. Students will demonstrate electrical fundamentals including electrical circuits, Ohm's law and meter use. Students will identify heating fuels (natural gas, propane and heating oil), and explain how they burn and how to safely control the burn. Laboratory skills practiced include servicing and testing heating equipment and basic electrical circuits including identifying electrical motors and system schematics. Students will demonstrate their ability to use code books and apply code requirements at apprentice entry level. Technology related reading, writing, vocabulary, mathematics, blueprint reading, and science are integrated throughout the curriculum.

**HVACR TECHNOLOGY II ENR (π)**

CRS 0800002 GRADE 12 CREDITS 2 (Full-year course, CTE Program)

PREREQUISITE: Successful completion of HVACR Technology I

Students continue to receive instruction in safety requirements and demonstrate sound safety practices. Students will demonstrate theoretical competency in HVAC/R electrical controls, refrigeration systems, such as air conditioning, and refrigeration, both domestic and commercial. The students will have an understanding of Environmental Protection Agency (EPA) certification requirements with refrigeration systems and the proper handling of refrigerants, including recovery, recycling and reclaiming are studied and practiced. Students will be able to calculate building heating and cooling loads. Laboratory skills practiced include servicing and testing refrigeration equipment and basic electrical circuits including reading and writing electrical schematics. Students will demonstrate the skills needed for installation of HVAC systems. Students will demonstrate the ability to complete a job application, resume, interview, and to perform entry level job readiness and trade skills. Technology related reading, writing, vocabulary, mathematics, blueprint reading and science are integrated throughout the curriculum.

**Precision Machining Program****Program Course Sequence***Year 1 – Precision Machining I (One full-year course)**Year 2 – Precision Machining II (One full-year course)***PRECISION MACHINING I ENR (π)**

CRS 080672 GRADE 11(Grade 12 on space available basis) CREDITS 2 (Full-year course, CTE program)

PREREQUISITE: Acceptance into the Precision Machining Program

Students enrolled in the first year of this two-year program will demonstrate technical ability on machine tool equipment and hand tools related to the machine tool. Attention to detail, precise measurement and focus are highly recommended skills that will be developed and expanded through this course. Students will gain an understanding of the CNC machine tool's operation, metal working industry and requirements expected from a production machinist. Students will develop knowledge and understanding of CNC machine tool operation and G-Code and M-Code terminology. Students will learn advanced machining competencies requiring lab hands on participation to meet and complete lab assigned projects. Student safety is held at the highest level of priority.

**PRECISION MACHINING II ENR– Running Start (π)**

CRS 080692 GRADE 12 CREDITS 2 (Full-year course, CTE Program)

PREREQUISITE: Successful completion of Precision Machining I.

Students continuing their enrollment in this two year program will gain an understanding of industry standard CNC machine tool's operation, and an understanding of G-Code and M-Code terminology and application. Students will understand the metal working industry and requirements expected from a production machinist. Students will meet advanced machining competencies requiring 97% shop hands on participation consisting of real time machining on a production level for both manual and CNC machining. Following all safety procedures will be continually enforced. Students will demonstrate personal growth / student professionalism through applied knowledge and skills in resume writing, job application writing, and job interviewing. **Note: Students taking this course will have the option of earning college credits. There would be a fee associated with this option.**

**Restaurant Management Program****Program Course Sequence***Year 1 – Restaurant Management I (One full-year course)**Year 2 – Restaurant Management II (One full-year course)***RESTAURANT MANAGEMENT I ENR – Running Start (π)**

CRS 080792 Grade: 11 (Grade 10 on a space available basis) CREDITS 2 (Full year course, CTE Program)

PREREQUISITE: Acceptance into the Restaurant Management program.

This course offers students the chance to work in a restaurant atmosphere while learning the different tasks of various professionals in the food and restaurant industry. Students will learn about safety and sanitation, professional cooking, the duties and responsibilities of the chef, prep cook, baker, host, server, and manager, as well as industry job seeking and keeping skills. Students will be responsible for the successful management of the Our House Cafe. Careers related to food service will be presented from a management perspective. This program has articulation agreements with Lakes Region Community College, CIA and New Hampshire Culinary Institute.

**RESTAURANT MANAGEMENT II ENR – (π)**

CRS 080812 Grade: 12 (Grade 11 on a space available basis) CREDITS 2 (Full year course, CTE Program)

PREREQUISITE: Successful completion of Restaurant Management I

This course continues students' experience to work in a restaurant atmosphere while learning the different tasks of various professionals in the food and restaurant industry. Students will learn about safety and sanitation, professional cooking, the duties and responsibilities of the chef, prep cook, baker, host, server, and manager, as well as industry job seeking and keeping skills. Students will be responsible for the successful management of the Our House Cafe. Careers related to food service will be presented from a management perspective. This program has articulation agreements with Lakes Region Community College, CIA and New Hampshire Culinary Institute. **Note: Students taking this course will have the option of earning three college credits. There would be a fee associated with this option.**

## Video & Photographic Arts

### Program Course Sequence

Year 1 – Digital Photography & Video Production Technology I (One full-year course)

Year 2 – Digital Photography & Video Production Technology II (One full-year course)

#### **DIGITAL PHOTOGRAPHY & VIDEO PRODUCTION TECHNOLOGY I ENR (π)**

CRS 080912      Grades 10-11      CREDITS 2 (full-year course, CTE Program)

#### **DIGITAL PHOTOGRAPHY & VIDEO PRODUCTION TECHNOLOGY I HNR (π)**

CRS 080913      Grades 10-11      CREDITS 2 (full-year course, CTE Program)

PREREQUISITE: Acceptance into the Video & Photographic Arts program and successful completion of Introduction to Photography and Video.

