



# NEW FAIRFIELD HIGH SCHOOL



## 2022-2023 PROGRAM OF STUDIES



**RESPECT - ENGAGE - BELONG - EXCEL - LEAD**



January 2022

Dear Students and Families:

The process of selecting courses for the coming school year requires careful planning and decision-making. The goals you have set for your education and post-high school experiences through your Student Success Plan (SSP) will be achieved in large measure through the program you select.

While it is true that your selections should reflect your interests and abilities, be open-minded about your choices and challenge yourself with a balanced program. Analyze the elective offerings in all departments and enrich your experience by trying a variety of courses. Carefully consider the weight of each course (higher weight courses are more difficult) and develop a program of study that increases the rigor of your course load over time to help prepare you for the academic demands of postsecondary experiences.

Appropriate selection of courses during registration helps ensure placement in the course of your choice. This is a collaborative process between you, school staff, and your family. Your teachers will help you by recommending the next appropriate course in your program of study. You will also meet with your school counselor to help you make informed choices and course selections. Please be sure to discuss your course selections thoughtfully with your family before registering for courses.

The administration, faculty, and staff of New Fairfield High School are here to assist students and families in this process and guide our students in meeting their goals. We hope you select a program that will be challenging, enjoyable, and rewarding!

Sincerely,

Mr. James D'Amico

Mr. Michael Chapleau

Mr. Scott Rohwedder

## New Fairfield High School

### MISSION STATEMENT

New Fairfield High School strives to provide a safe educational environment in which students *respect* the right for all to become *engaged* learners and responsible citizens who *belong*, *excel* and *lead* within a diverse society and changing world.

### CORE VALUES & BELIEFS STATEMENT

New Fairfield High School is committed to all students achieving high academic standards and personal wellness, enabling continuous growth through authentic, flexible pathways. By prioritizing connectedness and compassion, we empower all members of our learning community to take ownership of our individual and collective development as we foster the *Attributes of the Graduate*.



# GRADUATES OF THE NEW FAIRFIELD PUBLIC SCHOOLS ARE...



## KNOWLEDGEABLE SCHOLARS



Pursue their interests and curiosities while developing a depth of background knowledge in all of the core academic domains as well as in life skills such as financial literacy, that they can use to solve problems and succeed in life.

## TALENTED COMMUNICATORS

Read, write, listen, speak, create and view skillfully, critically and confidently. They can adapt their style and message for a variety of purposes, situations and audiences. As a result, they have strong relationship skills and can collaborate well. They can manage conflict confidently and respectfully.



## CRITICAL & CREATIVE THINKERS



Access, evaluate and apply information to solve problems, pursue their curiosities and make decisions. They grow their creativity through experiences within the fine and performing arts which will further support their ability to think critically and creatively.

## ENGAGED GLOBAL CITIZENS

Learn about the history of their local community, our country and other countries around the world to understand the value and unique principles of our American democracy. They learn what other cultures are like, so that they can understand, respect and embrace diversity, be socially aware, be kind, compassionate, empathetic and respectful. They obtain information from multiple, reliable sources and use it to be active, civic-minded participants within and beyond their community.



## SELF-DETERMINED & SELF-RELIANT INDIVIDUALS



Set goals, persevere, and reflect as they learn to understand and regulate their emotions and reactions, which will foster their overall health, wellness and mindfulness. Through this they will become intentional, resilient, independent and most importantly, self-reliant.

This vision was co-created by our students, staff, parents and Board of Education. It represents the collective voice of the New Fairfield Public Schools.  
2021



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## Planning/Selecting your Course of Study

This Program of Studies contains detailed course descriptions that have been prepared to assist you and your parents in planning your high school program for next year and the years to come. The importance of careful selection on your part cannot be overemphasized. Your school counselor, members of the staff and the administration are available to assist you in making sound decisions regarding your course selection.

Since most students are unsure of their future plans, the best advice any of us can give our students is to closely examine the broad range of courses and programs available at New Fairfield High School. Students should take the most challenging academic courses in which the student can be successful while also pursuing other interests and talents in non-academic courses and extracurricular activities. The job market is flooded with qualified applicants; often it is the unusual experience or extra talent that gives the applicant the edge when all else is equal. Fluency in additional world languages, advanced technology, advanced computer skills or a creative, artistic flair can open doors.

Our advice is to take advantage of all that New Fairfield High School has to offer. Students should develop a four-year plan and outline the best route to get there. School counselors are of great assistance in helping students get to know themselves and their goals. Counselors are very familiar with the courses and programs within the school as well as the requirements set forth by colleges, universities and the world of work.

### School Counselors 2021-2022

Counselor's Name	Caseload by Students' Last Name
Lisa Dighton	A-D Class 2023-25: A-D, T-V
MaryAnn Smyth	E-F & M-N Class 2023-25: E-F, M-N, S
Richard Garofola	G-L, O-Per & ALC Class 2023-25: G-L, O-R, W-Z
Stephanie Cheung, <i>Dept. Chair</i>	College & Career Counselor
Kimberly Laughlin	Class of 2022: Pes-Z

### New Fairfield Public Schools Nondiscrimination Statement

The Board of Education and New Fairfield Public Schools reaffirms its policy of equal educational and employment opportunity for all students and employees, prohibits discrimination because of race, color, religion, sex, age, natural origin, ancestry, marital status, veteran status, pregnancy, sexual orientation, gender identity or expression, disability, or genetic information in district educational programs and activities, including, but not limited to, course offerings, athletic programs, guidance, counseling, tests and procedures. The District provides equal access to the Boy Scouts and other designated youth groups.

The New Fairfield Public School and Board of Education reaffirms its policy of equal employment opportunity for all persons to prohibit discrimination in employment because of race, color, religion, sex, age, natural origin, ancestry, marital status, veteran status, pregnancy, sexual orientation, gender identity or expression, disability, or genetic information except in the case of bonafide occupational qualification or need.

## Graduation Requirements

In order to graduate from New Fairfield High School a student must earn a minimum 26 *credits* in grades 9 through 12 and must have met the following credit distribution requirements.

Department / Category	Credits	Diploma with Distinction
<b>Humanities Total</b> <i>distributed as follows</i>	<b>9 credits</b>	<b>9 credits</b>
English	4 credits	4 credits
Social Studies <i>including 1 credit of US History</i>	3 credits	3 credits
American Government	0.5 credits	0.5 credits
Fine and Performing Arts	1 credit	1 credits
English, Social Studies, or FAPA**	0.5 credits	0.5 credits
<b>STEM Total</b> <i>distributed as follows</i>	<b>9 credits</b>	<b>9 credits</b>
Mathematics	3 credits	4 credits
Science	3 credits	4 credits
Career & Technical Education (CTE)	1 credit	1 credit
Math, Science, or CTE**	2 credits	
PE & Health	2 credits	2 credits
World Language	1 credit	3 credits <i>must be in the same language</i>
Personal Finance	0.5 credits	0.5 credits
Community Service	0.5 credits	0.5 credits
SEE / Attributes of the Graduate	1 credit	1 credit
Open Credits	3 credits	1 credit
Total Credits	26 credits	26 credits

\*\* If a student takes two world languages for four (4) years, one open credit in Humanities (English, Social Studies, or FAPA) or STEM (Mathematics, Science, or CTE) may be earned.

*Course descriptions include the category in which credit will be awarded.*

## Promotion Policy

Students are promoted to the next grade only if the following credits are attained:

		<u>Credits</u>		<u>Credits</u>
To Grade 10	provisional	5	standard	6
To Grade 11	provisional	11	standard	12
To Grade 12	provisional	18	standard	19
TOTAL TO GRADUATE:				26

## Course Load Requirements

Seniors: Must schedule at least SIX blocks each semester.

Note: Seniors may carry six classes and petition for early release or late arrival if they have 20 credits, are in good academic standing, their course requests are not adjusted to accommodate late arrival/early dismissal and have the approval of their parents.

Juniors: Must schedule at least SEVEN blocks each semester

Sophomores: Must schedule SEVEN blocks each semester.

Freshmen: Must schedule SEVEN blocks each semester.

If you are interested in scheduling more than seven blocks per semester, see your school counselor for approval and course availability.

## Summer School Policy

- Students with a final course average below 60 will be eligible to attend summer school for makeup credit. New Fairfield High School will accept summer school credit for courses repeated at accredited summer schools that parallel our curriculum. Pre-approval from the student's counselor or administrator is required prior to registering at any summer school. Failure to receive prior approval may result in credit not being granted.
- Credits towards graduation or advancement will be granted to students receiving a passing grade in summer school and both grades will be posted to the student's transcript.
- Summer courses taken for enrichment or advancement will be placed on a student's transcript to indicate they have taken it but with no credit toward graduation or GPA without prior approval by the subject Department Chair, the Director of School Counseling and administration.

## Course Registration & Scheduling

The course selection process is outlined below. It is essential that all course selections be made carefully to assure that students are able to pursue their interests and are sufficiently challenged. Students and families should also carefully consider the impact of commitment to extracurricular activities to the student's ability to maintain a healthy, balanced academic and extracurricular program.

## Course Registration Calendar

January 2022	Program of Studies available on NFHS website
January 2022	Presentation & distribution of registration materials to current NFHS students
January 27, 2022	Program of Studies Night for incoming parents & students
February 7 -	Course request window open on PowerSchool for students to enter requests
February 11, 2022	Course Placement Recommendations are available on the Parent Portal for students and parents to view.
February 14 - February 25, 2022	Counselor verification of individual student course requests
March 11, 2022	Student course request changes or waivers due by 2:00pm.
May 2022	Master schedule completed
May - June 2022	School counselors resolve schedule conflicts
Summer 2022	2022 - 2023 Schedules available to students on PowerSchool

## Course Placement & Waiver Procedures

Students are placed in next level courses based on first semester progress in the current course. [Rubrics](#) are established in each department for fair and equitable placement for all students. Additionally, a teacher may suggest a certain level placement based on evidence of work habits and study skills in addition to quantitative data. Being in honors one year does not guarantee honors the next year and vice versa.

It is possible that students' progress will change in the second semester and/or a student will choose to take on the challenge of a higher level course irregardless of course placement recommendation. Therefore, a student and parent may request a waiver to change the recommended course level. Requesting to waive course placement should not be taken lightly and it should be thoroughly discussed by the student, teacher, department head, counselor and parent to ensure students' understanding of course expectations. Students wishing to go through the waiver process should contact their school counselor. Due to the nature of the master scheduling and staffing, students need to submit waivers prior to the end of day March 11th, 2022. Waivers received after this date will not be processed until classes are scheduled and the availability of seats is determined.

## Schedule Change Guidelines

All schedule changes are made in the school counseling office. A change does not take effect until all procedures are complete. Schedule change requests may require parental approval.

It is expected that student schedules will remain firm based on course requests completed in February & March. Any unusual problems related to correct placement, missing course, or course conflicts should be brought to the attention of the student's school counselor immediately.

### LEVEL CHANGE

The decision to change a level in a course must be carefully considered and approached with caution. Changing a level in an academic course must be sought only after a student who is struggling in the early portion of a class has worked to address the issue with the help of his/her teacher.

- A student is allowed to change a level in a year-long course until the end of the first semester.
- Any requests for level changes after the end of the first semester will be reviewed by the teacher, subject area department chairperson, school counselor, and Director of Guidance and will only be granted if there are extreme circumstances that have led to the request



### ADDING A COURSE

Depending on course availability, students may add a course to their schedule as appropriate and without interruption or change to their current schedule.

- Students are not allowed to enroll in a class after the class has been in session for six school days without the mutual consent of the teacher, subject area department chairperson, school counselor, and Director of Guidance.

### DROPPING A COURSE

Students may not drop a course that was requested during the course registration process in February without substantive reasoning and the prior approval of the Director of Guidance. In such rare circumstances, the following guidelines will apply:

- Students who drop courses within the first six school days of a year-long or semester course will receive no record of the course on the report card or transcript.
- Students who drop a course after the first six school days of a year-long or semester course will receive a W on their report card and transcript and no credit regardless of the student's average or grade at the time of withdrawal.
- Students who drop a course after the first six school days and do not have the ability to enter another course will understand they are taking a lower course load than required and may have to make up the credit during the second semester, which could affect study hall time.

### OTHER CHANGES

The following schedule change reasons will be granted with administrative approval prior to the start of the academic year if staffing patterns and course availability allow and result in minimal disruption to a student's schedule.

- Teacher change because a student failed with the same teacher in a previous school year.
- Teacher change because of a previous experience that has been previously brought to the school counselor's attention or otherwise documented.

Requests to move a course from one period to another or one semester to another will not be honored once course sections are appropriately balanced.

### GRADING WITH SCHEDULE CHANGES

When a course level or section is changed once the course is in session, the current grade follows the student and is transferred to the new course. Mastery points may be added to the grade at the new teacher's discretion.

## NCAA Course Requirements

Student athletes who plan on playing for a NCAA college team need to meet certain academic core course requirements during high school. The majority of courses offered at New Fairfield High School are approved for NCAA purposes, however there are a few exceptions. It is imperative that students who plan on playing for a NCAA team speak with their counselor as early as possible to ensure course selection meets NCAA approved courses. For more information visit <http://www.ncaa.org/student-athletes/future/core-courses>

## Early Graduation

The Board of Education has approved a policy allowing students to graduate after seven semesters if all graduation requirements have been met. This should be thoroughly discussed by students with their parents and counselor as early as possible to ensure a plan to meet all graduation requirements. Students who wish to take advantage of this privilege must file for early graduation by April 30th of their junior year. All such requests must be approved by the principal. Students who complete their graduation requirements after seven semesters will receive their diploma at the normal commencement ceremony of their class.

## Honor Roll

The honor roll is a special notation of those students who have demonstrated a high degree of academic

achievement during a marking period. The following criteria are used to determine eligibility for the honor roll. Students must carry a required course load in order to be eligible for the honor roll.

Honors:

Student must earn no grade lower than B- in any class.

High Honors:

Student must earn no grade lower than:

A- in any College Preparatory or Non-Academic level class

B+ in any Honors level class

B in any AP level class

### Valedictorian/Salutatorian Selection

The valedictorian and salutatorian of each graduating class are selected based on 7th semester GPA. The student with the highest weighted academic GPA is designated valedictorian, while the student with the second highest weighted academic GPA is named salutatorian. If the two highest grade point averages are identical, co-valedictorians will be named, and no salutatorian will be designated. These students must have been enrolled in New Fairfield High School as full-time students for a minimum of four full semesters and must attend New Fairfield High School during their senior year.

### Top Decile Students

The top decile scholars are designated alphabetically utilizing a cumulative weighted GPA including the first semester of senior year. These students must have been enrolled in New Fairfield High School as full-time students for a minimum of four full semesters and must attend New Fairfield High School during their senior year.

### Course Weighting and Class Rank

The New Fairfield School System provides differentiated quality points for the purpose of weighting academic courses by level of difficulty. Calculation of the quality points assigned to academic courses multiplied by the grades a student achieves determines a student's Grade Point Average (GPA).

New Fairfield High School calculates two Grade Point Averages (GPA). The first tier is the weighted academic GPA, which includes grades earned in English, world languages, mathematics, science, social studies, and any other honors or advanced placement courses in elective areas. (The point value for each grade can be found in the table below. The second GPA is the overall GPA, which includes unweighted grades in all courses, and uses the weight 3 values for each grade. Academic and overall GPAs are reported on the student's transcripts. For membership in the National Honor Society only the weighted academic GPA is used.

## Overall Grade Point Average

<i>Instructional Weight</i>	A+	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F
	100 - 98	97 - 93	92 - 90	89 - 87	86 - 83	82 - 80	79 - 77	76 - 73	72 - 70	69 - 67	66 - 63	62-60	59-0
Weight 5 AP	5.00	4.67	4.33	4.00	3.67	3.33	3.00	2.67	2.33	2.00	1.67	1.33	0
Weight 4 Honors	4.67	4.33	4.00	3.67	3.33	3.00	2.67	2.33	2.00	1.67	1.33	1.00	0
Weight 3 College Prep	4.33	4.00	3.67	3.33	3.00	2.67	2.33	2.00	1.67	1.33	1.00	.67	0
Weight 2 Non-Academic	4.00	3.67	3.33	3.00	2.67	2.33	2.00	1.67	1.33	1.00	.67	.33	0

### Weight Definitions

Weight 5: Advanced Placement (AP) and Early College Experience courses are at the difficulty level of a college course. Advanced Placement courses require students to follow a prescribed and/or standardized curriculum that prepares students to take an externally prepared exam which may allow them to receive college credit and/or be exempt from introductory college courses. ECE courses require students to follow criteria and expectations as defined by an affiliate college to meet the requirements of a college course. A student who is accepted into these courses should possess the skills necessary to perform college level work during high school.