During the first year students will be introduced to the Photography and Video field. It is a hands on/project based class. Students will complete a series of activities, utilizing the basic techniques necessary for the production of photographs and videos. Topics to be covered are treatment development, storyboarding, scripting, proper camera technique, composition, lighting and editing. Class time will focus on working with a variety of photographic and video equipment. Classes will run very independently and the goal is to provide each student with the opportunity to learn at his/her own pace and in his/her own style. Students, who choose this course, will be responsible for creating digital print artwork, slide presentations and motion graphics. Students will develop their own style in photography and video while building a portfolio of images and short videos demonstrating what they are learning and how their style is evolving. Students are required to obtain and keep an SD memory card of 2GB capacity or larger. Students choosing to enroll in this course at the honors level will be required to complete more rigorous work and sign an honors contract.

#### **DIGITAL PHOTOGRAPHY & VIDEO PRODUCTION TECHNOLOGY II ENR (π)**

CRS 080922      Grade: 11 -12      CREDITS 2 (Full-year course, CTE Program)

#### **DIGITAL PHOTOGRAPHY & VIDEO PRODUCTION TECHNOLOGY II - HNR (π)**

CRS 080923      Grade: 11 -12      CREDITS 2 (Full-year course, CTE Program)

PREREQUISITE: Successful completion of Digital Photography & Video Production. Students in the second year will be immersing themselves into various fields of photography and video. Students will be involved in more complex projects using advanced lighting, editing technique, macro, time lapse, multi camera shoots are just some of the areas to explore. Focus on visual workflow, exploring what they see and how best to record it. Emphasis will be on composition and telling a story with their images. Students will be working on individual self-designed projects and gallery exhibits while building a complete portfolio of their work. Students choosing to enroll in this course at the honors level will be required to complete more rigorous work and sign an honors contract. **Note:** This is a Running Start course and students are eligible to receive college credit. There is a fee associated with this option.

# Dover CTE Center

## Animal Science Program DOVER

### *Animal Science Program Course Sequence options*

#### **Animal Science Program/Concentration in Veterinary Technician**

##### **Year 1 – Animal Science I**

##### **Year 2 – Animal Science II - Companion Animal Science OR Large Animal Science**

##### **Year 3 – Animal Science III – Honors Veterinary Science OR Companion Animal Science OR Large Animal Science OR Work -Based Learning**

#### **ANIMAL SCIENCE I - 080011**

GRADE 10-11 2 CREDITS (Full-year course, CTE Program)

PREREQUISITE: Acceptance into the Animal Science program

This is the first year of the Animal Science career path. This every day, full year course will take an in-depth look in to various animal types. Classroom pets and the onsite barn animals will be used for hands-on experiences in animal handling, restraint, feeding and maintaining of optimal health. Students will learn to operate a dog grooming business one day a week, where they develop first level skills of dog grooming while learning important customer service skills. Animals studied throughout this course include, dogs, cats, small pets, reptiles, birds and farm animals. **REQUIRED: Students must submit a CTC program application.**

#### **ANIMAL SCIENCE II - Companion Animal Science (Formerly CANINE SCIENCE) ENR - 080932**

GRADE 11-12 2 CREDITS (Full-year course, CTE Program)

PREREQUISITE: Completion of Animal Science I and submission of a CTC program application.

This every day, full year course is for students interested in dog behaviors and their training. Students will learn to investigate dog breeds, ethical ownership, life cycle, common vaccines, diseases, production and nutrition. Students acquire skills necessary to dog grooming while helping to operate the on-site dog grooming business. **REQUIRED: Completion of Animal Science I and submission of a CTC program application. Certifications available: Canine Care and Training Program Certification and Pet First Aid. NOTE: Fulfills 1 science elective credit.**

#### **ANIMAL SCIENCE II – LARGE ANIMAL SCIENCE**

Grades 11-12 2 CREDITS (Full-year course, CTE Program)

This class is designed for students interested in pursuing a career with large animals. It is a class that will cover the husbandry of common livestock breeds as well as horses. Part of the class will be to learn about the business aspects of farm management and budgeting. Other content areas that will be studied are selection, nutrition, formulating feed rations, reproduction, maintenance, veterinary care, and sustainable practices of large animals. The class will utilize on site animals as well as go to several large working farms for tours and more information. **REQUIRED: Completion of Animal Science I and submission of a CTC program application.**

#### **ANIMAL SCIENCE III HONORS – VETERINARY SCIENCE - 080943**

GRADE 11-12 2 CREDITS (Full-year course, CTE Program)