Weight 4: Honors courses offer a curriculum designed to challenge the student who has demonstrated a high degree of proficiency in a particular subject. The student who is accepted into an honors course should be an independent, self-directed learner. The honors student will have demonstrated the following attributes:

- exceptional communication skills,
- a genuine interest in the subject,
- task commitment necessary to pursue an in-depth exploration of the course content,
- ability to handle a rapid-paced curriculum,
- ability to develop responses to assignments which are not predetermined by a teacher,
- ability to determine appropriate criteria for a task and to evaluate the quality of his/her own work.
- consistency in homework completion, study skills, test preparation and time management.

Weight 3: College Preparatory courses require outside-of-class preparation of at least three hours a week. A research paper, independent work, or project which demonstrates the application of skills and/or knowledge is also required. The application of previously mastered skills, techniques and/or introduction of advanced skills and/or techniques is emphasized. The course contains more complex material and/or emphasizes greater in-depth application of that material.

Weight 2: Non-academic courses do not require outside-of-class preparation and may have prerequisites.

Independent Study courses are assigned weight after students complete their independent study and objectives.

Note: All students transferring into the district during high school will have their previous transcripts evaluated by the guidance director. Comparable course weights will be assigned to all transferred courses so that students will not be penalized nor advantaged in class rank.

## Additional NFHS Programs

### Alternative Learning Center (ALC)

The two Alternative Learning Centers, one in the daytime and the other after school, are designed for students at risk of not graduating and/or students unable to attend the day school program. ALC has a limited enrollment and students must apply to be accepted. Students successfully completing all graduation requirements in the ALC are eligible for a NFHS Diploma. Interested students should speak with their school counselor.

### School and Community Service

The School and Community Service Program encourages enriching opportunities in order to develop a sense of responsibility to and for the community as a whole. New Fairfield High School students are required to complete 60 hours of community service (recommended 15 hours per year). All community services must be submitted by May 1 of senior year in order for students to earn the mandatory credit and leave for SEE. Community service forms to submit hours can be found on the School Counseling website, in the School Counseling office, or in the College & Career Center. Forms can be submitted in the College & Career Center. Students can meet with the College and Career Coordinator or their school counselor to discuss ideas for community service. Community service opportunities are emailed to students and families as well as posted on the Community Service Board outside the College & Career Center. Community service must be done through a non profit organization and students must not be paid for community service. Click here for the [Community Service Resource Document](#).

### Senior Enrichment Experience (SEE)

SEE was created to provide seniors with a beneficial and constructive alternative during their last few weeks of high school allowing them a hands-on experience into the world of work. SEE opportunity gives these soon-to-be independent adults a glimpse into the real world. SEE is a graduation requirement. Students must secure the place, business or department where they will work as well as provide their own transportation. Student athletes must negotiate a working schedule to accommodate spring sports. Support for SEE planning begins at the start of senior year.

SEE will take place during the last four weeks of school, beginning in mid-May through the end of the school year. During these four weeks, all participants must log their 25 to 30 hour work week and keep a daily journal. SEE students must meet the SEE Coordinators at least once during the project. At the conclusion of the internship, all participants are required to present their work at the SEE Fair. During their presentations, the students will be assessed by their mentor using the school-wide rubric consisting of the daily journals, observations, assessments from the mentor as well as the presentation itself.

### Independent Study

Students who have taken all courses available in a subject and still wish to pursue that area more in depth can do so through an Independent Study. Students, working with a teacher, will create their own course and assessment structure. Students will be expected to work through their planned course of study and present to a committee a portfolio of their learnings at the end of the Independent Study. Independent studies can be taken for a half credit or a full credit. Grading and the weight of the course is determined through the portfolio presentation at the end of the independent study. Independent study packets can be found with the Registrar in the school counseling office. Planning and approvals for independent studies must take place the school year before the independent study is expected to be scheduled. June 1st is the deadline for submitting Independent Study packets for the next school year.

### College & Career Pathways Program

Students interested in Allied Health or Art & Design can choose to participate in the New Fairfield Pathways Program. The pathways designate a set list of cross-disciplinary coursework, credit beyond high school opportunities, co-curricular connections, professional immersion and other required activities that fully immerse the student into their field of interest. While pathways are not required, those who complete a pathway will find themselves having a dynamic plan for life after high school with plenty of in depth and authentic experiences to learn from. Please refer to the planning guides at the end of this document. There is potential for more pathways to be developed in the coming years. Students interested in Pathways should talk with their counselor.

### Early College Experience

Early College Experience (ECE) provides academically motivated students the opportunity to take university courses while still in high school. These challenging courses allow students to preview college work, build confidence in their readiness for college, and earn college credit that provides both an academic and a financial head-start on a college degree. ECE instructors are high school teachers certified as adjunct professors by the university and create a classroom environment fostering independent learning, creativity and critical thinking - all pivotal for success in college. New Fairfield High School offers a variety of courses in ECE and is exploring the expansion of ECE offerings in the near future. NFHS ECE courses are listed in the chart below with the amount of college credit you can earn. ECE students must successfully complete the course with a grade of C or above in order to receive university credit. University credits are highly transferable to other colleges and universities. Students must register with the university and are charged a fee through ECE in order to be eligible for the college credit.

NFHS Course	Department	College	Credit
Young Americans	English	University of Connecticut	3
AP Spanish Language & Culture	World Language	Western Connecticut State University	3
AP Calculus AB	Math	Western Connecticut State University	3
AP Calculus BC	Math	Western Connecticut State University	3
AP Statistics	Math	Western Connecticut State University	3
AP Biology	Science	University of Connecticut	4 or 8
AP Physics	Science	University of Connecticut	4
Medical Terminology (semester)	Science	University of Connecticut	2
Intro to Allied Health (semester)	Science	University of Connecticut	1
Pop Music & Diversity (semester)	Music	University of Connecticut	3



# Art

New Fairfield High School offers both art electives as well as a structured, sequential art program for those students wishing to take advantage of the art track. The art track consists of a core program and electives taken sequentially to fully develop the skills necessary for a final art portfolio. The art track is designed for two purposes: (1) to introduce the student to a variety of media and techniques which may be developed into a proficiency conveying individual style and expression and, (2) to provide the student with an in-depth knowledge of the history of important and pivotal artworks and the cultures that shaped them. All art classes will have the opportunity to present their work in the annual NFHS art show held in May.

	Course	Grade Levels			
05102	Studio I	9	10	11	12
05112	Studio II	9	10	11	12
05202	Studio III		10	11	12
05212	Studio IV		10	11	12
05505	AP Studio (2D & 3D design)		10	11	12
05515	AP Art History		10	11	12
05222	Photography I	9	10	11	12
05232	Photography II		10	11	12
05242	Commercial Art & Design	9	10	11	12
05252	Sculpture	9	10	11	12
05272	Publications		10	11	12

## Studio I

1 Semester | 0.5 credit

Grade 9-12

FAPA

Wt 2

In Studio Art I, the student practices the basic concepts of art. Principles of composition and design will be emphasized in the areas of drawing, painting, collage, sculpture, printmaking and art history. The student is given the opportunity to investigate his/her ability, creativity and originality using various art materials and techniques in the expression of art, and expand and enrich his/her cultural background. Studio Art I is required for students intending to take more advanced and selective art courses.

## Studio II

1 Semester | 0.5 credit

Prerequisite: Studio I

Grade 9-12

FAPA

Wt 2

Studio Art II is designed to help the student translate the 3-dimensional world onto a 2-dimensional surface. Included will be drawing techniques in pencil, charcoal, felt tip marker, pen, and pastel, with emphasis on creative expression. The students will learn to use oil paints and watercolors to create compositions using good design and color theory. Individual style and expression will be encouraged. A study of aesthetics and art history will be part of the course.

## Studio III

1 Semester | 0.5 credit

Prerequisite: Studio I & II

Grade 10-12

FAPA

Wt 2

Students will solve more advanced compositional problems and apply specialized visual techniques including abstraction and perspective. The course will include figurative representation, compositional forms and critiques.

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Students will pursue projects with depth and concentration. There will be perceptual and conceptual studio experiences. Multimedia techniques utilizing graphite, ink, paint, pen, and brush will be used to help students develop individual expression. Students who sign up for Studio III should also sign up for Studio IV in the same year or Studio IV students can take AP Studio Art simultaneously with Studio IV the next year. Artwork created in either Studio 3 or 4 can be included in the AP portfolio with teacher approval.

**Studio IV**

1 Semester | 0.5 credit  
Prerequisite: Studio I, II & III

Grade 10-12  
FAPA  
Wt 2

Studio Art IV is a continuation of Studio III. Students will study compositional design, pictorial illustration, creative and inventive imagery as well as traditional subject matter. This will include a variety of art projects that explore student concepts in painting, drawing, printmaking and collage with greater depth. Artwork created in Studio 4 can be used in the AP portfolio with teacher approval.

**AP Studio Art (2D & 3D Design)**

Full Year | 1 credit  
Prerequisite: Studio I, Studio II, two other art courses, a portfolio review, and department approval  
All students taking this course are expected to take the AP exam.

Grade 11-12  
FAPA  
Wt 5

AP Studio Art is for the advanced, highly-motivated art student who wants to pursue an in-depth study of media (drawing, painting, three-dimensional work, printmaking, commercial art, and photography.) Students will explore personal expression, solve problems, as well as build conceptual skills. The course requires a high degree of commitment for the purposes of meeting college standards and the potential to earn college credits based on the discretion of the college. Students are expected to attend two field trips; one in the Fall and one in the Spring. The Advanced Placement Studio Art exam is not based on a written test; instead, students will submit portfolios for evaluation during the first week in May. Students will need to decide which ONE portfolio they will prepare for the final AP evaluation from the following categories: A) Drawing Portfolio which includes at least 24 top-quality paintings/drawings, B) Two-Dimensional Portfolio which includes at least 20 top-quality multimedia art works, C) Three-Dimensional Portfolio of 25 top-quality sculptures. For further information on this course, consult the NFHS Art Department or the Advanced Placement web site at [www.apcentral.collegeboard.org](http://www.apcentral.collegeboard.org) and search for AP Studio Art. Artwork created in other classes can be included in the AP Portfolio with teacher approval.

**AP Art History**

Full Year | 1 Credit  
All students taking this course are expected to take the AP exam.

Grade 10-12  
FAPA  
Wt 5

AP Art History is designed to provide an understanding and enjoyment of architecture, sculpture, painting and other art forms within historical and cultural contexts. Students examine major forms of artistic expression from the past and the present from a variety of cultures. They learn to examine works of art critically, with intelligence and sensitivity, and to analyze what they see. Students who have excelled in other courses in the humanities or in any of the studio arts are especially encouraged to enroll. Students are expected to attend two field trips; one in the Fall and Spring.

**Photography I**

1 Semester | 0.5 credit

Grade 9-12  
FAPA  
Wt 2

Learn how to express your creativity through photography! This introductory course will teach you the basics of good design and composition, how to apply the elements and principles of design, explore the art and history of photography, and understand how to choose your own digital camera settings with apertures and shutter speeds by using a digital SLR (single lens reflex) camera. Class digital SLR cameras will be available for students to learn these basics, but students will also need to take photos with their own digital camera (a smartphone or digital camera with at least 10 megapixels). Students will create a quality photography portfolio consisting of specific,

varied projects and enter some of their photos in the NFHS art show. *Completion of Studio I is recommended but not a prerequisite.*

**Photography II**

1 Semester | 0.5 credit

Prerequisite: Photo I

Grade 10-12

FAPA

Wt 2

This advanced photography course is designed for students who are interested in expanding their knowledge and experience in photography. Students will apply Photography I skills (choosing apertures and shutter speeds, achieving good design/composition, applying elements and principles of design, exploring the art and history of photography) and use them accordingly to achieve more challenging photo assignments. Technological capabilities will include downloading images to iMacs and/or scanning, along with choices to manipulate them in Photoshop or Illustrator software programs. Students will work on a variety of projects that will culminate with a quality portfolio and be prepared to show some of their photos in the NFHS art show.

**Commercial Art & Design**

1 Semester | 0.5 Credit

Grade 9-12

FAPA or CTE

Wt 2

This semester course for all students grades 9-12 offers the creative skills and art aesthetics necessary to execute well planned design layouts that incorporate visuals and/or text of commercial art. Students will explore the design basics of choosing fonts, styling, sketching ideas, brainstorming, measuring, problem solving and layout of mechanicals for reproduction using technology such as InDesign, Photoshop and Illustrator. Various applications of advertising and publishing projects may include posters, magazines, CD/DVD jackets, books, newspapers, logos and product packaging. This course will provide skills necessary for designing the yearbook in the Publications/Yearbook class. *Completion of Studio I is recommended but not a prerequisite.*

**Sculpture**

1 Semester | 0.5 credit

Grade 9-12

FAPA

Wt 2

Students will explore the tactile art of sculpture, producing three-dimensional forms using various materials such as clay, cardboard, wire, wood, mobiles, etc. The course stresses production, craftsmanship and aesthetics, integrating the knowledge and development of sculpture in the history of art that has guided and expanded our understanding of the beauty and richness of diverse cultures.

**Publications**

Semester 1 | .5 Credit

Prerequisite: Students must fill out an application and be interviewed by the advisor

Grade 10-12

FAPA or CTE

Wt 2

Publications as a class is a production workshop for the yearbook, open to grades 10-12. The basic skills of designing layouts, shooting, selecting and cropping photos using Photoshop, writing and fitting copy, developing theme, preparing camera-ready artwork and working with desktop publishing will be taught and utilized. Each student will be responsible for fund-raising activities in advertising and yearbook sales to meet production costs. This course may be taken more than once. Students who would like to be considered for the leadership editor positions (2 positions available) in their senior year must take this course in 10th or 11th grades. Leadership management positions (Business Manager, Design Manager and Photo Manager positions can be held in any grade.) Meetings are periodically held after school.

# Business

At New Fairfield High School a number of business programs are offered. The intent is to nurture economic self-sufficiency, a positive attitude based on the premise that learning is a lifelong endeavor, and adaptability to change. Business education curriculums integrate basic academic skills with technical knowledge and skills, workplace ethics and attitudes, an understanding of marketing concepts as well as personal and business economics. *\*Students interested in more business courses, such as accounting, are encouraged to review the Virtual High School catalog and enroll in a course through their counselor.*

	Course	Grade Levels			
12132	Information Processing Skills	9	10	11	12
12122	Personal Finance	9	10	11	12
12103	Introduction to Business	9	10	11	12
12263	Entrepreneurship		10	11	12
12333	Business Law	9	10	11	12
12213	Marketing I		10	11	12
12313	Marketing II			11	12

## Information Processing Skills

1 Semester | 0.5 credit

Grade 9-12

CTE

Wt 2

This course will provide skills for students to develop skills in documents, interviewing, resumes, writing, reading, business writing, face-to-face communication via the phone, E-mail, and listening skills. Additionally, this one semester course is designed for students to learn skills associated with a variety of common computer applications. Focus will be directed toward presenting an overview of the capabilities of a variety of Google applications, Docs (word processing), Sheets (spreadsheets), Slides (presentations), Forms (surveys). This course provides integrated training through a learn/practice/sustain/assess plan of skill building & leadership. Information processing and skill-building combines keying and formatting skills with document planning/designing and language skills including proofreading. This course provides school-to-work transition.

## Personal Finance

1 Semester | 0.5 credit

Grade 9-12

PF

Wt 2

Managing Your Personal Finances will focus on the various aspects of personal finance. Students will discover ways to maximize their earning potential, develop strategies for managing and investing their financial resources, develop skills for using credit wisely including the benefits of a good credit rating, and the tax system. In addition students will become familiar with legal contracts used by credit card companies and banks. Students will also learn how to use insurance to protect their financial resources. *This is a requirement for graduation.*

## Introduction to Business

1 Semester | 0.5 credit

Grade 9-12

CTE

Wt 2

Introduction to Business is an introductory course in the basic structure and terminology of business. Course topics provide students with a wide base of knowledge including economic systems, the American banking system, insurance, budget preparation and the securing of credit. Additionally, students benefit from the career development information covered throughout the course. Students especially enjoy the business simulation incorporated into the course curriculum. Guest speakers from area banks and businesses are an integral part.

**Entrepreneurship**

1 Semester | 0.5 credit

Prerequisite - Passing grade in Introduction to Business

Grade 10-12

CTE

Wt 2

Learn to start and build your own business. Entrepreneurs are the backbone of our country. Statistics show that more jobs will be created in the coming years by entrepreneurs starting businesses than by all the existing corporations combined. Get involved with an entrepreneurial activity during this semester. Learn the skills necessary to launch and operate a business including the role of technology and communication in its success. The focus of this course will be on preparing a business plan and learning to manage a small business.

**Business Law**

1 Semester | 0.5 credit

Grade 9-12

CTE

Wt 2

Business Law covers various facets of law including constitutional statutes, common law, the law of contracts, the law of sales, bailments, principal/agent relationships and negotiable instruments. Emphasis is placed on how each topic of law affects an individual's personal and business life. Guest speakers from law enforcement, school administrators and area attorneys enhance the course by providing their expertise in the areas of law discussed in this course.

**MARKETING EDUCATION**

The use of hands-on learning activities increases student involvement and adds a sense of personal meaning for students. Students are empowered to interact with the real world and become excited and committed to projects in which they play key decision-making roles. As needed in the world of work, students learn to communicate, to create, to think on their feet, and to meet tight timelines. Learning to work as part of a team, sometimes as a responsible leader and sometimes as a team player, is an important skill. Listening, reflecting, providing constructive feedback, and carefully considering the ideas of others are important skills to take to the workplace.

**Marketing I**

Full Year | 1 credit

Grade 10-12

CTE

Wt 3

This course acquaints students with the basic principles of marketing and further develops an understanding of the career opportunities in the areas of advertising, fashion merchandising, and marketing research. An academic presentation of marketing principles is coupled with an opportunity for pragmatic application of these principles in such activities as the student-operated and student-managed school store. Learned marketing concepts and principles are applied to the production of the Annual DECA Fashion Show. Membership in the local chapter of DECA is encouraged and participation in related field trips and marketing competitions is recommended.

**Marketing II**

Full Year | 1 Credit

Prerequisite - Passing grade in Marketing I

Grade 11-12

CTE

Wt 3

The second year of Marketing takes the student beyond the basic marketing principles of the first year course. Resume development, cover letters and in-depth interviewing techniques will be explored to assist students with college interviewing as well as post-secondary career interviews. In order to develop a full understanding of marketing and business practices, students will research a marketing-related field of interest and present their project at the DECA State and National Career Development Conferences. Promotion will be explored through computer application projects along with presentations from guest speakers in the field of promotion. Second-year marketing students will also take on the managerial aspects of producing the Annual DECA Spring Into Fashion Show. Students will have an opportunity to attend the Universal Sports and Entertainment marketing seminar in Florida.



# English

All students are required to pass four years of core English in order to graduate. The English program is an integrated one in which reading, writing, and oral communication are taught in concert and are mutually reinforced. These processes provide tools for clarifying, expressing, and learning new ideas in all curricular areas.

Course		Grade Levels			
01103	English I	9			
01104	English I Honors	9			
01203	English II		10		
01204	English II Honors		10		
01313	American Literature			11	
01304	American Literature Honors			11	
01403	Individual Perspectives				12
01967	Diverse Perspectives				12
01963	Sports & Outdoor Literature				12
01964	Exploring Justice & Injustice through Lit.				12
01965	Film as Literature				12
01966	Ethics, Persuasion & Manipulation				12
01305	AP Language and Composition			11	12
01405	AP Literature and Composition			11	12
01416	Humanities Honors				12
01425	Young Americans ECE				12
01612	Creative Drama	9	10		
01602	Theater Workshop			11	12

**English I**  
Full Year | 1 credit

Grade 9  
Humanities | Eng  
Wt 3

English I is a college prep class and provides each student with exposure to the various elements of literature and the English language. Students will read a variety of fiction, poetry, drama, and nonfiction texts based on thematic units. Writing is extensive and based on the writing process.

**English I Honors**  
Full Year | 1 credit

Grade 9  
Humanities | Eng  
Wt 4

This honors course provides the same content as English I with more in-depth processing of information. It is both reading-and writing-intensive. Students are expected to be able to engage critically and constructively in the exchange of ideas, accept constructive criticism and learn from it. Self-motivation and self-discipline along with strong organizational skills are expected. There is a high level of academic and habits of work expectation in this honors class.

**English II**

Full Year | 1 credit

Grade 10

Humanities | Eng  
Wt 3

This college prep class is designed as a survey of the major literary genres. The student will continue the study of literary genres and nonfiction begun in 9th grade, and writing assignments will parallel each of the genres. Students continue to develop composition skills by creating their own writing as well as responding to literature.

**English II Honors**

Full Year | 1 credit

Grade 10

Humanities | Eng  
Wt 4

English II Honors is designed to provide selected students with a continuation of the in-depth study of English language and literature begun in Honors I. Students will explore the effect of culture on the theme and atmosphere of short stories. They will study the use of particular vocabulary to create style and tone. In addition to the core curriculum provided for all tenth graders, Honors II students are expected to engage in interpretation of more challenging novels and to initiate independent inquiry into the issues surrounding the events in the literature under study. Reading and writing assignments are extensive, and frequent projects requiring creative problem solving are assigned. Theme writing is incorporated into this course, and students are expected to complete an advanced, literature-based research paper. There is a high level of academic and habits of work expectation in this honors class. This class moves at a fast pace, and students are frequently expected to complete tasks independently and outside of school.

**American Literature**

Full Year | 1 credit

Grade 11

Humanities | Eng  
Wt 3

This college prep class offers an in-depth study of American history and literature from the late 1800s to the present day. From an English perspective, students will read and analyze a variety of literary and nonfiction works with a focus on historical context. From a historical perspective, students will examine the causes and effects of significant social, political, and economic events in American history and evaluate how these events impacted American culture and America's interactions with other nations.

**American Literature Honors**

Full Year | 1 credit

Grade 11

Humanities | Eng  
Wt 4

American Literature Honors explores the development of literature and literary movements throughout our nation's history. Students will consider the early European presence in what is now the United States, the transition from colony to country, the spirit of individualism, national and international conflict and expansion, the changing face of America, and the postmodern complexities of what it means to be American. A thorough analysis and critical reflection is used in the multiple readings. Each unit delves into the historical context, literary movements and criticism, texts across genres and historical periods, and the applicability of literary themes to our current world and lives. There is a high level of academic and habits of work expectation in this honors class. This class moves at a fast pace, and students are frequently expected to complete tasks independently and outside of school.

**Humanities Honors**

Full Year | 1 credit

Grade 12

Humanities | Eng  
Wt 4

Through the study of Humanities, students explore the search for individual and social identity in an ever changing world. They investigate how philosophers, authors, and artists examine the human condition, explore universal principles, and portray the unique struggles that each of us meets as we develop a sense of identity and purpose. The units of study in this course are titled: Truth, Beauty and Meaning, Power, and Knowledge and

Vision. Students read a variety of classic and contemporary literary works and write a variety of pieces, including literary analyses, narratives, creative works, and research-based position papers. This course encourages students to hone critical thinking, analytical reading, fluent writing, and advanced language skills as it prepares them for the varied English courses they may take in college.

### Senior English Selectives

Students interested in the weight 3 English option for senior year need to select any two of the following six 0.5 credit selectives to meet the 1 credit requirement. Students enrolling in Honors, AP or ECE senior English courses may choose to add selective(s) in addition to their Honors, AP or ECE course.

### **Sports and Outdoor Literature**

1 semester | 0.5 credit

Grade 12  
Humanities | Eng  
Wt 3

In this course, students read and analyze literature and journalism focused on sports and outdoor living. Through biographies, autobiographies, journalistic articles, and interviews, students explore the impact that sports and outdoor life has on individuals, communities, and countries, including civil and gender rights movements. In addition, they develop their creative and journalistic writing skills, as well as their interview and public speaking skills. As in all senior English courses, students practice the power of language to build understanding, empower individuals, and spark change as they develop their own effective, unique writing and speaking skills.

### **Exploring Justice and Injustice through Literature**

1 semester | 0.5 credit

Grade 12  
Humanities | Eng  
Wt 3

In this course, students read and analyze a variety of literary and non-fiction works to study the impact of social injustice and explore effective practices to promote social justice at the individual, community, and global levels. This course offers students the opportunity to read prose and poetry, view documentaries and film, and listen to interviews and music as they study all of the ways that individuals and groups work as catalysts for change. In addition, students read essays and arguments that analyze the nature of justice and injustice, and they have the opportunity to debate, discuss, and construct arguments to defend or dispute the positions of leaders, philosophers, and each other.

### **Film as Literature**

1 semester | 0.5 credit

Grade 12  
Humanities | Eng  
Wt 3

Film, like literature, has the power to transport us to a new world - to stimulate our imaginations and show us new places, experiences, and perspectives. Film, including documentaries, also has the power to inform, enrage, motivate, and change us. In this course, students learn how filmmakers turn the written word into visual art, read literature that is aligned with specific films, and compare and contrast the two media. In addition, students evaluate the impact of varied films and analyze what makes them powerful. Students write creatively and persuasively throughout the course.

### **The Power of Language: Ethics, Persuasion & Manipulation**

1 semester | 0.5 credit

Grade 12  
Humanities | Eng  
Wt 3

Through this course, students study how leaders, lawyers, advertisers and journalists use the power of language and rhetoric to argue, persuade, and even manipulate their audiences. Students explore the role of technology in influencing individuals and shaping society, weighing the benefits of an internet that broadens perspectives but also has the power to manipulate information and people. As an essential part of this course, students explore the ethics behind the rhetoric and determine when and if there should be ethical parameters as we practice freedom of speech in America. This course will challenge students to analyze rhetorical strategies and then practice them through debate and argument.

**Individual Perspectives**

1 semester | 0.5 credit

Grade 12  
Humanities | Eng  
Wt 3

Through this course, students explore the fundamental questions that face each of us as we encounter the world. *Why are we here? Do we have free will? What is a meaningful life? How do we develop a sense of personal identity?* Students learn the fundamentals of psychology and philosophy and analyze how authors portray the search for self, the challenge to maintain integrity, and the desire to find happiness. The course includes a study of mythology and the connection between philosophy, psychology, and mythology, specifically the hero's journey. While there are no certain answers, the goal of this course is to encourage reflection and develop an appreciation for literature to spark reflection and contemplation. As in all senior courses, students will hone critical thinking, analytical reading, fluent writing, and advanced language skills.

**Diverse Perspectives**

1 semester | 0.5 credit

Grade 12  
Humanities | Eng  
Wt 3

Through this course, students study how families, social groups, and the larger society shape the individual's values, beliefs and behaviors. They read literary works that explore the challenges of balancing individual identity with societal norms, and they reflect on the influences that have shaped their own lives. Students then learn how communities and countries develop diverse beliefs, behaviors, and perspectives based on environment, interactions, and cultural practices. Again, they read literary works that share diverse perspectives and experiences to increase their awareness of why diversity occurs and how it can benefit the larger society. As in all English courses, students apply critical thinking, analytical reading, fluent writing, and advanced language skills to study, synthesize, and respond to course content.

**AP English Language and Composition**

Full Year | 1 credit

Grade 11-12  
Humanities | Eng  
Wt 5

All students taking this course are expected to take the AP exam. Multiple hours outside of class are expected in order to prepare readings and writings. Students in this course are independent workers who function at a college level. There is a mandatory meeting with the instructor for all students who want to take AP Language and Composition in order to fully understand the demands of this class.

AP Language and Composition expects students, "To demonstrate their ability to read with care and discrimination a range of texts from historical periods in a variety of modes and moods." The majority of the works will be by American authors. The students will strive to, "Demonstrate their mastery of the skills and abilities in analyzing the rhetoric in prose." Students are also asked to demonstrate their skill in composition by writing essays of different lengths in various rhetorical modes. Skills will be applied and honed in class through discussion and writing.

**AP English Literature and Composition**

Full Year | 1 credit

Grade 11-12  
Humanities | Eng  
Wt 5

All students taking this course are expected to take the AP exam. Multiple hours outside of class are expected in order to prepare readings and writings. There is a mandatory meeting with the instructor for all students who want to take AP Language and Composition in order to fully understand the demands of this class.

AP Literature includes a program encompassing literature, language, and composition. The multiple readings will be varied and focus on a wide range of genres and themes from the 15th century forward. Students will build an understanding of the forces that shape literature and decipher the elements that give literature its power. Every AP student will build his/her ability to read the most challenging literature in an active, practical, analytical way.

Skills will be applied and honed in class through discussion and writing. Students who take this course are those whose skills in reading, research, and oral and written communication enable them to function on a college level during high school.

**Young Americans ECE**

Full Year | 1 credit

Grade 12  
Humanities | Eng  
Wt 5

This course seeks to take a look at specific elements of social change commencing around the start of the twentieth century to current day, by exploring shifting views on agency and oppression insofar as these issues affect modern day thinking of twenty-first century young adults. This exploration, through literary and historical texts, is an attempt to draw conclusions about what has changed for the better or worse, if indeed anything has changed at all, in the arena of race and gender issues, and more broadly explores agency of the voiceless. Through readings and discussions, students will investigate, through the lens of the last 100 years or so, what it means to be a young American - whether white or of color, male, female, young, old, heterosexual or from the LGBTQIA+ community. Students may be eligible for college credit through UConn's "Early College Experience" Program in American Studies or elective credit.

English Electives

Electives may be taken in addition to, but not in place of, the above courses, and do not count toward the 4 English credits graduation requirement; however, can be used toward the open electives in Humanities or the Fine and Performing Arts (FAPA) requirement.

**Creative Drama**

1 Semester | 0.5 credit

Grades 9-10  
FAPA or Humanities  
Wt 2

Creative Drama focuses on three primary aspects of the theater: The history of the theater, improvisation, and theatrical presentation (monologues and scenes). Students are expected to participate on a daily basis in activities, which include role playing, vocal exercises, theater games, readings of plays, historical research group presentations, and improvisations, monologues, and theatrical performances.

**Theater Workshop**

1 Semester | 0.5 credit

Grades 11-12  
FAPA or Humanities  
Wt 2

Theater Workshop focuses on the further development of improvisational skills and theatrical presentation begun in Creative Drama. This course offers a more in-depth approach to acting and directing which involves discussion, activities, and exercises from various schools/philosophies of acting. Students are expected to participate daily in vocal exercises, audition skills, theater games, advanced improvisations, sense memory exercises, animal work, and monologues and scenes from contemporary and classical plays. Written assignments include an actor's journal in preparation for acting a role, reflections, and critiques and evaluations of professional award-winning film directing and acting. This course is appropriate for students who want to explore the possibility of a professional acting or directing career or who simply want to have a rich, creative opportunity to hone their public speaking and interviewing skills. In the competitive job market of the 21st century, the ability to present oneself as poised, confident, and articulate is of paramount importance.



# Family & Consumer Sciences

The Family & Consumer Sciences Department offers a wide range of courses which are open to all high school students. Through these courses students will gain skills in functioning more effectively as individuals and as members of family groups during their adolescent years and in later life.

	Course	Grade Levels			
19102	Fashion Design I	9	10	11	12
19112	Fashion Design II		10	11	12
19122	Interior Design	9	10	11	12
19202	Culinary Arts I		10	11	12
19212	Culinary Arts II		10	11	12
19232	Personal Growth		10	11	12
19242	Child Development		10	11	12
19302	Early Childhood Workshop			11	12
19222	Sports Nutrition			11	12
19213	Culinary Practicum			11	12

## **Fashion Design I**

1 Semester | 0.5 credit

Grade 9-12  
FAPA or CTE  
Wt 2

Students will learn foundational sewing skills, how to read a pattern, purchase fabric and use a sewing machine. Students will make a variety of projects that are designed to increase ability and skill levels. Current fashion trends are also explored.

## **Fashion Design II**

1 Semester | 0.5 credit

Prerequisite: Fashion Design I

Grade 10-12  
FAPA or CTE  
Wt 2

Students in Fashion Design II will build upon the skills learned in Fashion Design I. Students will make a refresher project such as onesie pajamas and then choose projects based on their ability level. Students may also choose to create a t-shirt quilt for college or a traditional one for home. Fashion topics covered are Body Shapes, Fashion Designers, and personal Coloring are explored.

## **Interior Design**

1 Semester | 0.5 credit

Grade 9-12  
FAPA or CTE  
Wt 2

This course offers an introduction to the professional, technical and aesthetic aspects of the interior environment. Students study residential interior design by combining studies in art, history, computers, and business. Challenging activities expose students to the production of technical drawings, the latest technology in solving problems, and presentation of plans as they relate to textiles and feng shui methods.

## **Culinary Arts I**

1 Semester | 0.5 credit

Prerequisites: Pass food safety test in the beginning of the course.

Grade 10-12  
CTE  
Wt 2

Is the extent of your cooking expertise reheating food in the microwave? If so, sign up for this introductory culinary course. You'll start out learning the basics of knife skills then learn how to cut apart a chicken. You will also learn how to make muffins, omelets, pizza, then progress to handmade pasta and chicken fried rice. Come have fun and enjoy the foods you make.

**Culinary Arts II**

1 Semester | 0.5 credit

Prerequisites: Culinary Arts I and pass a food safety test in the beginning of the course.

Grade 10-12

CTE

Wt 2

After learning the basics in Culinary Arts I, you'll learn how to plan, shop and prepare nutritious and tasty foods whether you're cooking for yourself, your family or a large crowd. You will have the chance to create your own menu and run your own restaurant. You will learn how to properly cook a steak and build on your skills. You will learn more about food-related illnesses and cooking methods.

**Sports Nutrition**

1 Semester | 0.5 credit

Grade 11-12

CTE

Wt 2

Do you play on a team, belong to a gym, or like to exercise? If you are an athlete or just concerned about your health, this class will provide valuable information. Students will learn about nutrition and performance, weight management, pre-competition meals, and menu and meal planning.