This every day, full year honors course is for students interested in pursuing a career with animals in the health and veterinary technology field. Students will take an in-depth look into animal anatomy and the common practices and management involved in veterinary medicine. Investigations into clinical exams, preventative care practices, veterinary terminology and math, medical records, and client-patient relationships will take place. Students will explore ethical and legal issues in veterinary medicine as well and analyze animal nutrition and reproductive performance. Students will design and maintain the medical/husbandry records for our program animals. Real world skills are practiced through lab exercises as well as managing and operating an on-site barn, small animal collection, and dog-grooming lab. **REQUIRED: Completion of Animal Science I and submission of a CTC program application. AVAILABLE CERTIFICATION: Pet First Aid. NOTE: Fulfills 1 science elective credit. NOTE: This course meets the requirement of VETN 110G, Introduction to Veterinary Technology for 2 credits at Great Bay Community College. This is a concurrent enrollment course, which allows students the opportunity to earn college credits while earning credits toward their high school diploma. The cost to take advantage of the dual enrollment option is currently \$150.00, which is approximately a \$450 savings. Note: This is a course which allows students the opportunity to earn college credits with UNH while concurrently earning credits toward their high school diploma. There is no cost associated with this program. See articulation agreement for details. Certifications available: Pet First Aid Certification.**

## Automotive Collision Technology Program – DOVER

### *Automotive Collision Technology Program Course Sequence*

#### *Year 1 – Automotive Collision Technology I*

#### *Year 2 – Automotive Collision Technology II*

#### *Year 3 - Optional Work-Based Learning*

#### **AUTOMOTIVE COLLISION TECHNOLOGY I - 080091**

Grade 10 and 11 2 CREDITS (Full-year course, CTE Program)

This course concentrates on vehicles from frame to finish. Students will learn how to properly operate hand and power tools while restoring the exterior of cars in the state-of-the-art lab. Experience what it's like working with sheet metal, body fillers and plastics, various materials and fasteners. Explore panel and glass repair, vehicle surface preparation and masking. Students will gain exposure to the skill of estimations as they relate to body repair and restoration. The National Institute for Automotive Service Excellence (ASE) recognizes the Dover Automotive Technology program as a certified training program and it has achieved accreditation by the National Automotive Technicians Educational Foundation (NATEF) and supported by the New Hampshire Auto Dealers Association. **REQUIRED: Submission of a CTC program application. NOTE: Lab fee of \$40.00.**

## **AUTOMOTIVE COLLISION TECHNOLOGY II - 080111**

Grade 11 and 12                      3 CREDITS (1 Block Fall Semester AND 2 Blocks Spring Semester)

Advanced skills in the art of vehicle restoration and custom fabrication will be the focus of this course. Students will examine frame damage measurement, replacement and realignment. Work on electrical systems, restraints and chassis. Enhance skills in the art of airbrushing, pin striping, detailing, color matching and custom painting. Come and gain skills that will last a lifetime. The National Institute for Automotive Service Excellence (ASE) recognizes the Dover Automotive Technology program as a certified training program and it has achieved accreditation by the National Automotive Technicians Educational Foundation (NATEF) and supported by the New Hampshire Auto Dealers Association. **REQUIRED: Successful completion of Automotive Collision I and Submission of a CTC program application.** **NOTE: Lab fee of \$40.00. Available certification: ASE, SP/2** **Note: This is a course, which allows students the opportunity to earn college credits through Nashua Community College while concurrently earning credits toward their high school diploma. There is no cost associated with this program.**

## **Biomedical Science (PLTW) DOVER**

*Biotechnology Program Course Sequence*

**Year 1 – Honors Biomedical Science I**

**Year 2 – Honors Biomedical Science II**

**Year 3 – Optional Work-Based Learning OR EMT II OR EMR/WFR II OR Health Science I**

### **HONORS BIOMEDICAL SCIENCE I**

GRADES 10-11                      1 CREDIT (Fall Semester, CTE Program)

In Semester I of the program, students explore concepts of biology and medicine to determine what led to the death of a fictional person. Students examine autopsy reports, investigate medical history and explore medical treatments that may have prolonged the person's life. In Semester II, students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis in the body. Students build organs and tissues on a skeletal manikin and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Throughout the semester, students take on the roles of biomedical professionals to solve real-world medical cases. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. This course meets the requirements of Honors Principles of Biomedical Science and Human Body Systems through Project Lead the Way. **REQUIRED: Successful completion of CP or Honors Biology OR recommendation from science teacher and submit a CTC program application.**

### **HONORS BIOMEDICAL SCIENCE II**

GRADES 11-12                      2 CREDITS

In Year 2 of the program, students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection, screen and analyze DNA, evaluate cancer treatments, and prevail when organs of the body fail. Interventions related to immunology, surgery, pharmacology, medical devices, and diagnostics are explored. In the final part of the course, students build on their acquired knowledge and skills to design innovative solutions for pressing health challenges of the 21st century. Topics range from public health, biomedical engineering, clinical medicine and physiology. This course meets the requirements of Medical Interventions and Biomedical Innovation through Project Lead the Way. **REQUIRED: Successful completion of Honors Biomedical Science I and submission of a CTC program application**

## **Cosmetology Program – DOVER**

*Cosmetology Program Course Sequence*

**Year 1 – Cosmetology I**

**Year 2 – Cosmetology II**

**Year 3 – Cosmetology III**

### **COSMETOLOGY I - 080291**

GRADE 10                      2 CREDITS (Full-year course, CTE Program)

Begin with basic theory and learn practical skills in the classroom. Explore hands-on laboratory work consisting of hair sculpting, hair design, haircutting, manicuring, pedicuring, skin care and make-up application. After basic training hours are met students will move into a higher level as the program and the curriculum become more diverse and comprehensive. Professional ethics are a vital component to the process. The New Hampshire Board of Cosmetology recognizes the Dover Cosmetology training program and is an accredited program. **Requirement: Students must submit a CTC program application. Cost Requirement: The following fees are required: \$150 for the Introductory Kit includes Mannequin, \$25 for the uniform, and \$25 for the Cosmetology Apprentice license.**

### **COSMETOLOGY II - 080311**

GRADE 11                      4 CREDITS

Build on the development of clinic and lab practices continuing in the classroom and the clinic/salon floor, working on school clients and mannequins. Theory instruction related to chemical texture and smoothing, hair coloring, diseases and disorders, and anatomy & physiology. After basic training and hours are met students will enter into a higher level as the program and curriculum become more diverse and comprehensive. Junior and senior students are placed in the school salon after basic skills training and the required training hours are met. This training program encompasses a powerful, all-inclusive cosmetology curriculum delivered through strong step-by-step hands on approach. The New Hampshire Board of Cosmetology recognizes the Dover Cosmetology Training Program and is an accredited program. **REQUIRED: Successful completion of Cosmetology I with a minimum of 325250 hours accumulated and submission of a CTC program application. NOTE: A lab fee of \$200 125 will be required for two mannequin heads and an advanced student kit.**

### **COSMETOLOGY III - 080331**

GRADE 12

4 CREDITS (Full-year, double block course)

Knowledge of cosmetology services are continued with attention to refining skills, speed and accuracy, and working with salon clients which is designed to show new techniques while developing each individual's special interest within the cosmetology field. Students will complete project-based salon management, exploring all aspects of spa and salon operations, including physical design, inventory and financial operations. The final phase ends with the preparation for the final exam required for licensure in the cosmetology industry. The New Hampshire Board of Cosmetology recognizes the Dover Cosmetology training program and is an accredited program. **REQUIRED: Successful completion of Cosmetology II with a minimum of 900875 hours accumulated and submission of a CTC program application. A lab fee of \$100 will be required for additional mannequin heads. All licensing fees and equipment is the responsibility of the student. Successful completion of Cosmetology III fulfills 0.50 math credit**

### **Electrical Technology Program – DOVER**

#### *Electrical Technology Program Course Sequence*

*Year 1 - Electrical Technology and Renewable Energy Systems I*

*Year 2 – Electrical Technology and Renewable Energy Systems II*

*Year 3 - Electrical Technology - Solar Technology or Work Based Learning*

### **ELECTRICAL TECHNOLOGY I AND RENEWABLE ENERGY SYSTEMS -080471**

GRADE 10-11 (Grade 12 on space available basis)

2 CREDITS (Full-year course, CTE Program)

Want to explore the world of electricity and become an apprentice electrician? Study the basic DC/AC theory and Ohms Law as they are applied to various types of circuits. Experience the safe and proper use of all hand and power tools utilized in the electrical/construction trades. Receive 250 hours of hands-on work experience towards your Journeyman's license. Assess the latest edition of the National Electrical Code and experience renewable energy systems. Configure and install solar and wind energy systems discovering how to convert, transmit, and store these renewable energies. **REQUIRED: Students must submit a CTC program application. All students are required to pay \$80 75.00 fee for the cost of supplies and the student's own electrical tools kit that they will be able to take with them when they graduate, and NH State Electrical Apprentice License fee (\$30). Certifications available: NH State Electrical Apprentice License**

### **ELECTRICAL TECHNOLOGY II AND RENEWABLE ENERGY SYSTEMS - 080491**

GRADE 11-12

2 CREDITS (Full-year course, CTE Program)

Electricity got you all wired up? Interested in a career in the Electrical Trades? Explore advanced residential and commercial wiring projects. Discover industrial motors and controls and receive a Telecommunication Cabling Certificate. Complete an OSHA 10 hour safety training program and receive an OSHA 10 card for the construction industry. Receive an additional 250 hours of hands-on work experience towards your Journeyman's license. Upgrade your skills in renewable energy systems and develop the skills required to obtain a Journeyman Electricians License. **REQUIRED: Successful completion of Electrical Technology I and submission of a CTC program application. NH State Electrical Apprentice License fee (\$30). NOTE: This is a course which allows students the opportunity to earn college credits while concurrently earning credits toward their high school diploma. There is no cost associated with this program. See articulation agreement for details. Certifications available: OSHA-10 certification safety and NH State Electrical Apprentice License**

### **ELECTRICAL TECHNOLOGY III - SOLAR TECHNOLOGY**

GRADE 12

1 CREDIT /Spring Semester

This course is designed as a general introduction to Solar Photovoltaic (PV) technology and will prepare students to achieve a basic knowledge of the applications, design, installation and operation of solar PV systems. Students will learn the fundamental concepts and skills involved with becoming a solar PV installer. The course content is consistent with the North American Board of Certified Energy Practitioners (NABCEP) Solar PV Entry Level Learning Objectives. Percentage of time spent on course topics, and the weight placed on assessment questions match the learning priority levels established by NABCEP's course and test specifications. After successful completion of this course, students are eligible to register for the optional NABCEP Solar PV Entry Level Exam. Students that successfully pass the exam will be eligible for a job right out of high school in the field of Alternative/Renewable Energies. **REQUIRED: Successful completion of Electrical Technology II or concurrently taking Electrical Technology II and submission of a CTC program application. NH State Electrical Apprentice License fee (\$30). Certifications available: NH State Electrical Apprentice License**