**Personal Growth**

1 Semester | 0.5 credit

Grade 10-12

CTE

Wt 2

Issues of concern to teenagers will be addressed in this class. The first quarter will cover the development of self-concept, values, goals, communication and decision making. The second quarter will focus on areas that affect a teen's life such as drugs and alcohol, stress, healthy relationships, and peer pressure. Class discussions, videos, simulations and group projects are all a part of this course.

**Child Development**

1 Semester | 0.5 credit

Grade 10-12

CTE

Wt 2

Child Development explores the psychological, physical, social, and intellectual development of the child from birth to age two. Students will be able to recognize changes created by the parental role and will learn the importance of prenatal care and the stages of pregnancy and childbirth. A major project includes taking care of "Baby Think It Over" for a weekend.

**Early Childhood Workshop**

1 Semester | 0.5 credit

Prerequisite: C or above in Child Development

Grade 11-12

CTE

Wt 2

Early Childhood Workshop gives students firsthand experience working with young children and also helps to prepare students for any future career with children. Students will learn developmental tasks of children, how to plan developmentally appropriate activities and how to operate a preschool. Students will be responsible for putting what they learn into practice in the Three Little Peggy's preschool at NFHS. Students will work one on one with a child, assessing their knowledge and helping them to grow. Students have the opportunity to take the class multiple times or for the full year with teacher's permission and as availability allows.

**Culinary Practicum**

Full Year | 1 credit

Prerequisite: Culinary Arts I &amp; Culinary Arts II

Grade 11-12

CTE

Wt 4

This applied education course offers students multiple options available in the Culinary Arts field. This course is designed to expand on skills learned in Culinary Arts 1 and 2. Students will create menus, order guides and manage the Rebel Cafe. Students will also meet with clients, create menus and promote catering events. This course is recommended for students interested in a career in culinary arts, event planning or food service management. A partnership with Naugatuck Valley Community College will allow you to earn college credits.

**Application Required.** See Mrs. Barkley or your counselor for the application.

# Mathematics

In order to graduate, each student is required to acquire three credits in mathematics including successful completion of Algebra I and Geometry. It is also highly recommended that each student take Algebra 2 in order to be college and career ready. Students are required to bring a graphing calculator to class each day (*TI-83, TI-84, or TI-84+ are the preferred graphing calculators*).

Since the curricula for honors level courses are enriched, students must meet specific standards for acceptance into any honors course and be recommended by a teacher. Honors courses cover similar standards to the college preparatory courses, but learning is at a deeper conceptual level with a more rigorous pace. Honors level courses will require additional work outside of class time and may require memorization of formulas and procedures.

AP courses are instructed at the college level and therefore have an extremely rigorous pace. The topics are presented at a deep conceptual level and require heavy memorization. Students will be expected to invest a significant amount of time working outside of the classroom. All AP classes have a summer work requirement associated with them and students who take the courses are expected to take the AP test.

Course	Grade Level			
02103 Algebra I	9	10		
02203 Geometry	9	10	11	12
02204 Geometry Honors	9	10		
02303 Algebra II		10	11	12
02304 Algebra II Honors		10	11	
02503 College Math Topics				12
02403 Pre-Calculus			11	12
02404 Pre-Calculus Honors			11	12
02505 AP Calculus (AB)   ECE			11	12
02515 AP Calculus (BC)   ECE			11	12
10605 AP Computer Science			11	12
02603 Introduction to Statistics			11	12
02615 AP Statistics   ECE			11	12

**Pre-Algebra** (*not being offered in the 2022-2023 school year*)

Full Year | 1 credit

Prerequisite: By Recommendation Only

Grade 9  
STEM | Math  
Wt 2

This course is designed to be a review of basic algebraic concepts and proportional reasoning as well as computational algorithms using whole numbers, fractions and decimals. Study skills and applications will be stressed throughout the course. Upon completion of this course, students will be prepared to enroll in Algebra I.

**Algebra I Lab**

Full Year | 1.5 credit

Prerequisite: Math 8 or Pre-Algebra

Grade 9-10  
STEM | Math  
Wt 3

Algebra I builds off the algebraic foundations of the 8<sup>th</sup> grade mathematics class. The course begins with solving linear equations and inequalities in one variable, then to graphing and writing linear functions in two variables. Students move next to solving systems of linear equations and operations with polynomials and analyzing quadratic functions. Finally, students receive an introduction to exponential functions. *A graphing calculator is required for this course.* Algebra I includes an additional .5 block of mathematics intervention and instruction every

other day. The lab block focuses on skills that students need in order to be successful in both the Algebra I course and on the SAT. Students in this course will receive a .5 credit that will be applied towards their elective credits. Students are recommended for a math lab using a variety of data points such as standardized testing, mastery of standards and teacher recommendation.

**Geometry**

Full Year | 1 credit

Prerequisite: Algebra I

Grade 9-12

STEM | Math

Wt 3

This course explores geometry from the most basic elements of points, lines, and planes. The course covers such topics as parallel and perpendicular lines, triangle congruence and similarity, triangle relationships, polygons, quadrilaterals, right triangles and trigonometry, and circles. *A graphing calculator is required for this course.*

**Geometry Lab**

Full Year | .5 credits

Prerequisite: Algebra 1. Taken concurrently with Geometry.

Grade 9-10

STEM | Math

Wt 3

Geometry Lab is an additional .5 block of mathematics intervention and instruction every other day. The lab block focuses on skills that students need in order to be successful in both the Geometry course and on the SAT. Students in this course will receive a .5 credit that will be applied towards their elective credits. Students are recommended for a math lab using a variety of data points such as standardized testing, mastery of standards and teacher recommendation.

**Geometry Honors**

Full Year | 1 credit

Prerequisite: Algebra I with teacher recommendation

Grade 9-10

STEM | Math

Wt 4

Geometry Honors explores geometry from the most basic elements of points, lines, and planes. The course covers such topics as parallel and perpendicular lines, triangle congruence and similarity, triangle relationships, polygons, right triangles and trigonometry, and circles. There is heavy emphasis on coordinate geometry, transformations, and geometric constructions. *This course may require additional tools, such as a compass. A list will be provided by the teacher at the beginning of the course. A graphing calculator is required for this course.*

**Algebra II**

Full Year | 1 Credit

Prerequisite: Geometry (May be taken concurrently with department chair approval)

Grade 10-12

STEM | Math

Wt 3

Algebra II extends the concepts of Algebra I into increasingly complex functions. The course begins with quadratic functions and complex numbers, and then proceeds into higher-order polynomial functions, radical functions, exponential and logarithmic functions, rational functions and probability. *A graphing calculator is required for this course.*

**Algebra II Lab**

Full Year | .5 credits

Prerequisite: Geometry. Taken concurrently with Algebra II.

Grade 10-12

STEM | Math

Wt 3

Algebra II Lab is an additional .5 block of mathematics intervention and instruction every other day. The lab block focuses on skills that students need in order to be successful in both the Algebra II course and on the SAT test. Students in this course will receive a .5 credit that will be applied towards their elective credits. Students are recommended for a math lab using a variety of data points such as standardized testing, mastery of standards and teacher recommendation.

**Algebra II Honors**

Full Year | 1 credit

Prerequisite: Geometry Honors with teacher recommendation  
(May be taken concurrently with department chair approval)Grade 10-11  
STEM | Math  
Wt 4

Algebra II Honors extends the concepts of Algebra I into increasingly complex functions. The course begins with quadratic functions and complex numbers, then proceeds into higher-order polynomial functions, radical functions, exponential & logarithmic functions, and rational functions. The course finishes by exploring advanced topics, such as sequences & series, trigonometric functions, and probability. *A graphing calculator is required.*

**College Math Topics**

Full Year | 1 credit

Prerequisite: Algebra II

Grade 12  
STEM | Math  
Wt 3

This senior year integrated mathematics course includes topics in algebra, probability and statistics and financial literacy. Students will solve first, second and higher degree equations as well as equations in two variables. Students will investigate topics that will provide them the opportunity to use and interpret statistics. Study skills and applications will be stressed throughout the course. This course is designed to give students a fourth year of preparatory math and will review and develop the skills needed for the SAT/ACT, the Accuplacer Exam, the ASVAB, and basic credit-bearing college mathematics courses. *A graphing calculator is required for this course.*

**Pre-Calculus**

Full Year | 1 credit

Prerequisite: Algebra II

Grade 11-12  
STEM | Math  
Wt 3

Pre-Calculus provides a preparation for students planning to take a college-level calculus course. Students will explore advanced algebraic topics beginning with a functional approach to rational functions, exponential and logarithmic functions, and advanced trigonometry functions with applications. Additional advanced topics may include sequences and series, conic sections and matrices. *A graphing calculator is required for this course.*

**Pre-Calculus Honors**

Full Year | 1 credit

Prerequisite: Algebra II Honors with teacher recommendation

Grade 11-12  
STEM | Math  
Wt 4

Pre-Calculus Honors provides a rigorous preparation for Advanced Placement Calculus or its college equivalent. Students will explore advanced algebraic topics beginning with a functional approach to rational functions, exponential and logarithmic functions, and advanced trigonometry functions with applications. Additional advanced topics include sequences and series, conic sections, matrices, polar and parametric functions, and an introduction to limits. *A graphing calculator is required for this course.*

**AP Calculus AB | ECE**

Full Year | 1 credit

Prerequisite: Pre-Calculus Honors

All students taking this course are expected to take the AP exam

Grade 11-12  
STEM | Math  
Wt 5

Advanced Placement Calculus consists of a full academic year of college-level calculus. This course is intended for students who have a thorough knowledge of college preparatory mathematics including advanced algebra, trigonometry and analytic geometry (rectangular and polar coordinates, equations and graphs, lines and conics). Topics and level of rigor are determined by the College Board, and will include limits, derivatives, derivation rules, related rates and other derivative applications, integrals, and integral applications. Since the graphing calculator is a requirement on the AP exam and the test relies heavily on its use, *a graphing calculator is required for this course.* *Upon successful completion of this course students may receive credit from Western Connecticut State University.*

**AP Calculus BC | ECE**

Full Year | 1 credit

Prerequisite: Pre-Calculus Honors

All students taking this course are expected to take the AP exam.

Grade 11-12

STEM | Math

Wt 5

Advanced Placement Calculus consists of a full academic year of college-level calculus. This course is intended for students who have a thorough knowledge of college preparatory mathematics including advanced algebra, trigonometry and analytic geometry (rectangular and polar coordinates, equations and graphs, lines and conics). Topics and level of rigor are determined by the College Board. The AP Calculus BC course includes all of the topics from the AB class above with the addition of calculus applications in sequences and series, advanced integration, polar and parametric derivatives and integrals. Since the graphing calculator is a requirement on the AP exam and the test relies heavily on its use, *a graphing calculator is required for this course. Upon successful completion of this course students may receive credit from Western Connecticut State University.*

**AP Computer Science A**

Full Year | 1 credit

1 Credit

Prerequisite: Algebra II (May be taken concurrently)

All students taking this course are expected to take the AP exam.

This course does not fulfill the math credit requirement for graduation.

Grade 11-12

CTE

Wt 5

AP Computer Science A is an intensive college course with a major emphasis on programming, methodology, algorithms and data structures. Applications of computing provide the context in which these subjects are presented. Treatments of computer systems and the social implications of computing are integrated into the course. Students will learn to write programs in the JAVA language. This course is designed to meet the objectives of a first semester computer science course at the college level.

**Introduction to Statistics**

Full Year | 1 credit

Prerequisite: Algebra II

Grade 11-12

STEM | Math

Wt 3

Introduction to Statistics is divided into the topics of probability and statistics. Students in this course will focus on the collection, analysis and the interpretation of data from the investigation of real world situations. Topics include variance, standard deviation, correlation, coefficients, linear regression, confidence intervals as well as conditional probability. This project-based course is designed for students who would like to pursue a math elective after the completion of Algebra II or Pre-calculus and are interested in data analysis. *A graphing calculator is required for this course.*

**AP Statistics | ECE**

Full Year | 1 credit

Prerequisite: Algebra II

All students taking this course are expected to take the AP exam.

Grade 11-12

STEM | Math

Wt 5

The purpose of the AP Statistics course is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students will be exposed to four broad conceptual themes: exploring data, planning a study, anticipating patterns, and statistical inference. The course adheres to the philosophy and methods of modern data analysis. Since the graphing calculator is a requirement on the AP exam and the test relies heavily on its use, *a graphing calculator is required for this course. Upon successful completion of this course students may receive credit from Western Connecticut State University.*



# Music

	Course	Grade Levels			
05660	Symphonic Band	9	10	11	12
05623	Wind Ensemble	9	10	11	12
05642	Concert Choir	9	10	11	12
05653	Chamber Singers		10	11	12
05662	Band/Choir	9	10	11	12
05696	Music Technology I	9	10	11	12
05697	Advanced Music Technology	9	10	11	12
05693	Music Theory		10	11	12
05695	AP Music Theory		10	11	12
05698	Pop Music & Diversity ECE		10	11	12

**Symphonic Band**  
Full Year | 1 credit

Grade 9-12  
FAPA  
Wt 2

Symphonic Band is an instrumental music performance class available to all high school students. Band activities include fall pep band, marching performances in the fall and spring, and concert performances throughout the winter and spring. In addition to class rehearsals, extra rehearsals will occur during the fall and periodically throughout the year to combine the different sections of the band. Aspects of tone, intermediate technique, sight reading and tuning skills will be stressed. The more proficient student will be encouraged to participate in the Regional Music Festival auditions.

**Wind Ensemble**  
Full Year | 1 credit

Grade 9-12  
FAPA  
Wt 2

Prerequisite: Audition and permission from instructor

Wind Ensemble is open to a limited and select number of students with previous band experience including woodwinds, brass winds and percussion. Members of the ensemble will be expected to participate in performances outside of school and to participate in all band activities (see Band). In addition to class rehearsals, extra rehearsals will occur during the fall and periodically throughout the year to combine the different sections of the ensemble. Acceptance is by audition held in the weeks before course sign-up in the spring. Once accepted, students are expected to commit to a schedule that allows them to enroll in the course.

**Concert Choir**  
Full Year | 1 credit

Grade 9-12  
FAPA  
Wt 2

Concert choir is open to all high school students who wish to sing in a performing group. Through performances and rehearsals, students have an opportunity to be exposed to a wide range of musical styles including classical, popular, and show music. The basic aspects of tone production, singing technique, diction, and music reading will be covered. The concert choir performs throughout the winter and spring.

**Chamber Singers**

Full Year | 1 Credit

Prerequisite: Audition and permission of the instructor

Grade 10-12

FAPA

Wt 3

Chamber Singers is open to a limited number of students with previous choral experience. Members are expected to participate in a number of performances outside school, in addition to performances with the Concert Choir. Members are also expected to participate in the All-State and Regional Music Festival auditions. Acceptance is by audition, held in the weeks before course sign-up in the spring. Once accepted, students are expected to commit to a schedule that allows them to enroll.

**Band/Choir**

Full Year | 1 credit

Grade 9-12

FAPA

Wt 2

Band/choir is open to students with an interest in both instrumental and vocal music. Students prepare music for both band and choir and participate in all performances of both ensembles. Because of the increased responsibilities of being in both Band and Choir, students are expected to practice at home more frequently.

**Music Technology**

1 Semester | 0.5 credit

Grade 9-12

FAPA

Wt 2

This introductory course is open to any student with a desire to learn about the ever-changing world of Music Technology. This course will introduce students to the basics of using a computer for music: musical notation technology, MIDI technology, digital audio technology, and recording studio techniques. Lab activities will place an emphasis on the operation and components of a typical MIDI and digital audio lab (hardware and software). Additionally, students will be able to demonstrate how technology can be used to aid in the recording and presentation of acoustic instruments as well as how electronic music can be produced or recorded through hands-on, real life experiences.

**Advanced Music Technology**

1 Semester | 0.5 credit

Prerequisite: Pass Music Technology I with a grade of 80 or better.

Grade 10-12

FAPA

Wt 2

This semester-long course will build upon a student's understanding of music theory and fundamentals of using software and hardware tools for producing music. The class will stress application and creative content, using a series of project-based learning activities which includes student exposure to performing with electronic instruments and vocal recording, multi-track recording (both MIDI sequencing and live instruments), music arranging, and music history. This course is a hands-on, applied class delivering to students an experience with digital music and video editing/recording software applications: GarageBand (Digital Audio Editing Workstation) and iMovie (Video Editing).

**Music Theory**

1 Semester | 0.5 credit

Prerequisite: One year participation in either Band or Choir or permission of the instructor

Grade 10-12

FAPA

Wt 2

Music Theory is geared towards the student who has a serious interest in music and a desire to learn about its component parts. Music Theory will develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. These abilities will be developed through listening and performance exercises (sight-singing and diction), compositional exercises (including 17th century four-part chorales), and analytical exercises (written and aural, including chordal analysis). Several music compositions will be required. Music Theory is offered concurrently with AP Music Theory.

**AP Music Theory**

Full Year | 1 credit

Prerequisite: Permission of the instructor

All students taking this course are expected to take the AP exam.

Grade 10-12

FAPA

Wt 5

The goal of AP Music Theory is to develop a student's ability to recognize, understand and describe the basic materials and processes of music that are heard or presented in a score. These abilities will be developed through listening and performance exercises (sight-singing and diction), compositional exercises (including 17th century four-part chorales and 18th century fugue subjects), and analytical exercises (written and aural, including choral and form analysis.) AP Music Theory students are expected to spend two periods a rotation in the music room working independently on sight-singing and ear-training exercises. This course requires the completion of a summer assignment.

**Pop Music and Diversity (ECE)**

1 Semester | 0.5 credit

Grade 10 -12

FAPA

Wt 5

An introduction to popular music and diversity in America: jazz, blues, Top-40 pop, rock, hip-hop, and other genres. Musicians and their music studied in the context of twentieth-century and contemporary American society, emphasizing issues of race, gender, class, and resistance. This course will be taught at a college course pace. *Upon successful completion of this course students may receive credit from the University of Connecticut.*

# Health and Physical Education

Health and physical education is an integral part of the high school curriculum, and is required of all 9<sup>th</sup>-12<sup>th</sup> graders. Students are required to take a total of two credits in health and physical education to meet graduation requirements. To meet this requirement, students will take one semester each year of Personal Wellness which includes .25 health credit and .25 physical education credit.

	Course	Grade Levels	
08103	Personal Wellness 9	9	
08104	Personal Wellness 10	10	
08105	Personal Wellness 11	11	
08106	Personal Wellness 12		12
08603	Emergency Medical Technician	11	12
08612	Lifeguard Training	11	

**Personal Wellness 9**  
1 Semester | 0.5 Credit

Grade 9  
PE  
Wt 2

The foundation of the Personal Wellness 9 course is to provide knowledge about the interrelationship of healthy behaviors and physical activity. Students will apply this knowledge as a guide to the prevention of diseases and other health problems. An understanding of current health information and concepts enables students to become health-literate, self-directed learners, which establishes a foundation of healthy and balanced living. Students will also receive training in First Aid and Hands on CPR.

**Personal Wellness 10**  
1 Semester | 0.5 credit

Grade 10  
PE  
Wt 2

Personal Wellness 10 is designed to show the linkages between the components of comprehensive school health education and comprehensive physical education that lead to a healthy and balanced life. Personal Wellness 10 supports students in making connections and applying skills for a lifetime. A balance of wellness activities include moderate to vigorous physical activity through a variety of aerobic and anaerobic physical activities. Health topics include Mental Health, Emotional Health, Chronic Diseases, and Substance Abuse.

**Personal Wellness 11**  
1 Semester | 0.5 credit

Grade 11  
PE  
Wt 2

Personal Wellness 11 is designed to show the linkages between the components of comprehensive school health education and comprehensive physical education that lead to a healthy and balanced life. Personal Wellness 11 supports students in recognizing the importance of establishing healthy relationships and decision making skills . A balance of wellness activities include moderate to vigorous physical activity through a variety of aerobic and anaerobic physical activities.

**Personal Wellness 12**  
1 Semester | 0.5 credit

Grade 12  
PE  
Wt 2

Personal Wellness 12 provides an in-depth look at the skills and concepts necessary to adopt and maintain lifelong wellness. Through a variety of instructional strategies, students practice the essential concepts which determine personal values that support a healthy lifestyle. An emphasis is placed on preparing the graduate to make sound decisions regarding their health and wellness throughout their lifetime.

Physical Education Electives

The following courses will be offered on the basis of enrollment, and may be taken in the grades as indicated. Carefully read the prerequisites, requirements, fees and credit awarded.

**Emergency Medical Technician**  
Full Year | 1 Credit

Grade 11-12  
STEM | CTE  
Wt 3

The Emergency Medical Technician course is an outstanding elective for students interested in careers in emergency services or health care. This in-depth program uses lecture and hands-on lab components to teach students how to provide emergency medical care. Students will be required to study and apply concepts in topics such as patient assessment, medical and traumatic injury care, and emergency management. Students will learn in both classroom and lab simulation environments before moving on to clinical practice on the ambulance and in the Danbury Hospital Emergency Department. Upon completion of this program the student will be eligible to test for certification at the National Registry Certified Emergency Medical Technician: Basic Level. Students may take this course only for elective credit. There is a fee for the workbook.

**Lifeguard Training**  
1 Semester | 0.5 credit

Grade 10-12  
STEM | CTE  
Wt 2

Prerequisite: 15 years of age, 500 yard continuous swim, and good swimming ability as measured by Red Cross standards

This course is the Red Cross program for prospective lifeguards. The course also includes First Aid and CPR, and upon successful completion will include certification. There is a fee for certification. All students must pass a swimming test that will be conducted in the spring of the previous school year.

# Science

Each student at NFHS will take Biology, Chemistry and Physics beginning in the ninth grade. Each course is based upon the Next Generation Science Standards (NGSS) and course descriptions are found under each course name. Information about the science standards can be found at [www.nextgenscience.org](http://www.nextgenscience.org). Students will take the CT NGSS Science Assessment during their junior year. 9th grade students will have an opportunity to take Biology, Honors Biology, or STEAM21 Biology (see Science Placement Rubric on the next page). After the 9th grade year, students can be placed into Conceptual Chemistry, Chemistry, Honors Chemistry, or Accelerated Chemistry/Physics (see Science Placement Rubric). Following Chemistry, students can be placed into Conceptual Physics, Physics, or Honors Physics. Chemistry and physics courses include laboratory investigations involving the collection and analysis of data using *Scientific calculators (i.e. TI-84)*. *Students should purchase a calculator prior to the start of these courses*. In addition to the core courses, there are several elective courses that are available to students. AP Courses in Chemistry and Environmental Science as well as UCONN ECE/AP Courses in Physics and Biology are also available to students once they complete the course prerequisites.

	Course	Grade Levels			
03203	Biology	9			
03204	Honors Biology	9			
03223	STEAM21 Biology	9			
03214 / 03224	Accelerated Chemistry/Physics	10			
03505	AP Biology   ECE Option		11	12	
03302	Conceptual Chemistry	10			
03303	Chemistry	10			
03304	Honors Chemistry	10			
03515	AP Chemistry		11	12	
03333	STEAM21 Chemistry	10			
03403	Physics		11	12	
03402	Conceptual Physics		11		
03404	Honors Physics		11	12	
03413	STEAM21 Physics		11	12	
03525	AP Physics 1   ECE Option		11	12	
03535	AP Environmental Science		11	12	
03603	Human Anatomy & Physiology		11	12	
03614	Medical Terminology through Human Pathology   ECE		11	12	
03623	Astronomy	9	10	11	12
03633	Meteorology	9	10	11	12
03643	Environmental Science		10	11	12
03653	Human Genomics			11	12
03834	Allied Health Professionals   ECE			11	12



**Biology**

Full Year | 1 credit

Grade 9  
STEM | Science  
Wt 3

Biology is a foundational life science course in which students explore the essential principles of biological studies. The essential concepts the course will address are: principles of ecology including energy transfers between organisms (photosynthesis and cellular respiration), cell biology (structure and function) including cancer and stem cell research, chemistry of life (inorganic and organic), the importance of genetic material (structure and function) including heredity and ethics, history of the Earth, evolutionary biology, and human impact on the Earth.

**Honors Biology**

Full Year | 1 credit

Prerequisites: See Science Placement Rubric for minimum requirements.

Grade 9  
STEM | Science  
Wt 4

Honors Biology is a carefully developed course designed to cover biological principles including biochemistry, cell structure and function, expression of the genetic code in DNA and the diversity of living systems. Students apply their knowledge to new developments and technologies in the fields of genetics, ecology and medicine. The course follows a sequence similar to Biology with greater depth in content, research projects and laboratory investigations. Honors Biology provides an excellent foundation for future biology courses including AP Biology and AP Environmental Science.

**STEAM21 Biology**

Full Year | 1 credit

Prerequisites: Requires acceptance to the STEAM21 Program.

Grade 9  
STEM | Science  
Wt 3 with Wt 4 option

STEAM21 Biology is a fast-paced course covering the most exciting fundamentals of life science, including cell biology, genetics, biotechnology, evolution, ecology, and history of the Earth. Students develop an understanding of essential scientific concepts as well as biological literacy for making informed personal and social decisions. Inquiry and critical thinking tasks are incorporated throughout the course. In addition, through participation in the course-long challenge, students engage in the engineering design process as they become part of a research team. The research team designs a biologically inspired product or technology. When applicable, attendance at experiential events and the Students Exposition is required. Students can earn honor credit based on exemplary work and performance that will be presented and defended in front of a STEAM21 panel of teachers.

**Accelerated Chemistry/Physics**

Full Year | 1 credit

Prerequisite: See Science Placement Rubric for minimum requirements.

Grade 10  
STEM | Science  
Wt 4

Accelerated Chemistry/Physics is a one year acceleration for the science student who is interested in pursuing science in college. Students will rely on excellent problem solving skills and students will be expected to keep up with a much faster pace. Students selected for this rigorous, fast-paced program will complete chemistry and physics in one year before taking AP science courses in 11<sup>th</sup> and 12<sup>th</sup> grades. In addition, students will complete an independent Earth Science module in preparation for the NGSS Science Assessment in their junior year.

**AP Biology | ECE**

Full Year | 1 credit

Prerequisite: Passing grade in Biology and Algebra II (may be taken concurrently). This course is equivalent to a one-year (two semesters) College Introductory Biology course.

Grade 11-12  
STEM | Science  
Wt 5

The UCONN ECE/AP Biology course is designed to be the equivalent of a college introductory biology course. The UCONN ECE/AP course in biology differs significantly from the usual first high school course in biology with respect to the type of textbook used, the range and depth of topics covered, the quality of laboratory work

completed is the equivalent to the laboratory component of a college course. The UCONN ECE/AP Biology course is designed to be taken by students after successful completion in high school chemistry. It aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science. The goals of the course cover three general areas: molecules and cells, genetics and evolution, and organisms and populations. Consult <https://apstudent.collegeboard.org/apcourse> for a more detailed course description. Students may be eligible for college credit through UConn's "Early College Experience" Program in Biology or elective credit.

**Conceptual Chemistry**

Full Year | 1 credit

Prerequisite: Completion of Biology, Math and Science Teacher Recommendation

Grade 10  
STEM | Science  
Wt 3

Conceptual Chemistry is a physical science course that explores the concepts of combustion, energy transfer, atomic structure, chemical bonding, and chemical reactions. Inquiry, mathematics and laboratory skills are incorporated throughout the course. Throughout the year, these chemical principles are applied to the earth system to give students a richer understanding of the world around them.

**Chemistry**

Full Year | 1 Credit

Prerequisite: Completion of Biology and passing grade in Algebra 1

Grade 10  
STEM | Science  
Wt 3

Chemistry is a physical science that focuses on the following concepts: combustion, energy transfer, atomic structure, chemical bonding, chemical reactions, and stoichiometry. Students are taught the mathematical applications, laboratory methods and technical writing skills necessary for a solid background in basic chemistry. Throughout the year, these chemical principles are applied to the earth system to give students a richer understanding of the world around them.

**Honors Chemistry**

Full Year | 1 Credit

Prerequisites: See Science Placement Rubric for minimum requirements

Grade 10  
STEM | Science  
Wt 4

Honors Chemistry will stress the following concepts: combustion, energy transfer, atomic structure, chemical bonding, chemical reactions, and stoichiometry. Students will apply these concepts to geological and atmospheric systems. Students will be responsible for successfully completing in-depth problem solving sets designed to independently test their reasoning and logic capabilities, as well as enhancing their innate proficiency. Laboratory experimentation will involve greater emphasis on the discovery of specific chemical concepts prior to classroom exposure.

**AP Chemistry**

Full Year | 1 credit

Prerequisite: Chemistry and Pre-Calculus (may be taken concurrently).

*This course is equivalent to a one-year (two semesters) College Introductory Chemistry course.*Grade 11-12  
STEM | Science  
Wt 5

AP Chemistry is a course that will build upon skills and concepts learned in a first year chemistry course. Students who are successful in this class will seek extra help as needed. Students will explore chemical systems through the study of atomic theory and structure, chemical bonding, molecular geometry and bonding theories, gases, liquids, and solids, stoichiometric equilibrium, kinetics, thermodynamics, electrochemistry, and descriptive chemistry. Laboratory work is an essential component of this course. Students will explore through inquiry and analyze household goods through titration and spectral analysis. Students will also be assessed through laboratory work. Students interested in studying engineering, health sciences (including nursing, pharmacy, and pre-medicine), and science majors are recommended to take this course. Consult <https://apstudent.collegeboard.org/apcourse> for a more detailed course description.

**STEAM21 Chemistry**

Full Year | 1 Credit

Prerequisite: Completion of Biology. Must pass at least one year of math.

Requires acceptance to the STEAM21 Program.

Grade 10

STEM | Science

Wt 3 with Wt 4 option

STEAM21 Chemistry is a fast-paced course covering atomic structure, bonding, reactions and stoichiometry. Students are taught mathematical applications, laboratory methods and technical writing skills necessary for a solid background in basic chemistry. The chemical principles of Earth science are also explored. In addition, through participating in the course-long challenge students engage in the engineering design process as they become part of a research team. The research team designs a chemically inspired product or technology. Attendance at experiential events and the Student Exposition is required. Students can earn honors credit based on exemplary work and performance that will be presented and defended in front of STEAM21 panel of teachers.

**Conceptual Physics**

Full Year | 1 credit

Prerequisite: Completion of Biology and Chemistry, Math and Science Teacher Recommendation

Grade 11-12

STEM | Science

Wt 3

Physics includes the study of all types of motion and the laws of mechanics that govern motion. In addition, the topics of thermodynamics, electricity, magnetism, wave motion, and modern physics are investigated. Appropriate mathematics is taught as required. Extensive laboratory investigations are completed, culminating in laboratory reports that connect physics concepts to real-life experiences.

**Physics**

Full Year | 1 credit

Prerequisite: Completion of Biology and Chemistry and must pass 2 years of math (including Algebra 1)

Grade 11-12

STEM | Science

Wt 3

Physics includes the study of all types of motion and the laws of mechanics that govern motion. In addition, the topics of thermodynamics, electricity, magnetism, wave motion, and modern physics are investigated. Appropriate mathematics is taught as required. Extensive laboratory investigations are completed, culminating in laboratory reports that include a mathematical evaluation of empirical data obtained during experimentation. Students will be prepared for college courses in science and will develop their mathematical analysis and problem-solving skills.

**Honors Physics**

Full Year | 1 credit

Prerequisites: Precalculus (can be taken concurrently)

Honors Algebra 2 taken concurrently with a required Science teacher recommendation

Grade 11-12

STEM | Science

Wt 4

The honors physics program covers all of the topics presented in the general physics program, but in greater detail, and with considerably more comprehensive mathematical applications. This course will prepare students to take the SAT II Physics exam. A strong mathematics background is essential for the successful completion of the course.

**STEAM21 Physics**

Full Year | 1 credit

Prerequisite: Completion of Biology and Chemistry, must pass 2 years of math (including Algebra 1). Requires acceptance to the STEAM21 Program.

Grade 11-12

STEM | Science

Wt 3 with Wt 4 option

Physics 21 is a fast-paced course that provides students with a basis for understanding the fundamental laws of nature as well as the role of physics in important technological innovations for the future. Appropriate mathematics is taught as required. Central concepts and applications of physics are studied through real world contexts using inquiry and laboratory-based investigations. Physics laboratory reports require a mathematical evaluation of empirical data obtained during experimentation. In addition, through participation in the

course-long challenge, students engage in the engineering design process as they become part of a research team. The research team designs a product or technology based on the fundamentals in physics. Attendance at experiential events and the Student Exposition is required. Students can earn honors credit based on exemplary work and performance that will be presented and defended in front of STEAM21 panel of teachers.

**AP Physics I | ECE**

Full Year | 1 credit

Grade 11-12

STEM | Science

Prerequisite: Passing grades in both Physics and Algebra II. Precalculus may be taken concurrently.

Wt 5

All students taking this course are expected to take the AP Exam.

UConn ECE Physics/AP Physics I course includes topics in both classical and modern physics. A knowledge of algebra and trigonometry is required for the course; the basic ideas of calculus may be introduced in connection with physical concepts, such as acceleration and work. Understanding the basic principles involved in the solution of problems is a major goal of this course. The following topics will be covered: kinematics, Newtonian mechanics, mechanical energy, simple harmonic motion, rotational dynamics, waves, and DC circuits. Consult <https://apstudent.collegeboard.org/apcourse> for a more detailed course description. Students may be eligible for college credit through UConn's "Early College Experience" Program in Physics or elective credit.

**AP Environmental Science**

Full Year | 1 Credit

Grade 11-12

STEM | Science

Prerequisite: Passings grades in both Biology and Algebra I.