### **NAVAL SCIENCE /NJROTC (Navy Junior Reserve Officers Training Corps) Program DOVER**

#### *NJROTC Program Course Sequence*

*Year 1 - Naval Science III*

*Year 2 - Naval Science IV*

**NOTE: To complete three years of Naval Science and enter the Army or Navy as an E-3, cadets can also take the following semester-based courses any time during their high school career: Introduction to Naval Science I – Leadership & Introduction to Naval Science II – Core Values**

### **NAVAL SCIENCE III**

GRADES 11-12

2 CREDITS (Full-year course, CTE Program)

In this course you will evaluate the challenge of managing a process, the qualities of an effective manager, and how to evaluate performance and give instruction. Classroom discussions include how attention to detail becomes a key component in successful career development. You will also gain keen insights to the inner working of our government and national security and how the government authenticates naval operations and support functions. Additional subjects include an introduction to applied physics as it pertains to electromagnetic energy and weapon systems and aircraft operations. You will have the opportunity to be promoted to staff positions and exercise increased responsibilities by managing the operations, administration, public affairs, and supply departments of the NJROTC unit. **REQUIRED: Students must submit a CTC program application. NOTE: Fulfills American Government requirement and ½ credit math elective.**

## NAVAL SCIENCE IV

GRADE 12

2 CREDITS (Full-year course, CTE Program)

This is where it all comes together! As the leaders of fellow cadets, this is your command! The leadership practicum is designed to give you supervised practical application of previously studied leadership theories. You will be afforded the opportunity to apply those leadership traits outside of the classroom during several field trips. The introduction of ethics becomes an added layer to the leadership continuum and allows for a focused engagement for practicing ethical leadership techniques. By practicing your leadership style, you will have the opportunity to put your legacy into the history of this program. You will then analyze the reasons for the varying degrees of success throughout the year. You will also be provided access to ACT/SAT preparation courses, guidance in selecting a college and pursuing available scholarships. Classroom activities include seminars, reading assignments, classroom presentations, and practical work with younger cadets. Seniors are mentored/guided in their preparation for life after high school including college preparation, scholarship applications, and the variety of choices that are available to them. **REQUIRED: Students must submit a CTC program application.**

## Seacoast Firefighting & EMS Academy DOVER

*Seacoast Firefighting & EMS Academy Course Sequence*

*Year 1 – Firefighter Academy I (One full-year course)*

*Year 2 – EMT II or EMR/WFR II*

*(Note: This course can also be taken to complete the Health Science Technology program – Track 2 option)*

### FIREFIGHTER ACADEMY I - 080911

GRADES 10 - 12

2 CREDITS (Full –year course, CTE Program)

Students choosing a career path in Firefighting and EMS can get started at Dover High School and Regional Career Technical Center. Students will be immersed in a rigorous training program to prepare them for a career in Emergency Medical Services. Students will learn about the scientific and mechanical principles associated with fire prevention. Students will become adept at rescue techniques, fire suppression, and other technical skills. Included in this course is learning about the proper use of tools, apparatus and equipment while also learning how to don and doff gear within 90 seconds. This program is offered in partnership with the Dover Fire Department and taught by NH State Certified Fire instructors offering hands-on experiences and lessons on campus, at local fire stations and at the NH Fire Academy in Concord. It is supported by the New Hampshire Fire Standards and Training Commission. Students seeking to enroll must be physically able to perform requirements associated with Firefighter I Certificate and must have medical permission. **REQUIRED: Students must submit a CTC program application for consideration of acceptance into the program. Students must have a current medical examination comparable to the National Fire Protection Association Standard #1582. Students are evaluated for heights phobia and claustrophobia; they should not be considered obese and they must have the stamina and physical ability to work in untenable conditions for several consecutive 30-minute durations. NOTE: This is a competitive entry program limited to 15 students per course. Firefighter I Certificate transfers to any postsecondary institution that offers Firefighter I and/or EMT in their program. Certifications available: Firefighter I, Wildland Firefighter I, Hazardous Materials Awareness/Operations. NOTE: A testing fee of \$75 is required. Additionally, students are required to purchase two sets of midnight blue trousers, one pair of black oxford shoes, a 1½ inch black belt, and two short-sleeved shirts. A parent or guardian must comply and sign the completed application and agree to comply with all rules and regulations cited on the special application prior to acceptance into the Academy.**

### EMERGENCY MEDICAL TECHNICIAN (EMT II) – 080921

GRADE 12

2 CREDITS (Full-year course, CTE Program)

This course trains students to handle emergency situations where assessing and treating victims of sudden illness and injury is required. This is a demanding course requiring strong study skills. The primary focus of the Emergency Medical Technician (EMT) is to provide basic emergency medical care and transportation for critical and emergent patients who access the emergency medical system. Emergency Medical Technicians perform interventions with the basic equipment typically found on an ambulance. This course is offered in collaboration with the New Hampshire Bureau of EMS, and follows a national curriculum that provides students with experience and knowledge of the skills and responsibilities of an EMT. Student Medical Release required by New Hampshire Department of Safety Division of Fire Standards and Training and Emergency Medical Services. Upon successful completion of this course, students who are 18 years of age will be eligible to take the EMT certification exam through the National Registry of EMTs. **Requirement: Successful completion of Firefighter I, Health Science I or Sports Medicine I and current Certification in First Aid and CPR and submission of a CTC program application. Certifications available: EMT Basic exam (must be 1718 years of age). Cost Requirement: \$95 CBT Exam (cognitive), \$80 State practical exam fee (note: host site sets price so this may vary depending on state of pandemic and available testing facilities). There are three chances to take the cognitive exam in which a new payment of \$95 must be made for each attempt. A testing fee of \$175 is required. A parent or guardian must comply and sign the completed application and agree to comply with all rules and regulations cited on the special application prior to acceptance into the Academy.**

## Sports Medicine - Dover

*Sports Medicine Program Course Sequence*

*Year 1 – Sports Medicine I*

*Year 2 – Sports Medicine II*

*Year 3 - EMT or EMR/WFR II or Optional Work Based Learning*

### SPORTS MEDICINE I

GRADES 10-11

2 CREDITS (Full-year course, CTE Program)

This course is for students interested in medically related fields such as physical therapy, fitness, exercise physiology, kinesiology, athletic training, nutrition, para-medicine and other healthcare fields. The first year includes class work and practical hands-on application in the following areas: prevention of injuries and medical emergencies, how the body works, patient assessment, emergency procedures, treatment and rehabilitation of sports injuries. There will be a chance to gain certification in BLS CPR (Basic Life Support for the professional rescuer) too. This course is intended to help students gain an interest and understanding of medicine and the human body with a lens from an athlete's perspective. This is a good class to take as an introduction to any medical field.

**REQUIRED: Submission of a CTC program application.**

## SPORTS MEDICINE II

GRADES 11-12

3 CREDITS /Year

This class will expand on the areas covered in Sports Medicine I and also explore, more in depth, topics such as nutrition, sports psychology, rehabilitation, therapeutic modalities including massage therapy, and fitness/conditioning/strength training. In this class you will have the chance to gain aThis course includes the National Academy of Sports Medicine (NASM) Certified Personal Training Course and 120 hours of internship experiences, Certified Personal Training Certificate. Internships/clinicals will be included as part of this course. It will take a project based, student-centered approach and is recommended for highly motivated students.

**REQUIRED: Successful completion of Sports Medicine I and submission of a CTC program application. REQUIRED FEES: \$100 for CPT materials and exam. Certification Available: Certified Personal Trainer (CPT) – cost is \$100 for certification.**

## Welding Technology – Dover

*Welding Technology Program Course Sequence*

Year 1 – Welding I

Year 2 – Welding II

Year 3 - Optional Work-Based Learning

### WELDING TECHNOLOGY I

GRADES 10-11

2 CREDITS (Full-year course, CTE Program)

Students will learn the shielded metal arc welding (SMAW) and oxyacetylene welding processes. After learning safety procedures for each, students will practice hands-on by welding "T" joints, butt joints, lap joints and corner joints in the flat, vertical, horizontal and overhead welding positions. An introduction to pipe welding will also be incorporated. With instruction and demonstrations, students will practice the oxyacetylene cutting and plasma cutting processes. Various projects will be set in place for the opportunity to develop skills in welding, basic blueprint reading, mathematics, use of fabrication tools and safe use of metal working equipment such as grinders, a bandsaw, and a chop saw. Emphasis is placed on shop safety and the development of good work habits such as punctuality, dependability and responsible behavior. **REQUIRED: Students must submit a CTC program application and purchase steel toe boots.**

### WELDING TECHNOLOGY II

GRADES 11-12

2 CREDITS (Full-year course, CTE Program)

Working towards developing skills that commensurate the American Welding Society, the focus of this course will be learning and performing hands-on practice of the gas metal arc welding (GMAW), flux core arc welding (FCAW) and gas tungsten arc welding (GTAW) processes in all joint configurations and welding positions. Students will have the opportunity to weld mild steel, stainless steel, and aluminum with GTAW. By incorporating these new skills, as well as those learned in Welding Technology 1, a series of performance and competency tests will be given. Fundamental fabrication techniques will be explored with the opportunity for students to design individual and team building projects. Students will learn the various types of welding inspection and gain greater clarity about roles in the workplace. Safety in this course takes an in depth look at OSHA specifications, where students will understand the importance of safety data sheets, hot work permits, donning a harness, and proper ladder safety. Students completing this program will be prepared to enter an apprenticeship program or to enter post-secondary study. **REQUIRED: Successful completion of Welding Technology I and submission of a CTC program application.**



# Somersworth CTE Center

## BROADCAST TECHNOLOGY PROGRAM-SOMERSWORTH

### *Broadcast Technology Program Course Sequence*

*Year 1 – Broadcast Technology I (One full-year course)*

*Year 2 – Broadcast Technology II (One full-year course)*

*Potential Embedded College Credits: 6 credits, Northern Vermont University*

*Potential Industry Recognized Certifications: Adobe Certified Associate Certification*

*Potential Costs: all program costs are supported by grant funding, students will be made aware of any changes prior to beginning the program.*

### **939 BROADCAST TECHNOLOGY I**

GRADES 10 - 12                      2 CREDITS , fulfills Senior Year Math Experience

PREREQUISITE: Acceptance into the Broadcast Technology program.

In this introductory course, students will explore photography, television, video production, and graphic communication. Students will work on projects and learn to use digital cameras and video broadcasting equipment with photo and video editing software to create slideshows, short movies and even broadcast live events from the school and within the community. Students will work with Final Cut Pro X to edit and add effects to projects. Emphasis will be placed on post-production skills, planning and organizational skills. Students will also learn the importance of planning ahead and meeting deadlines. This course will require self-motivation, creativity and the ability to work collaboratively with others as well as independently.

### **940 BROADCAST TECHNOLOGY II**

GRADES 11 & 12                      2 CREDITS , fulfills Senior Year Math Experience

PREREQUISITE: Successful completion of Broadcast Technology I

In this more advanced course, students will delve more deeply into the capabilities of video broadcasting equipment and video editing software. Students will go in depth in learning Motion, Final Cut Pro X, and DaVinci software to create more sophisticated graphics to include in video projects and live broadcasts. Students will often fill the roles of producer and/or director, discovering what it takes to create independent films and run a successful live broadcast. Students in this course will be expected to take creative initiative with content for local cable television. This will include brainstorming ways to involve a wide variety of content including student work, sporting events, club information, upcoming events, etc. Students in this course will also be working with students in Broadcast Technology I on projects and taking the lead on school and community projects.

## Building Trades Program-SOMERSWORTH

### *Building Trades Program Course Sequence*

*Year 1 - Building Trades I (Full year, CTE Program)*

*Year 2 - Building Trades II (Full year, CTE Program)*

*Potential Embedded College Credits: various credits from New England Institute of Technology, additionally completion of the program fulfills the first year of the Carpenters Union Apprenticeship Program*

*Potential Industry Recognized Certifications: OSHA*

*Potential Costs: all program costs are supported by grant funding, students will be made aware of any changes prior to beginning the program.*

### **941 BUILDING TRADES I**

GRADES 10 - 12                      2 CREDITS , fulfills Senior Year Math Experience

PREREQUISITE: Acceptance into the Building Trades Program.

Students will be introduced to basic skills in construction necessary to identify materials, tools, safety, building codes, blue- print reading, and how to safely construct a building. Students will also learn how to obtain a job and be successful at it. Time is divided between lab and classroom. [21st CLE A2, A3]

### **942 BUILDING TRADES II**

GRADES 11, 12                      2 CREDITS , fulfills Senior Year Math Experience

PREREQUISITE: Successful completion of Building Trades I.

Students will seek to master their basic skills learned in Building Trades I. They will assume the role of leaders and responsibility for the work done at all phases of the construction process. They will sit for their OSHA 10 hr. safety course, and if passed, receive an OSHA 10 card that is good for life. [21st CLE A2, A3]

## CULINARY ARTS PROGRAM-SOMERSWORTH

### *Culinary Arts Program Course Sequence*

*Culinary Arts, Blue Year (Full year, CTE Program)*

*Culinary Arts, White Year (Full year, CTE Program)*

*Each student must successfully pass each year – White & Blue*

*Potential Embedded College Credits: 6 credits - Central Maine CC OR Lakes Region Community College*

*Potential Industry Recognized Certifications: ServeSafe Handler & ServeSafe Manager*

*Potential Costs: all program costs are supported by grant funding, students will be made aware of any changes prior to beginning the program. See below for additional information.*

**9899 CULINARY ARTS, WHITE YEAR (2020-2021)**

GRADES 10, 11, 12                      2 CREDITS, fulfills Senior Year Math Experience

PREREQUISITE: Acceptance into the Culinary Arts program.

This course is designed to educate students to meet the ever-increasing demands of the food service industry. Culinary Arts provides realistic, hands-on experience in the principles of working in and operating a kitchen/dining room through the operation of our own Mulligan's Grill Restaurant, Restaurant, various competitions and field trips. The course covers safety, sanitation, equipment basics and quantity preparation techniques for both the hot food and baking areas of the kitchen. All students are required to pass the ServSafe Food Handler Exam prior to entering the kitchen. This is an entry-level 2-hour online course followed up by a test at the end. Once a student passes the exam, they have an industry recognized certification valid for 3 years. If student does not successfully complete this exam within 3 attempts, there will be a cost of \$15.00 to retake the exam.

In addition, the Blue Year covers the following topics: Stocks, Sauces & Soups, Fruits & Vegetables, Service, Potatoes & Grains, Culinary Math and Operations Management. The ProStart Curriculum, sponsored by the National Restaurant Association is used in this program.

**9810 CULINARY ARTS, BLUE YEAR (2021-2022)**

GRADES 10, 11, 12                      2 CREDITS, fulfills Senior Year Math Experience

PREREQUISITE: Acceptance into the Culinary Arts program.

This course is designed to educate students to meet the ever-increasing demands of the food service industry. Culinary Arts provides realistic, hands-on experience in the principles of working in and operating a kitchen/dining room through the operation of our own Mulligan's Grill Restaurant, various competitions and field trips. The course covers safety, sanitation, equipment basics and quantity preparation techniques for both the hot food and baking areas of the kitchen. All students are required to pass the ServSafe Food Handler Exam prior to entering the kitchen. This is an entry-level 2-hour online course followed up by a test at the end. Once a student passes the exam, they have an industry recognized certification valid for 3 years. If student does not successfully complete this exam within 3 attempts, there will be a cost of \$15.00 to retake the exam.

In addition, the White Year also covers the following topics: Breakfast Food & Sandwiches, Nutrition, Salads & Garnishing, Meat, Poultry & Seafood, Marketing, Desserts, Sustainability and Global Cuisine & Business Operations (Cost Control, Inventory, Purchasing and Marketing). The ProStart Curriculum, sponsored by the National Restaurant Association is used in this program.

**MEDICAL ASSISTING PROGRAM -SOMERSWORTH***Medical Assisting Program Course Sequence*

*Year 1 – Medical Assisting I (Full year, CTE Program)*

*Year 2 - Medical Assisting II (Full year, CTE Program)*

*Potential Embedded College Credit: 3 Credits - Southern Maine Community College*

*Potential Embedded Certifications: Phlebotomy & Medical Assistant CCMA (see below for more details).*

*Potential Costs: see potential costs embedded in the descriptions below, almost all costs are planned to be covered by grant funding, students will be made aware of any costs at the beginning of the program.*

**957 MEDICAL ASSISTING I\***

GRADES 11, 12                      2 CREDITS, fulfills Senior Year Math Experience

PREREQUISITE: Acceptance into the Medical Assisting program.

This course is designed to train medical assistants to work in doctor's offices, hospitals and other ambulatory care settings. MA I focus on tasks such as managing the medical practitioner's appointments, scheduling patient appointments, bookkeeping, billing, updating medical and patient records, taking patient history, managing medical supplies, checking patient's vital signs, and running laboratory tests. Potential Costs Associated with Program: \$118 (Drug Screen & Background Check mandatory for any Clinical work) & \$125 for Phlebotomy Certification Test

**9571 MEDICAL ASSISTING II\***

GRADES 11, 12                      2 CREDITS, fulfills Senior Year Math Experience Credits: 2

PREREQUISITE: Successful completion of Medical Assisting I

This course is designed to train Medical Assistants work in doctor's offices, hospitals and other ambulatory care settings. Medical Assisting II focuses on clinical tasks such as taking medical histories and recording vital signs, explaining treatment procedures to patients, preparing patients for examination, assisting the physician during the examination, sterilizing medical instruments and phlebotomy. Potential Costs Associated with Program: \$118 (Drug Screen & Background Check mandatory for any Clinical work, if not done in Year 1) & \$165 for Medical Assisting Certification Test.

**\*Medical Assisting I & II:**

**YEAR 1:** MA 1 Students will have the opportunity to work towards their Phlebotomy Certification. This will require the following:

- Completing 40 live sticks at a Work Based Learning Site (hospital or other lab location – see BOX below)
- Passing of Phlebotomy Certification Test offered within CTE Program (National Healthcareer Association Student Cost \$125).
- Must occur within 12 months of graduation date

**YEAR 2:** Over the course of MA 1 & 2, students will have the opportunity to study and practice the material needed to sit for the CCMA Medical Assisting Certification. This will require the following:

- Meeting School Attendance Requirements in order to meet clinical standards, and may require time at a Work Based Learning site.
- Passing of the CCMA Certification Test offered within the CTE Program (National Healthcareer Association - Student Cost \$165).
- Must occur within 12 months of graduation date

**Please Note: some of our learning sites require background tests and drug screening, this may have additional costs.**

## THEATRE DESIGN AND TECHNOLOGY -SOMERSWORTH

### *Theater Design and Technology* **Program Course Sequence**

**Year 1** – *Theater Design and Technology I* (Full year, CTE Program)

**Year 2** – *Theater Design and Technology II* (Full year, CTE Program)

*Potential Industry Recognized Certifications: introduction to stagecraft college credit pending*

*Potential Costs: all program costs are supported by grant funding, students will be made aware of any changes prior to beginning the program.*

### **962 THEATER DESIGN AND TECHNOLOGY I**

GRADES 10, 11, 12                      2 CREDITS , fulfills Art requirement

PREREQUISITE: Acceptance into the Theater Design and Technology program.

The Theater Design and Technology program prepares students to participate in the technical and management areas of the performing arts industry. Industry professionals in the field of technical theater will instruct students in two week modules that include theoretical as well as hands-on work. During this two-year program students will learn about set design and construction, lighting design and implementation, sound design and reinforcement, theatrical make-up, set painting and scenic art, costume design and construction, properties management, front of the house management as well as back of the house management which covers marketing, publicity as well as creating programs and advertising of the upcoming productions. In addition, students will possess the foundation skills needed for postsecondary studies in technical theatre. The students who are accepted into the TD&T program are encouraged to be active members of local and school theatre productions. Students accepted into the program will be required to attend performance events and practices outside the normal school day, as Work Based Learning experiences.

### **963 THEATER DESIGN AND TECHNOLOGY II**

GRADES 11, 12                      2 CREDITS

PREREQUISITE: Successful completion of Theater Design and Technology I

In the second year, students will continue working in each area at a more advanced level including design and implementation as well as internships in area theater programs. The students who are accepted into the TD&T program are encouraged to be active members of local and school theatre productions. Students accepted into the program will be required to attend performance events and practices outside the normal school day, as Work Based Learning experiences.