Wt 5

All students taking this course are expected to take the AP exam.

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. The course covers topics, which are on the border of science and humanities. Consult <https://apstudent.collegeboard.org/apcourse> for a more detailed course description.

**Science Electives**

Students can choose science electives in addition to their Biology, Chemistry and/or Physics course or as part of a fourth year of senior science.

**Human Anatomy & Physiology**

1 Semester | 0.5 credit

Grade 11-12

STEM | Science

Prerequisite: C or better in Biology and Chemistry

Wt 3

A 10th-Grade student may take this elective with a required science teacher recommendation.

Human Anatomy & Physiology is offered to students who wish more detailed explanations of the structures and functions of the human body. This course is relevant to all students, because they all possess a human body, but it will be especially valuable to students interested in healthcare majors in college such as nursing, pre-med, physical therapy, athletic trainer, etc. Human Anatomy and Physiology will cover the 11 body systems. There are no formal laboratory reports, rather students will present on the activities, labs and dissections that will be done. Students interested in continuing their study of the human body should consider following this course with Human Pathology.

**ECE Medical Terminology through Human Pathology**

1 Semester | 0.5 credit

Grade 11-12

STEM | Science

Prerequisite: Human Anatomy and Physiology, C or better in Biology and Chemistry. Physics may be taken concurrently. A 10th-Grade student may take this elective with a required science teacher recommendation.

ECE Medical Terminology through Human Pathology introduces the basic concepts, medical terminology and etiology of diseases and conditions that affect humans. Students will be able to earn ECE credit through the University of Connecticut upon successful completion of this course. Students will engage in an overview and history of human pathology immune response, pathology of major organ systems and common ailments. There are no formal laboratory reports, rather students will conduct mini presentations throughout the course in preparation for the final exam and research project presentation at the end of the course where students will demonstrate mastery of the appropriate medical terminology used to describe various pathological issues.

**Astronomy**

1 Semester | 0.5 credit

Prerequisite: Algebra 1 taken concurrently or passing grade in Algebra 1.

Grade 9-12  
STEM | Science  
Wt 3

This course will include the history of astronomy, methods of astronomers, and the study of cosmology, galaxies, stars and the solar system. The course will begin with the Big Bang and proceed with the formation of matter, galaxies, stars and our solar system. Recent explorations will be stressed. Instruction will be student directed with some time used for lecture-discussions. Numerous laboratory exercises and computer simulations will be incorporated. Research projects will be used, and the use of the Internet will be extensive.

**Meteorology**

1 Semester | 0.5 credit

Prerequisite: Algebra 1 taken concurrently or passing grade in Algebra 1

Grade 9-12  
STEM | Science  
Wt 3

This course is based on an inquiry system of teaching and learning. This system includes observing, investigating, interpreting, and drawing conclusions. Topics may include climate, greenhouse effect, water cycle, AccuWeather, weather maps, clouds, weather factors, pressure patterns, compositions of the atmosphere, storms, and wind patterns.

**Environmental Science**

1 Semester | 0.5 credit

Prerequisite: Passing grade in Biology

Grade 10-12  
STEM | Science  
Wt 3

This course will explore the fundamental principles of ecology and the wide ranges of plants and animals that populate the earth. Particular attention will be paid to the effect that humans have had, and are having on the many different ecosystems. Students will focus on the ecology of our local watershed to make better responsible environmental decisions. The course will include a number of independent labs, outdoor activities, projects and Internet driven assessments.

**Human Genomics**

1 Semester | 0.5 credit

Prerequisite: Passing grade in Biology &amp; Chemistry

Grade 11-12  
STEM | Science  
Wt 3 with Wt 4 option

The study of human genomics will allow students to personally connect to gene mapping. Learning about our DNA can offer insights about our health, behavior, family history and other traits. Students will learn complex laboratory techniques, including advanced DNA extraction, polymerase chain reaction, restriction digestion, and gel electrophoresis. The course will help students answer complicated questions about how to use genetics personally and as a society. It will also tackle challenges about how to ensure fairness and equity in genetic advances. Students and parents must also sign an informed consent document regarding collection of DNA samples as well as sign the "Student Rights and Responsibilities in the Discussion and Study of Sensitive Topics" document, which acknowledges that they understand much of this content may be of a sensitive nature.

**ECE Allied Health Professions**

1 Semester | 0.5 credit

Grade 11-12  
STEM | Science  
Wt 5

Prerequisite: C or better in Biology and Chemistry.

The ECE - Allied Health Professions class will introduce the scholars to professionals working in various allied health fields. Allied Health professionals are involved with the delivery of health or related services pertaining to the identification, evaluation and prevention of diseases and disorders. These professionals also work in dietary and nutrition services, rehabilitation and health systems management and other fields. Upon successful completion of the course, students will earn ECE credit through UCONN.



# Social Studies

Within the school program, social studies provides coordinated, systematic study drawing upon such disciplines as economics, geography, history, government, philosophy, psychology, religion and sociology, as well as appropriate content from the humanities, mathematics, and natural sciences. The primary purpose of social studies is to help students develop the ability to make informed and reasoned decisions for the public good as citizens of a culturally diverse, democratic society in an independent world. The social studies program prepares New Fairfield students to be knowledgeable, humane and contributing citizens in an ever-changing technological world. This comprehensive social studies program offers opportunities for students to develop as they observe and explore, identify and discuss, construct and interpret ideas, while they make connections through their experiences.

Course		Grade Levels		
04103	World History I	9		
04223	World History II	10		
04245	AP European History	10		
04203	American Government	11	12	
04635	AP American Government	11	12	
04333	U.S History	11		
04304	Honors American History	11		
04305	AP U.S. History	11	12	
04615	AP Human Geography	11	12	
04603	Sociology	10	11	12
04613	Introduction to Psychology	10	11	12
04605	AP Psychology	11	12	
04604	Post WWII America Honors	11	12	
04623	Contemporary World Issues	11	12	
04625	AP World History Modern	11	12	
04633	Introduction to Economics	10	11	12
04624	Black & Latino Studies	11	12	

**World History I**  
Full Year | 1 credit

Grade 9  
Humanities | SS  
Wt 3

World History I provides students with an exploration of world history from the rise of civilizations into the Enlightenment Era. A study of history is emphasized through an examination of such themes as politics and government, religion, social structures, and economics. The curriculum is based on essential questions which require students to think critically, analyze and synthesize information, and make connections across regions and time periods while investigating issues from multiple perspectives. As students explore the larger concepts and themes of early world history, a distinct focus of the course is the development of the intellectual skills of social studies including critical reading, argumentative and informational writing, research, and document analysis.

**World History II**  
Full Year | 1 credit

Grade 10  
Humanities | SS  
Wt 3

World History II is a continuation of the ninth grade offering that provides students with an exploration of world history from the late 18th century to the modern era. A study of history is emphasized through an examination of

such themes as politics and government, religion, social structures, and economics. The course culminates in an examination of the consequences of globalization in the modern world. The curriculum is based on essential questions which require students to think critically, analyze and synthesize information, and make connections across regions and time periods while investigating issues from multiple perspectives. As students explore the larger concepts and themes of world history, they will continue to develop and apply the intellectual skills of social studies including critical reading, argumentative and informational writing, research, and document analysis.

**AP European History**

Full Year | 1 credit

All students taking this course are expected to take the AP exam

Grade 10

Humanities | SS

Wt 5

AP European History is an intensive college level course covering European history from 1450 to the present. The class will journey through six centuries of war and peace, revolution and nation building, the triumph of technology and the devastation it can create. Students will study the path of the common man/woman in his/her struggle for freedom and equality. The course will encourage the development of critical thinking and persuasive writing. Also, students will be asked to read and learn from a variety of resources while emphasizing content and organization of ideas.

**American Government**

1 Semester | 0.5 credit

Grade 11-12

Humanities | Gov

Wt 3

American Government is a one semester required course for the class of 2023 and beyond that provides a description of the institutional framework within which political decisions in the United States are made and an explanation of the relationship between political processes and national institutions. Students will become aware of their basic rights, duties and responsibilities as American citizens. Topics will include the following:

The basic principles of government and the U.S. Constitution; The President, Congress, and the decision-making process; The Court system and the judicial process; The differences between personal liberties and justice; Constitutional rights and cases; Campaigns, Elections and voting; The role of the media as the fourth estate of government; Duties and responsibilities inherent in American citizenship

**AP American Government**

Full Year | 1 credit

All students taking this course are expected to take the AP exam.

Grade 11-12

Humanities | SS | Gov

Wt 5

Advanced Placement American Government allows students to become informed and active citizens by developing an in-depth and analytical perspective of government and politics in the United States. Students will encounter the various institutions, groups, beliefs, and ideas that constitute American government. This intensive course will emphasize analysis, synthesis and interpretation of theoretical perspectives and explanations for citizen behavior and political outcomes. AP American Government can be taken to satisfy the American Government requirement.

**US History**

Full Year | 1 credit

Grade 11

Humanities | SS

Wt 3

This course provides a survey of important content and themes of American history. The focus of the course provides essential context for early American history, and then focuses on events and themes from the Civil War and Reconstruction through the Modern Era. Skill development in historical reading, writing, and research, along with content and thematic mastery are emphasized. The course is further designed to develop an understanding of and appreciation for, the myriad and eclectic contributions of all Americans, of all races, cultures, and ethnicities, in the development of the American experience.

**Honors American History**

Full Year | 1 credit

Grade 11  
Humanities | SS  
Wt 4

Honors American History provides a survey of major facts and themes from Reconstruction post Civil War through the early twenty-first century concentrating on major themes, focusing on essential questions, and utilizing multiple sources. Along with daily class preparation students will be required to apply extensive analytical and research-based skills.

**AP US History** Grade 11-12

Full Year | 1 credit

1 Credit

Humanities | SS  
Wt 5

AP U.S. History is an introductory college-level U.S. history course. Students cultivate their understanding of U.S. history from c. 1491 to the present through analyzing historical sources and learning to make connections and construct historical arguments while exploring concepts such as American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures. All students taking this course are expected to take the AP Exam.

**Post World War II America Honors**

1 Semester | 0.5 credit

Grade 11 - 12  
Humanities | SS  
Wt 4

This course is designed primarily as a seminar, exploring and surveying American history from the end of World War II to the Modern Era (1945 to the present.) Important themes include changing economic trends, the Cold War, civil rights, demographic movement, cultural changes, social and political upheavals, environmental issues, technology and its impact, the end of the Cold War, and the modern era and its challenges. Students develop historical analytical thinking and writing skills, as well as research and advocacy skills.

**AP Human Geography**

Full Year | 1 credit

1 Credit

Grade 11-12  
Humanities | SS  
Wt 5

All students taking this course are expected to take the AP exam.

AP Human Geography investigates the interesting topic of globalization through the lens of a geographer. Students learn about the methods and tools geographers use as they explore and document human movement around the world. This exciting interdisciplinary course will explore regional culture, economics and political conflicts while examining how human interaction with the landscape has shaped or altered the earth's surface.

**Sociology**

1 Semester | 0.5 credit

Grade 10-12  
Humanities | SS  
Wt 3

Sociology is a one-semester elective course emphasizing groups and human relationships, and introduces the history of sociology, the concepts of culture and the tools used to examine society with a sociological imagination. Some of the topics investigated are the socialization process, social problems and mass media.

**Introduction to Psychology**

1 Semester | 0.5 credit

Grade 10-12  
Humanities | SS  
Wt 3

Introduction to Psychology is a one-semester elective course that surveys the basics of individual human behavior. Students will be introduced to topics including founders of psychology, research methods, sensation and perception, variations of consciousness, personality, abnormal psychology, learning and lifespan development. This course will provide a sound foundation for any students interested in taking Advanced Placement Psychology.

**AP Psychology**

Full Year | 1 credit

Recommendation: Introduction to Psychology

All students taking this course are expected to take the AP exam

Grade 11-12  
Humanities | SS  
Wt 5

AP Psychology is equivalent to a one semester college level elective introducing students to the systematic and scientific study of behavior and the mental processes. Students will think critically about psychological issues and concepts by considering psychological facts, principles and phenomena associated with each of the major subfields within psychology. Topics covered include history and approaches, research methods, biological bases of behavior, sensation and perception, stages of consciousness, learning, cognition, motivation and emotion, developmental psychology, personality, testing and individual differences, abnormal psychology, treatment of psychological disorders and social psychology.

**Contemporary World Issues**

1 Semester | 0.5 credit

1/2 Credit

Grade 11-12  
Humanities | SS  
Wt 3

Contemporary World Issues provides students with an opportunity to analyze the enduring problems and controversial issues that comprise the world today. Major contemporary issues covered in the course include medical ethics, human rights, AIDS/disease, politics: conflict & unrest, terrorism, the global economy, environmental issues and racial and gender equity. Students play a significant role in shaping their own learning experiences. Active participation in classroom discussions, debates, collaborative learning projects and peer reviews are ongoing. Students write position papers, make presentations to the class, and read and discuss a wide variety of publications to be knowledgeable about current events.

**AP World History Modern**

Full Year | 1 credit

All students taking this course are expected to take the AP exam.

Grade 11-12  
Humanities | SS  
Wt 5

In AP World History students investigate significant events, individuals, developments, and processes in four historical periods from approximately 1200 C.E. to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; making historical comparisons; utilizing reasoning about contextualization, causation, and continuity and change over time; and developing historical arguments. The course provides five themes that students explore throughout the course in order to make connections among historical developments in different times and places: interaction between humans and the environment; development and interaction of cultures; state building, expansion, and conflict; creation, expansion, and interaction of economic systems; and development and transformation of social structures.

**Introduction to Economics**

1 Semester | 0.5 credit

Grade 10-12  
Humanities | SS  
Wt 3

Introduction to Economics is a one-semester elective course providing students with an understanding of the economic process by illustrating the impact of behavior of workers, consumers, and citizens. The course will include micro and macro economic principles and include, but not be limited to, the following topics: economic systems and how they function/ malfunction, business structure, supply and demand, prices and wages, business fluctuations, capital investment, interest, profit, labor unions, state and federal consumer protection law, banking and monetary systems, international markets, treaty agreements, and balance of payments.

**Black and Latino Studies**

Full Year | 1 credit

Grade 11-12  
Humanities | SS  
Wt 3

This yearlong course promotes the understanding of the construct of race and how it was developed. It investigates the evolution and development of African American and Latino identities, including intersections with Indigenous and other identities. It will analyze how race, power, and privilege influence group access to citizenship, civil rights, and economic power. It will examine the scope and legacy of resistance that has been integral to African American, Puerto Rican, and Latino experiences. It will address the important role that African American, Puerto Rican, and Latino communities have played in shaping U.S. society, culture, and the economy. It will reimagine new possibilities and more equitable futures for our nation and our world, drawn from the legacy of African American, Latino, and Indigenous experiences, intellectual thought, and culture. It will also identify resources and opportunities for active engagement, citizenship, and civil responsibility.

# Technology

Technology is rapidly changing in this new age of information and man-made materials. Students will need to know how to use, control and understand technology. Each student will be actively involved in classroom/laboratory activities that will develop knowledge, skills and attitudes regarding industry and technology. The program will focus on development of technological literacy for every student. The areas of concentration are the following:

1. Communication/Information Technology: This system deals with efficiently using resources to transfer information (Communications)(Engineering Graphics & Architectural Design)
2. Construction: This system deals with converting materials and manufactured goods into building and other products (Woodworking Technology I, Wood Construction)
3. Manufacturing: This system deals with changing raw materials and recycled materials into industrial and consumer goods (Wood Manufacturing II and Furniture Design III.)
4. Engineering and Design: This system is a broad industry group with common products, services, and working environments and includes products and services related to engineering analysis and design, engineering development, and drafting and design (Robotics I & II, Engineering Graphics & Architectural Design II-IV.)

Through individual and group work students will encounter a wide variety of problem solving techniques, technical processes, learn skills in monitoring and controlling the safe operation of systems, and learn about career opportunities.

	Course	Grade Levels			
17419	Digital Design	9	10	11	12
17420	Digital Design Lab	9	10	11	12
17421	Digital Video Production	9	10	11	12
17422	Animation		10	11	12
17423	Television Production & Broadcast Journalism		10	11	12
17414	Woodworking Technology I	9	10	11	12
17202	Woodworking II		10	11	12
17302	Woodworking III			11	12
17402	Wood Construction IV				12
17415	Architectural Design I	9	10	11	12
17416	Architectural Design II	9	10	11	12
17417	Engineering & Design I	9	10	11	12
17418	Engineering & Design II	9	10	11	12
17313	Architectural & Engineering Design Workshop		10	11	12
21152	Foundations of Engineering	9	10	11	12
21162	Foundations of Engineering II	9	10	11	12
21182	Robotics I	9	10	11	12
21192	Robotics II	9	10	11	12
10194	Introduction to Programming	9	10	11	12

**Digital Design** (formerly Desktop Publishing)  
1 Semester | 0.5 credit

Grade 9-12  
CTE  
Wt 2

Students will be introduced to the design process through a series of projects that will teach them how to effectively communicate in a visual manner. Students will develop skills in photography, illustration, and layout design. Students will learn various software packages that will allow them to manipulate photos, draw logos, create posters, brochures, and t-shirts etc. Successful completion of this course will allow students to be able to take further classes in the digital media pathway.



**Digital Design Lab** (formerly Desktop Publishing - Advanced)

1 Semester | 0.5 credit

Prerequisite: Digital Design or Comm I- Desktop Publishing

Grade 9-12

CTE | FAPA

Wt 2

Digital Design Lab builds upon the skills obtained in Digital Design. This class combines concepts from Digital Design and some video production into the creating print and interactive projects. Students will gain an understanding of how a professional print company works by creating projects for various departments within the school.

**Digital Video Production**

1 Semester | 0.5 credit

Prerequisite: Digital Design or Comm I- Desktop Publishing

Grade 9-12

CTE

Wt 2

This course is designed to take students through the video production process, creating a full fledged operating production company. They will collaboratively and independently create films for the class while learning about solving problems in scripting, storyboarding, editing and sound; along with distribution and presentation. Creative projects will include various short format documentary, drama, comedy and 30-second TV commercial spot projects.

**Television Production & Broadcast Journalism**

Semester | 0.5 credit

Prerequisite: Intro. to Video Production

Grade 10-12

CTE

Wt 2

Provides students with basic technical skills necessary to enter the television production industry as a production assistant, and introduces broadcast journalism theory. Students will gain an overview of the equipment, job responsibilities, and techniques involved in both traditional studio production and remote location work. The activities and processes involved in each phase of production are presented and reinforced with realistic examples in actual production situations, covering ethics and news judgment, types of stories, news writing, preparing news packages, and conducting interviews.

**Animation** (formerly 3D Modeling & Animation)

1 Semester | 0.5 credit

Prerequisite: Digital Design or Comm I - Desktop Publishing &amp; Intro. to Video Production

Grade 10-12

CTE

Wt 2

How can animation & 3D computer modeling be used to educate and entertain in a way comparable to, or better than, the traditional media formats of the past? The 3DMA course develops advanced digital media literacy, storytelling, animation and 3D modeling skills, while exploring how knowledge in 3D modeling and animation can be applied to careers in science, technology and digital media. Students will learn about the history of animation, various types of animation used in different settings and complete various projects using software and traditional animation methods.

## **WOODWORKING**

The purpose, focus and concepts of woodworking are an important vehicle for STEM and its concepts. We discuss **S**cience through the elements of tree growth, material preparation {staining, top coating, moisture's effect on wood, gluing (polyvinyl glue, adhesion, epoxy with a catalyst} **T**echnology through the use of various CNC machines, (mechanical engraving, laser engraving machine), Use of Google Classroom. **E**ngineering through product planning, abstract thinking in visualizing possible ideas and design, brainstorming with group members when working on a group project development and fabrication. **M**ath through the use of cost estimation programs, board foot formula, dovetail development formula, and various measurement applications. In general, there is an atmosphere of collegiality and social interaction that fosters a positive attitude and work ethic.

### **Woodworking Technology I**

1 Semester | 0.5 credit

Grade 9-12

CTE

Wt 2

This course is an introduction to basic woodworking technology and problem solving. It is designed to acquaint students with hand and machine tools, materials and the techniques of producing and finishing wood products. Students will develop insights into product development through problem solving, the design process and the development of cost estimation profiles for their projects. These projects and activities are both instructor and student designed. They will involve both individual effort and group skills as students work together to design and implement their ideas. Use of computer-controlled machines is an important part of product development. Emphasis is placed on safety, design and quality. The experience sustains the knowledge which remains with a student and does not leave when the classroom is no longer the immediate climate. This is a project-based activity with a finished product that is taken home with them as a solid reminder of their experience in the technology education program. It is a tangible reminder of everything they have accomplished through the use of **S**cience, **T**echnology, **E**ngineering and **M**ath in the development of ideas and the actual production process.

### **Woodworking II**

Full Year | 1 credit

Prerequisite: Woodworking I

Grade 10-12

CTE

Wt 2

Students will investigate the processes used in the manufacturing of products constructed of wood. Traditional machines and methods will be used and contrasted with computer-controlled machinery used in the industry today. Student's skills will be developed through tool and machine use in individual project design, development and production. Students will develop projects using the computer design process and produce them using the CNC (computer numerically controlled) machines in the technology area.

### **Woodworking III**

Full Year | 1 credit

Prerequisite: Woodworking II

Grade 11-12

CTE

Wt 2

Woodworking III will introduce students to furniture design using the universal systems model and the design process. Students will be introduced to the processes and techniques of frame and panel construction. Through individual and group effort, students will design and produce various pieces of furniture developed through discussion and investigation. Student skills will be developed through tool and machine use in individual and group project construction.

**Wood Construction IV**

Full Year | 1 credit

Prerequisite: Woodworking III

Grade 12

CTE

Wt 2

Wood Construction IV provides students with an opportunity to mentor and help younger students in a Woodworking I class. They will act as assistants to the teacher as they will be enrolled in a Woodworking I class and utilize their experience to instruct the newcomers in proper procedures and methods. Simultaneously they will work independently on a project of their own selection that is worthy of their experience and ability.

**Engineering & Design I**

Semester | 0.5 credit

Grade 9-12

CTE

Wt 2

The focus of this course is to introduce students to modern 2D/3D drawing techniques, and to create technical drawings and 3D models. Students briefly learn traditional drawing techniques using a drafting board, and then quickly begin to learn about 2D/3D drawing techniques using SolidWorks. Additive and subtractive manufacturing processes will be briefly introduced, and students will have the opportunity to explore the basic functionality of a 3-D printer. Student grades are "performance-based" and require the student to solve basic "Geometric Construction" problems, and to create basic drawings and models as demonstrated by the instructor. Upon completion of this course, students will have created a basic web-based portfolio of pictures of all their work. This portfolio can be used in subsequent courses to help guide individual student instruction.

**Engineering & Design II**

Full Year | 1 credit

Prerequisite: Engineering &amp; Design I OR Engineering Graphics &amp; Architectural Design I

Grade 10-12

CTE

Wt 3

The focus of this course is to explore more "advanced geometric & design" concepts, along with "assembly" and "2D" drawing creation, using SolidWorks software. At this point the students are excited about the creation of real world models and assemblies. They are told that all manufacturing processes can be simulated using computer software. Instruction is guided by an "online" textbook. This textbook comes with a "Robotic Kit", that students assemble to help them understand the assembly & design process. Student grades are performance-based and require the student to solve advanced "geometric construction" problems. *Upon the completion of this course, students will add to their already existing web-based portfolio the work completed during the semester.*

**Architectural Design I**

1 Semester | 0.5 credit

Grades 9-12

CTE

Wt 2

The focus of this course is to introduce students to modern 2D/3D drawing techniques, and to create technical drawings and virtual 3D models of residential house designs. Students briefly learn traditional drawing techniques using a drafting board, and then quickly begin to learn about 2D/3D drawing techniques using Chief Architect software. A textbook is used to introduce the major concepts of residential house design and construction fundamentals. Students will have the opportunity to create a plot plan, floor plan, as well as a balsa wood model of a deck or shed. On the completion of this course, students will have created a basic web-based portfolio with pictures of all their work. This portfolio can be used in subsequent courses to help guide individual student instruction.

**Architectural Design II**

1 Semester | 0.5 credit

Prerequisite: Engineering &amp; Design I OR Engineering Graphics &amp; Architectural Design I

Grades 9-12

CTE

Wt 3

The focus of this course is to begin to explore the advanced features of "Chief Architect" software when designing residential house plans. At this point, the students are excited about the creation of a virtual house design, and want to know more about how it can be made into an actual physical model, using balsa wood or cardboard. Students will create a plot plan, floor plan and a balsa wood model from their own design. A textbook is used to introduce the major concepts of residential house designs and construction fundamentals. *On the completion of this course, students will add to their already existing web-based portfolio, pictures of all their work completed during the semester.*

**Architectural & Engineering Design Workshop**

Full Year | 1 credit

Prerequisite: 1.0 credit total in Engineering &amp; Design / Architectural Design

OR Engineering Graphics &amp; Architectural Design II

Grade 10-12

CTE

Wt 3

Students who have completed two semesters in either Architectural Design or Engineering Design, have the opportunity to work towards an advanced project, or software certification. Depending on the students interest and skills, as demonstrated in their individual portfolios, students will work with the instructor to come up with a course of action, or a series of project based assignments. Generally speaking, Architectural students would continue to study residential house designs, with the intent to create a virtual and physical model using Chief Architect, and possibly enter into an Architectural design contest. Students who have studied SolidWorks and Engineering & Design can work towards the SolidWorks Certified Associate Exam. (CSWA) For those students who complete a software certification exam, their course weight would be changed from a 3 to 4 (or 5) on their transcripts. *On the completion of this course, students will add to their already existing web-based portfolio, pictures of all their work completed during the school year.*

**Foundations of Engineering (formerly Technology, Engineering & Design I)**

1 Semester | 0.5 credit

Grade 9-12

CTE

Wt 2

An introductory engineering course exploring various topics in Engineering, Technology, and Design. Students will explore topics as prescribed within the Connecticut Technology Education Standards. Topics covered may include career opportunities, design and engineering considerations, ethics, safety, quality control, electrical energy, mechanical and thermal systems.

**Foundations of Engineering II (formerly Technology, Engineering & Design II)**

1 Semester | 0.5 credit

Prerequisite: Foundations of Engineering or Technology, Engineering &amp; Design I

Grade 9-12

CTE

Wt 2

A follow-on course continuing the application of the Engineering Design Process to solve problems. Students will explore three problems within the boundaries of the Connecticut Technology Education Standards in diverse technology, engineering, or design fields as determined entirely by the student.

**Robotics I**

1 Semester | 0.5 credit

*\*It is encouraged (not required) to take Introduction to Programming before/during Robotics I*

Grade 9-12

CTE

Wt 3

Students of this course will develop a solid foundation in robotics and participate in hands-on learning activities. Studies concentrate on problem solving using robotic maneuvering projects that also venture into basic electronic circuitry, sensors, and computer controlled systems. Students will design and engineer solutions to various problems while using tools, and design software. Career options in robotics are explored.

**Robotics II**

1 Semester | 0.5 credit

Prerequisite: Robotics I

Grade 9-12

CTE

Wt 3

Students in Robotics II will expand their knowledge of robotics and explore problems of a more sophisticated nature than Robotics I. Teams of students will learn how to program their robot to reach, grab, manipulate, move, and place objects to perform various industrial tasks.

**Introduction to Programming**

1 Semester | 0.5 credit

Grade 9-12

CTE

Wt 3

Explore this introductory programming course using modern programming tools and gain an understanding on how computation can help in solving problems. Start out with a block-driven drag-n-drop language (Snap!) to become familiar with the programming process and finish with Python. This course is designed to be a rewarding and fun learning experience for students who have no prior programming experience and also for those who have some programming experience and want to improve their understanding. This course can provide students with a foundation in programming to lead into AP Computer Science A and/or Robotics.

**AP Computer Science A**

Full Year | 1 credit

1 Credit

Prerequisite: Algebra II (May be taken concurrently)

All students taking this course are expected to take the AP exam.

This course does not fulfill the math credit requirement for graduation.

Grade 11-12

CTE

Wt 5

AP Computer Science A is an intensive college course with a major emphasis on programming, methodology, algorithms and data structures. Applications of computing provide the context in which these subjects are presented. Treatments of computer systems and the social implications of computing are integrated into the course. Students will learn to write programs in the JAVA language. This course is designed to meet the objectives of a first semester computer science course at the college level.

# Virtual High School (VHS)

0.5 credit and 1 credit courses are available

Weight is equivalent to the weight of New Fairfield courses,  
i.e. Wt 4 honors, Wt 3 academic, etc.

Grades 9-12

Take a VHS Course and join over 18,000 students in the VHS global learning community across 40 states and 33 countries. Virtual High School is a non-profit collaborative of more than 600 participating high schools offering full-year and semester online courses to their students.

Choose from over 200 courses including honors, technical, specialized and AP courses. Gain skills that are essential for the 21<sup>st</sup> century: online collaboration and communication, assessment of online resources, and online team-building skills. Participate in engaging and challenging courses that will stimulate your creativity and challenge your intellectual capacity. For a complete listing of the current courses available to you through VHS go to their web-page: <http://thevhscollaborative.org>. You can go directly to the course catalog by click here: <https://my.vhslearning.org/PublicStudentCourseList.aspx>

## A few things you should know about VHS

1. Some courses may have a prerequisite; check carefully that you meet the requirements.
2. New Fairfield only allows two credits of VHS courses to be used toward graduation.
3. New Fairfield will not grant credit for VHS courses that are also offered within the standard curriculum of the high school unless specific permission has been granted by the appropriate high school department chair.
4. Complete the [VHS form](#) (hard copy available in the School Counseling office). This form is necessary in order to be fully enrolled in a VHS course. A student who signs up for VHS but does not complete the registration process by the end of the year will be placed in an alternative elective choice.
5. You will meet other students from across the country or possibly the world. As always use caution before divulging any personal information to anyone you meet on the internet.
6. Enrollment is limited in two ways: (A) New Fairfield has a limited number of slots available to our students, and (B) each section of every VHS course has a limit to the number of students who can enroll nationally.
7. The VHS calendar does not align with our calendar. Courses (sometimes) start each semester before our semester begins and end before our semester ends.
8. Like other high school courses there is homework, projects, assignments, tests and quizzes. Students need to be self-motivated and self-directed. Failing or dropping a VHS course will be indicated on a student's transcript just as if the student had failed or dropped the course at New Fairfield.



# World Language

A proficiency-based curriculum has been developed in French, Spanish, Italian, Latin and Mandarin Chinese emphasizing communication in the four skill areas of listening, speaking, reading and writing. The focus will be on what students can do with the language in order to function in real life situations. Authentic materials will be used whenever possible. It is strongly recommended that college-bound students pursue at least three years of study in the same world language at the high school level. Three high school credits in the same world language are required for the Diploma with Distinction. For students to gain maximum proficiency in a world language, minimum grade requirements have been established. Decisions governing student placement will be made upon the recommendation of the current course teacher and the department head. Students not in agreement with this decision may elect to demonstrate their proficiency by taking a departmentally developed exam.

	Course	Grade Levels			
06523	French II	9	10	11	12
06533	French III	9	10	11	12
06543	French IV Honors		10	11	12
06545	AP French Language & Culture				12
06113	Spanish I	9	10	11	12
06123	Spanish II	9	10	11	12
06124	Spanish II Honors	9	10	11	12
06133	Spanish III	9	10	11	12
06145	Spanish IV Honors (Spanish V for % 2023)		10	11	12
06155	AP Spanish Language & Culture   ECE			11	12
06555	AP Spanish Literature & Culture   ECE			11	12
06303	Italian I	9	10	11	12
06313	Italian II		10	11	12
06324	Italian III Honors			11	12
06325	AP Italian Language & Culture				12
06203	Latin I	9	10	11	12
06213	Latin II		10	11	12
06224	Latin III Honors			11	12
06225	AP Latin			11	12
06613	Mandarin Chinese I	9	10	11	12
06623	Mandarin Chinese II		10	11	12
06634	Mandarin Chinese III Honors			11	12
06635	AP Mandarin Chinese & Culture				12

## French II

Full Year | 1 credit

Recommendation: C- or better in French I and teacher recommendation

Grade 9-12

WL

Wt 3

French II continues to develop the four language skills of listening, speaking, reading and writing through topics presented thematically. Students will increase their proficiency through oral and written practice. Authentic cultural materials relative to the individual units will be presented.

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**French III**

Full Year | 1 credit

Recommendation: C- or better in French II and teacher recommendation

Grade 9-12

WL

Wt 3

French III continues to develop the four language skills of listening, speaking, reading and writing through topics presented thematically. Students will increase their proficiency through oral and written practice. Authentic cultural materials relative to the individual units will be presented.

**French IV Honors**

Full Year | 1 credit

Recommendation: C- or better in French III

Grade 10-12

WL

Wt 4

French IV presents more advanced grammatical structures and vocabulary through thematic units. Students will continue their practice of the four skill areas of listening, speaking, reading, and writing through the use of authentic audio, video and print materials.

**AP French Language and Culture**

Full Year | 1 credit

Recommendation: B- or better in French V and teacher recommendation

All students taking this course are expected to take the AP exam.

Grade 12

WL

Wt 5

AP French is the final course in the French sequence and is offered to superior students who have demonstrated through French V a high level of proficiency in the language. Students prepare for the AP exam in French Language and Culture by studying the six themes proposed by the College Board. The course is designed to further aural/oral fluency and to increase reading and writing skills. Audio, video and print materials will be selected from a variety of authentic sources to prepare students for the exam. Students are expected to speak only in the target language.

**Spanish I**

Full Year | 1 credit

Grade 9-12

WL

Wt 3

Spanish I is an introductory course that emphasizes comprehension and speaking skills. Basic grammatical structures, idioms and vocabulary necessary to develop communication skills are presented. A general introduction to geography and culture of the Spanish-speaking world is also included. At the conclusion of Spanish I, students will be able to hold formal and informal conversations with friends and strangers, talk about their daily life in school, home and town, discuss the weather, shop for clothing and other essentials, express their feelings, emotions, likes and dislikes. Countries studied will include the United States, México, Colombia, Argentina, Venezuela and Puerto Rico.

**Spanish II**

Full Year | 1 credit

Recommendation: C- or better in Spanish I or in MS Level 1b

Grade 9-12

WL

Wt 3

Spanish II is a continuation of Spanish I or New Fairfield Middle School levels 1a and 1b. It is designed for students to continue building their proficiency in the four basic skills of listening, speaking, reading and writing. Students will also further their knowledge of the Hispanic world. At the conclusion of Spanish II, students will be able to talk about food, household chores, hobbies and pastimes and be able to describe events that occurred in the past in detail, give directions and instructions, express preferences and make comparisons, describe the state of objects and people, talk about unplanned occurrences, discuss the future, the environment and the animal world. Students will also be able to express doubt and certainty. Countries studied include Uruguay, Honduras, Paraguay, El Salvador, Cuba and Ecuador.

**Spanish II Honors**

Full Year | 1 credit

Recommendation: 85% or above proficiency on placement exam and teacher recommendation

Grade 9 - 12

WL

Wt 4

Spanish II Honors is an accelerated course and a continuation of Spanish I or New Fairfield Middle School levels 1a and 1b. It is designed for students to continue building their proficiency in the four basic skills of listening, speaking, reading and writing. Students will also further their knowledge of the Hispanic world through thematically presented units of study. At the conclusion of Spanish II Honors, students will be able to talk about food, household chores, hobbies and pastimes and be able to describe the events that occurred in the past in detail, give directions and instructions, express preferences and make comparisons, describe the state of objects and people, talk about unplanned occurrences, discuss the future, the environment and the animal world. They will also narrate and describe past events, express desires and give recommendations, discuss traditions, celebrations, cultural values and personal relations. They will also be able to discuss opinions and emotional reactions to current and prior events. Students will also be able to express doubt and certainty. Countries studied include Uruguay, Honduras, Paraguay, El Salvador, Cuba, Ecuador, Spain, Panamá, Perú, Guatemala and Costa Rica.

**Spanish III**

Full Year | 1 credit

Recommendation: C- or better in Spanish II

Grade 9-12

WL

Wt 3

Spanish III continues to develop the four language skills of listening, speaking, reading and writing through thematically presented topics. At the conclusion of Spanish III, students will be able to narrate and describe past events, express desires and give recommendations, discuss traditions, celebrations, cultural values and personal relations. Students will also be able to discuss opinions and emotional reactions to current and prior events and be able to express doubt and certainty. Countries studied include Spain, Panamá, Perú, Guatemala and Costa Rica.

**Spanish IV Honors (Spanish V for Class of 2023)**

Full Year | 1 credit

Recommendation: C- or better in Spanish III

Grade 10-12

WL

Wt 4

Students at this level will study contemporary issues of the Spanish-speaking world while continuing to further develop the four language skills of listening, reading, writing and speaking through the use of film - both documentary and feature. Students will use more sophisticated grammar and vocabulary to express themselves in both oral and written form as they explore topics that include careers and finance, the entertainment industry, urban and rural life, music and literature. Students will be able to narrate and report past actions with an increased level of accuracy, express themselves in hypothetical terms and interpret literary texts through meaningful analysis. Students will explore the countries of Nicaragua, Bolivia, the Dominican Republic and Chile. This course is taught entirely in Spanish.

**AP Spanish Language & Culture | ECE**

Full Year | 1 credit

Recommendation: B- or better in Spanish V and teacher recommendation

All students taking this course are expected to take the AP exam.

Grade 11-12

WL

Wt 5

Taught entirely in Spanish, this is the final course in the Spanish language sequence and is offered to superior students who have demonstrated through level V a high level of proficiency in the language. Students prepare for the AP exam in Spanish Language. The course is designed to further aural/oral fluency and to increase reading and writing skills. Audio, video and print materials will be selected from a variety of authentic sources to prepare students for the exam. History and culture are also covered in this course, with a focus on transatlantic migrations. In addition, students may receive up to three university credits from an early university experience program.

**AP Spanish Literature & Culture | ECE**

Grade 12

Full Year | 1 credit

WL

Recommendation: B- or better in AP Spanish Language and teacher recommendation

Wt 5

All students taking this course are expected to take the AP exam.

The AP Spanish Literature and Culture course is designed to provide students with a learning experience equivalent to that of an introductory college course in literature written in Spanish. The course introduces students to the formal study of a representative body of texts from Peninsular Spanish, Latin American, and U.S. Hispanic literature.

**Italian I**

Grade 9-12

Full Year | 1 credit

WL

Wt 3

Italian I is an introductory course that emphasizes comprehension and speaking skills. Basic grammatical structures, idioms and vocabulary necessary to develop communication skills are presented. A general introduction to the geography and culture of Italy is also included. *Priority in Italian is given to 9th and 10th grade students to ensure a fulfillment of curriculum expectations. Interested juniors and seniors may be able to take it based on availability.*

**Italian II**

Grade 10-12

Full Year | 1 credit

WL

Recommendation: C- or better in Italian I

Wt 3

Students will continue to build proficiency in the four skills of listening, speaking, reading and writing as they increase their vocabulary and study more advanced grammatical structures. They will also further their knowledge of the target culture through the use of authentic materials.

**Italian III Honors**

Grade 11-12

Full year | 1 credit

WL

Recommendation: C or better in Italian II

Wt 4

Italian III continues to develop the four language skills of listening, speaking, reading and writing through topics presented thematically. Students will increase their proficiency through oral and written practice. Authentic cultural materials relative to the individual units will be presented.

**AP Italian Language & Culture**

Grade 11-12

Full Year | 1 credit

WL

Recommendation: B- or better in Spanish V and teacher recommendation

Wt 5

All students taking this course are expected to take the AP exam.

Taught entirely in Italian, this is the final course in the Italian language sequence and is offered to superior students who have demonstrated through level III a high level of proficiency in the language. Students prepare for the AP exam in Italian Language. The course is designed to further aural/oral fluency and to increase reading and writing skills. Audio, video and print materials will be selected from a variety of authentic sources to prepare students for the exam. History and culture are also covered in this course.

**Latin I**

Grade 9-12

Full Year | 1 credit

WL

Wt 3

Latin I is an introductory course that emphasizes comprehension and reading skills. Basic grammatical structures, idioms and vocabulary necessary to develop reading skills are presented. A general introduction to the

mythology, history and culture of Rome is also included.

### **Latin II**

Full Year | 1 credit

Recommendation: C- or better in Latin I

Grade 10-12

WL

Wt 3

This course is a continuation of Latin I. Students will continue to build proficiency in reading and writing as they increase their vocabulary and study more advanced grammatical structures. They will also further their knowledge of the target culture through the continued study of mythology and history and reading of the adapted stories (Latin) of Hercules, Odysseus, Jason and the Argonauts, as well as Caesar, Plautus and Pliny.

### **Latin III Honors**

Full Year | 1 credit

Recommended: C or better in Latin II

Grade 11-12

WL

Wt 4

Latin III continues to develop the language skills of reading and writing and presents students with a variety of reading selections (Caesar, Pliny, Cicero, Ovid) enabling students to understand the political and social character of Ancient Rome during the Republic and Empire. Once the study of more complex grammar is completed, students develop the skills necessary to understand and appreciate Latin prose and poetry while honing their translation skills. Moreover, the course begins to prepare students for the in-depth study of ancient texts that AP Latin requires.

### **AP Latin Vergil & Caesar**

Full Year | 1 credit

1 Credit

Recommendation: B- or better in Latin I and teacher recommendation

All students taking this course are expected to take the AP exam.

Grade 11-12

WL

Wt 5

AP Latin is the final course in the Latin sequence and is offered to superior students who have demonstrated through Latin III a high level of proficiency in the language. Students prepare for the AP exam in Latin. This course is designed to guide the student through a comprehensive reading (in Latin) of selections from books 1-6 of Vergil's Aeneid and books 1, 4, 5, and 6 of Caesar's Gallic War. In addition students will read an English translation of books 1, 2, 4, 6, 8, and 12 of the Aeneid and books 1, 6 and 7 of the Gallic War.

### **Mandarin Chinese I**

Full Year | 1 credit

Grade 9-12

WL

Wt 3

Mandarin Chinese I is an introductory course in Mandarin Chinese, designed for students who have had no prior exposure to the Chinese language. The emphasis in the class is on developing listening, speaking, reading and writing skills, using both the Pinyin phonetic system and simplified Chinese characters. Basic vocabulary will be taught as well as the social and cultural background of the language.

### **Mandarin Chinese II**

Full Year | 1 credit

Recommendation: C- or better in Chinese I

Grade 9-12

WL

Wt 3

Mandarin Chinese II is a continuation of Chinese I for those who began Chinese in high school. Students will continue to build proficiency in the four basic skills of listening, speaking, reading and writing and will further their knowledge of Chinese culture.

### **Mandarin Chinese III Honors**

Full Year | 1 credit

Recommendation: C or better in Chinese II

Grade 9-12

WL

Wt 4

Mandarin Chinese III is a continuation of Chinese II for those who began Chinese in high school. Students will continue to build proficiency in the four basic skills of listening, speaking, reading and writing and will further their knowledge of Chinese culture.

**AP Mandarin Chinese & Culture**  
Full Year | 1 credit  
Recommendation: C or better in Chinese II

Grade 9-12  
WL  
Wt 5

Taught entirely in Chinese, this is the final course in the Chinese language sequence and is offered to superior students who have demonstrated through level III a high level of proficiency in the language. Students prepare for the AP exam in Chinese Language. The course is designed to further aural/oral fluency and to increase reading and writing skills. Audio, video and print materials will be selected from a variety of authentic sources to prepare students for the exam. History and culture are also covered in this course, with a focus on the history of China and contemporary issues.



# High School Course Planning Chart

Fill in the courses you are currently in and/or would like to take before you graduate, their credit amount and then check the correct box for the grade you took them or want to take them. Utilize the Program of Studies to complete courses you are interested in or have to take for the remaining years. This is not a commitment but a way for you to visualize and plan for courses you are interested in.

**Humanities**

English (4 credits)	credit	9th	10th	11th	12th

Social Studies (3.5 credits)	credit	9th	10th	11th	12th
American Government	.5				

Fine & Performing Arts (1 credits)	credit	9th	10th	11th	12th



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English, Social Studies, or Fine & Performing Arts (.5 credits)	credit	9th	10th	11th	12th

World Language (1 credit)	credit	9th	10th	11th	12th

STEM

Math (3 credits)	credit	9th	10th	11th	12th

Science (3 credits)	credit	9th	10th	11th	12th
Biology	1				

Career & Technical Education (1.5 credits)	credit	9th	10th	11th	12th

Personal Finance	.5				

Math, Science or CTE (2 credits)	credit	9th	10th	11th	12th

PE & Health (2 credits)	credit	9th	10th	11th	12th

OTHER

Open Credits (3 credits)	credit	9th	10th	11th	12th

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**Community Service & SEE:**

Use this space to list ideas for your community service hours (15 per year) as well as ideas for your Senior Enrichment Experience (SEE) in senior year.

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Use this planner annually to help make sure you are on track for graduation as well as taking courses that interest you. Meet regularly with your school counselor as you start having ideas of areas you'd like to study after graduation.

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## Allied Health Pathway

### Required Courses:

- ☐ ECE Allied Health Professions
- ☐ ECE Medical Terminology or EMT Training
- ☐ Statistics or AP Statistics
- ☐ Introduction to Psychology or AP Psychology

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In addition to the above courses, students need to complete the following courses based on their focus:

#### Pre-Med Focus

##### Required Course:

- ☐ AP/ECE Biology
- ☐ AP/ECE Chemistry
- ☐ Honors or AP/ECE Physics

#### Health Careers Focus

##### Required:

- ☐ Anatomy and Physiology
- ☐ ECE Medical Terminology
- ☐ Sociology
- ☐ Sports Nutrition or Child Development

---

### Electives (Minimum Two)

\*course taken as part of above focus requirement cannot also count towards elective requirement

- ☐ Anatomy and Physiology
- ☐ Child Development
- ☐ EMT Training
- ☐ ECE Medical Terminology
- ☐ Lifeguard Training
- ☐ Sociology
- ☐ Sports Nutrition
- ☐ CPR Certification (through a class or other outside of school opportunity)
- ☐ Medical Internship (through EdAdvance, Danbury Hospital, or other opportunity)

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### Credit Beyond High School (minimum one of the following)

- ☐ ECE Course: \_\_\_\_\_ Institution: \_\_\_\_\_
- ☐ AP (minimum score of 3) Course: \_\_\_\_\_
- ☐ Community College enrollment Course: \_\_\_\_\_  
Institution: \_\_\_\_\_

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### Certification (Minimum one must be earned)

\*certification can be earned through NFHS class, or outside training if applicable

- ☐ EMT Certification
- ☐ CPR Certification
- ☐ Red Cross Lifeguard Certification
- ☐ CNA Certification

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**Career Immersion or Co-Curricular Involvement (30 hours or two years of participation)**

Organization/Business/Club	Hours Completed	Organization/Business Contact

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**SEE Planning**

Topic/field of interest:

## Arts & Design Pathway

**Required Courses:** Digital Design

In addition to the above courses, students need to complete the following courses based on their focus:

### Performing Arts Focus

#### 3.0 Credits Required:

- ☐ Music Ensemble: \_\_\_\_\_
- ☐ Music Ensemble: \_\_\_\_\_
- ☐ Music Ensemble: \_\_\_\_\_
- ☐ Creative Drama
- ☐ Theater Workshop
- ☐ *Participation in minimum of three concerts and/or stage productions*

### Visual Arts Focus

#### 3.0 Credits Required:

- ☐ Studio Art I
- ☐ Studio Art II
- ☐ Photography I
- ☐ Photography II
- ☐ Commercial Art & Design
- ☐ Sculpture
- ☐ AP Studio Art
- ☐ Publications
- ☐ Art History (VHS) or AP Art History
- ☐ *Participation in minimum of three art shows and/or state-level art competitions*

### Media Production Focus

#### 3.0 Credits Required:

- ☐ Commercial Art & Design
- ☐ Publications
- ☐ Television Production & Broadcast Journalism
- ☐ Digital Design Lab
- ☐ Intro to Video Production
- ☐ Animation
- ☐ *Participation in minimum of three expositions and/or state-level media competitions*

### Electives (Minimum Three of the following)

\*course taken as part of above focus requirement cannot also count towards elective requirement

\*NFHS English courses listed may also count toward 4.0 English requirement

### Performing Arts Focus

- ☐ Music Ensemble: \_\_\_\_\_
- ☐ Creative Drama
- ☐ Theater Workshop
- ☐ Music Theory
- ☐ Film as Literature
- ☐ Shakespeare in Film (VHS)
- ☐ Music: Fundamentals of Composition (VHS)
- ☐ Pop Music & Diversity (ECE)

### Visual Arts Focus

- ☐ Fashion Design I
- ☐ Fashion Design II
- ☐ Interior Design
- ☐ Studio Art III
- ☐ Studio Art IV
- ☐ Photography I
- ☐ Photography II
- ☐ Commercial Art & Design
- ☐ Sculpture
- ☐ AP Studio Art
- ☐ Publications
- ☐ Art History (VHS) or AP Art History

### Media Production Focus

- ☐ Commercial Art & Design
- ☐ Publications
- ☐ Film as Literature
- ☐ Television Production & Broadcast Journalism
- ☐ Digital Design Lab
- ☐ Intro to Video Production
- ☐ Animation
- ☐ Music Technology I
- ☐ Advanced Music Technology
- ☐ Music Ensemble: \_\_\_\_\_
- ☐ Web Design (VHS)
- ☐ Video Game Design (VHS)
- ☐ Video Game Design (VHS)



**Credit Beyond High School (minimum one of the following)**

- ☐ ECE Course: \_\_\_\_\_ Institution: \_\_\_\_\_
- ☐ AP (minimum score of 3) Course: \_\_\_\_\_
- ☐ Community College enrollment Course: \_\_\_\_\_  
Institution: \_\_\_\_\_

**Certification (Minimum one must be earned)**

\*certification can be earned through NFHS class, or outside training if applicable

- ☐ Adobe Certification
- ☐ Acceptance to a regional/State-level competition in area of focus
- ☐ Other certifying qualification with approval of the Principal: \_\_\_\_\_

**Career Immersion or Co-Curricular Involvement (30 hours or two years of participation)**

Organization/Business	Hours Completed	Organization/Business Contact

**SEE Planning**

Topic/field of interest: