PROGRAM OF STUDIES
2023-2024

BELLOWS FREE ACADEMY
ST. ALBANS, VERMONT

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At Bellows Free Academy all students learn respect, dependability, and productivity. With academic and social support, students learn to be effective problem solvers, active community members, and lifelong learners.

NON-DISCRIMINATION STATEMENT

Bellows Free Academy fully supports the philosophy and intent of Title VI, Section 504, Title IX, and all federal regulations promulgated therein. Bellows Free Academy will not discriminate based on race, color, religion, national origin, age, economic status, or handicapping condition, nor shall any student be excluded from participation in any program because of such. Citizens desiring information about Title VI, Section 504, and Title IX or who wish to file a complaint may contact the Principal at Bellows Free Academy, South Main Street, St. Albans, VT 05478. Telephone: 527-6400.

PHILOSOPHY OF STUDENT PROGRAMMING

Bellows Free Academy academic programming centers on students with their interests, needs, and goals. BFA aims to provide meaningful opportunities and multiple pathways that challenge students to continuously grow in their learning – at BFA and in the future. The tailoring of such individualized programs necessitates close cooperation among students, teachers, parents, and school counselors. The following information is available to students and parents to provide a clear understanding of the depth and scope of curricular offerings at Bellows Free Academy and the school policies related to them. Please consider these pages carefully and apply the content to your specific situation.

ACADEMIC PROGRAM PLANNING

As a student begins the course selection process, it is important to consider how the selected courses will fit into the student's total high school program. Make selections based on the student's interests and BFA graduation requirements. students will work closely with their school counselors to develop and refine four-year academic plans throughout high school. School counselors support students and their parents in making decisions regarding the direction of their academic programs. *(If a course has insufficient enrollment, it will be canceled for the semester*.) Most students take (7) classes each semester; however, to be considered full-time and eligible for athletics and honors, students must be enrolled in at least (5) academic classes.

CLASS SCHEDULE

Bellows Free Academy's school year is divided into two semesters of approximately 88 days each. BFA's schedule has seven periods, three days a week, for 50 minutes. Two days a week, students have each period once for 80 minutes. Students are in each class four days a week. Students may take a maximum of fourteen-semester courses per year for (7) credits. Credit is awarded at the end of each course, one-half credit per semester and one credit per year-long course.

COURSE PLACEMENT

Placement recommendations from the student's teachers at both BFA and sending schools will be respected along with parent and student requests. Parents requesting an alternate class should contact their student's school counselor.

PROGRAM MODIFICATION/ADDING OR DROPPING COURSES

All students are expected to make routine schedule changes before the opening of school in August. Freshman schedules are mailed out during summer recess along with a schedule, and school counselors will be available over the summer to make schedule changes. Upper-level students will make changes before the end of school in June.

1. Students have seven (7) class periods each semester.
2. Students may change or withdraw from a course within the first six (6) days of the semester with the approval of their school counselor and parent. After six (6) school days, students are required to remain in a scheduled course.
3. After attending the first day of class, students will have (5) days to add or drop a course.
4. In extenuating circumstances, the administration will consider each case individually.

CLASS STANDING

9th-grade students will be promoted to 10th grade if they have accrued (5) credits. For promotion to 11th grade, students must have obtained (11) credits. For promotion to 12th grade, students must have obtained (17) credits. Completed PLP is required for promotion each year.

Graduation Requirements

Meeting graduation obligations is the shared responsibility of the student, parent, and school counselor.

Course Credits 24 (17 required credits, 7 elective credits)	**Grade Level**	**Course Options**	**Credits**
English 4 Credits	Grade 9 Grade 10 Grade 11 Grade 12	Writing Workshop American Literature English Courses English Courses	1 1 1 1
Mathematics 3 Credits	Grade 9 Grade 10 Grade 11/12	Algebra I Geometry Math Course Selection	1 1 1
Science 3 Credits	Grade 9 Grade 10 Grade 11/12	Earth Science Biology Science Course Selection	1 1 1
Social Studies 3 Credits	Grade 9 Grade 10/11 Grade 11/12	Global Citizenship The American Experience Social Studies Courses Selection	1 1 1
Business 1 credit	Grade 11/12	Personal Finance**	.5
Elective Courses 7 Credits	Grade 9-12	Courses of your choice	7
Fine Arts 1 Credit	Grade 9-12	Visual Arts/Music/Drama/Dance***	1
Health Education .5 Credit	Grade 9/10	Comprehensive Health Education	.5
Physical Education 1.5 Credits	Grade 9-12	Physical Education/Dance (3 semesters)	1.5
Other Graduation Requirements			
Personalized Learning Plan	9-12	Freshman PLP Sophomore PLP Junior PLP Senior PLP	Required for each year at BFA
Embedded in all Courses: **Vermont Transferable Skills**	9-12	-Clear and Effective Communication -Responsible and Involved Citizenship -Self-Direction -Creative and Practical Problem Solving -Informed and Integrative Thinking	Basic Proficiency Required
Senior Community Service	12	10 hours of approved community service	

*** In some circumstances, successful completion of Applied Math I & II may be used to satisfy the Personal Finance credit requirement.*

****Dance can be counted for up to 1 PE and/or 1 Art credit.*

PLANNING FOR LIFE AFTER HIGH SCHOOL

All students must plan their high school program with post-high school options in mind. The opportunities available to students at BFA will prepare them for various post-high school choices. Technical schools, two-year and four-year colleges, the armed services, and varied careers require different types of skills and preparatory coursework. Because there is no exact or prescribed course of study a student should take to enter a particular profession, school, or college, students must research specific requirements thoroughly.

SAMPLE minimum requirements for 4-YEAR COLLEGES

English	4 years
Mathematics	4 years
Science	4 years
Social Studies	4 years
World Language	2-4 years depending on the level of college selectivity. **Refer to college websites for the level of selectivity.*

24 total course credits required

SAMPLE minimum requirements for TECHNICAL PROGRAMS

English	4 years
Mathematics	3 years
Science	4 years
Social Studies	4 years

24 total course credits required

SAMPLE minimum requirements for THE WORLD OF WORK

English	4 years
Mathematics	3 years
Science	3 years
Social Studies	3 years

24 total course credits required

NCAA CLEARINGHOUSE & ATHLETIC ELIGIBILITY

Students who intend to play sports at Division I or II colleges must register and create an account with the NCAA website at www.ncaaclearinghouse.org.

It is important to note that **not all** BFA courses are considered core academic courses by the NCAA clearinghouse. In addition, independent study, online, or middle school courses *are not typically considered core courses*. The NCAA only views English, Math, Science, Social Studies, and World Languages as core courses. A list of approved courses can be found on the NCAA website under BFA St. Albans.

EXAMPLE 4-YEAR SCHEDULE

Graduation Requirement	College/University Ready
Grade 9 Period 1. Writing Workshop 2. Global Citizenship 3. Algebra I 4. Earth Science 5. PE/Arts 6. Elective 7. Elective	**Grade 9** Period 1. Writing Workshop 2. Global Citizenship 3. Algebra I 4. Earth Science 5. PE/Arts 6. World Language 7. Elective
Grade 10 Period 1. American Literature 2. Geometry 3. Biology 4. Elective/Arts 5. Health/PE 6. Elective 7. Elective	**Grade 10** Period 1. American Literature 2. Geometry 3. Biology 4. Elective/Arts 5. Health/PE 6. World Language 7. Elective
Grade 11 Period 1. English (1 credit) 2. The American Experience 3. Science (1 credit) 4. Math (1 credit) 5. Arts/Elective 6. Elective (NCTC) 7. Elective	**Grade 11** Period 1. English (1 credit) 2. The American Experience 3. Chemistry 4. Algebra II 5. Arts/PE 6. Elective 7. Elective
Grade 12 Period 1. English (1 credit) 2. Personal Finance/PE 3. Social Studies (1 credit) 4. Elective 5. Elective 6. Elective 7. Elective	**Grade 12** Period 1. English (1 credit) 2. Social Studies (1 credit) 3. Science (1 credit) 4. Math (1 credit) 5. Personal Finance/Arts 6. Elective 7. Elective

Northwest Career and Technical Center (NCTC) programs are open to 9-12th grade students depending on availability in their schedules. NCTC classes are usually taken during elective periods.

ALTERNATIVE & ASSISTIVE PROGRAMS

These programs are open to approved students only.

SKILL BUILDING PROGRAM

Skillbuilding offers academic and social emotional support to promote success in school. Instruction is offered in organization and planning, time management, task initiation, and flexible thinking skills, in addition to support completing assignments. Collaboration with teachers, parents/guardians, school staff, and outside agencies occurs regularly. Credit for Skillbuilding is awarded when students demonstrate proficiency in their transferable skills in the Skillbuilding class. Placement decisions are made through the EST and 504 process, and in consultation with the Skillbuilding coordinator.

NOVUS

Novus is an alternative special education program within BFA. The program serves a limited number of students (20) with a specific focus on behavioral, academic, and social skills. All academic instruction is provided in small group settings. Individual case management is provided by professional staff that works in concert with school, family, and local agencies.

LEARNING CENTER

The Learning Center serves students with a wide range of disabilities who are eligible for special education services. Students are generally in regular education classes and receive a period of Academic Skills in the Learning Center. Students receive direct skill instruction, content support, and transition planning as their Individual Education Program (IEP) dictates. Case Managers collaborate with families, students, school staff, and outside agencies as necessary to support students and their programs.

COMMUNITY INTEGRATION PROGRAM

The Community Integration Program (CIP) supports students with intellectual disabilities. We offer alternative curriculum options that focus on individuals' goals, promoting independence and success in high school and beyond. We have an extensive work experience component and collaborate closely with local mental health agencies and other outside service providers to assist in transitioning to adult services.

THE LIGHTHOUSE ALTERNATIVE PROGRAM

An individualized and flexible alternative pathway for general education students struggling with accessing their education due to chronic disengagement or current or ongoing behavioral, social, emotional, and academic challenges. This program is off-site; however, students can continue accessing classes at BFA if appropriate.

ENGLISH LANGUAGE ARTS

All English classes develop writing, reading, thinking, and discussion skills. Students will be placed in a course at a level appropriate for their ability. If there is any doubt at the time of selection, the student should consult the course teacher or their previous teachers. All first-year students must enroll in the Reading and Writing Workshop, and all American Literature and Composition sophomores.

(4) English credits are required for graduation.

English Department Proficiency-Based Graduation Requirements

1. **Reading** - Comprehend, interpret, analyze, and evaluate a wide range and level of complex literary and informational texts.
2. **Writing** - Produce clear and coherent writing for various tasks, purposes, and audiences.
3. **Speaking and Listening** - Initiate and participate effectively in various discussions, responding thoughtfully to diverse perspectives and expressing ideas clearly and persuasively.
4. **Language** - Demonstrate command of the conventions of standard English grammar and usage when writing or speaking

9th Grade Options	**10th Grade Options**
REQUIRED: Reading & Writing Workshop OR Accelerated Reading & Writing Workshop	**REQUIRED:** American Literature & Composition OR Accelerated American Literature & Composition
11/12th Grade Year-Long Options	
AP Language and Composition (11th Grade) AP Literature and Composition (12th Grade)	
11/12th Grade Semester-Long Options *Some semester-long options are offered alternating years*	
Courses offered for 2023-2024: 20th & 21st Century Literature & Composition Lifetime English English 11-12 Reading Studio Journalism Epic Journeys Video Literature Philosophy Creative Writing Sports Literature	**Courses offered for 2024-2025:** 20th & 21st Century Literature & Composition Lifetime English English 11-12 Reading Studio Journalism Epic Journeys Introduction to Shakespeare and Film Culture, Power, and Magic in Literature Poetry Public Speaking

Grade	Number	Credit	Course	Prerequisite/Notes
11-12	10180, 10181	.5	20th and 21st Century Literature & Composition	
10	10137Y	1	(AC) Accelerated American Literature & Composition	Proficient completion of summer assignment, minimum 3.3 CPA in ninth grade English class
9	10118Y	1	(AC) Accelerated Reading & Writing Workshop	8th grade teacher recommendation, Proficient completion of summer assignment
12	10195Y	1	(AP) Advanced Placement English Literature and Composition	Proficient completion of summer assignment, minimum 3.3 CPA in eleventh grade English class
11	10138Y	1	(AP) Advanced Placement Language & Composition	Proficient completion of summer assignment, minimum 3.3 CPA in tenth grade English class
10	10136Y	1	American Literature & Composition	
11-12	10168	.5	Creative Writing	Offered 2023-2024
11-12	10145	.5	Culture, Power, and Magic in Literature	Offered 2024-2025
11-12	10140, 10141	.5	English 11-12	
9-12	10169, 10170	1	English as a Second Language	Teacher Recommendation
11-12	10144	.5	Epic Journeys	
11-12	10146	.5	Introduction to Shakespeare and Film	Offered 2024-2025
11-12	10154	.5	Journalism	
11-12	10152, 10153	.5	Lifetime English	
9	10110	.5	Literacy Lab	Grade 8 Teacher Recommendation
11-12	10151	.5	Philosophy	Offered 2023-2024
11-12	10150	.5	Poetry	Offered 2024-2025
11-12	10147	.5	Public Speaking	Offered 2024-2025
9	10117Y	1	Reading & Writing Workshop	

11-12	10148	.5	Reading Studio	
11-12	10160	.5	Sports Literature: Heroism, Victory, Disappointment	Offered 2023-2024
11-12	10149	.5	Video Literature: Examination of Entertainment Media	Offered 2023-2024

***(AC) (AP)** *These learning pathways require a higher level of student self-direction to complete learning opportunities outside the scheduled classroom hours; this often allows the pace to move more quickly. Please see the prerequisites above.*

10180, 10181 20th and 21st Century Literature and Composition
20th and 21st Century Literature and Composition fulfills the needs of the college-bound student who needs to develop their reading and writing skills. This class will read from a survey of 20th and 21st-century literature from various cultures and points of view. College composition skills will be introduced.

10136Y, 10137Y (AC) American Literature and Composition
Students in this course study a chronological survey of American literature. Emphasis is placed throughout helping students continue developing their reading and writing skills. The major areas of concentration are the literary genres of poetry, drama, short story, and novel; the expository essay; oral reports; and a review of grammar through the students' writing. Student learning will be assessed through a variety of methods.

10117Y, 10118Y (AC) Reading & Writing Workshop
Reading and Writing Workshop continues (from grades 7 and 8) with the fundamentals of literature and writing. Reading and Writing Workshop presents ideas and techniques upon which the other English courses are built and covers the following units: essay writing, grammar, speech, vocabulary, short stories, poetry, drama, and the novel. Continuing emphasis is placed on the competencies of speaking, listening, writing, and reading as well as study skills. Student learning will be assessed through a variety of methods. Students are recommended for this course by their sending schools.

10195Y (AP) Advanced Placement English Literature and Composition
Advanced Placement English Literature strives to develop the AP student's abilities as an independent reader and writer by giving the student a college-level course during the senior year. Advanced Placement English Literature is both demanding and intellectually stimulating. It requires the student's best effort consistently and emphasizes the student developing independence of thought and mature habits of critical thinking. Classroom discussion and active participation are vital and serve to test the student's ideas. Short- and long-term written assignments will be an important and frequent feature of the course. We will work with canonical and modern fiction and poetry, concentrating on teaching students to encounter new works and respond in their informed voice.

10138Y (AP) Advanced Placement English Language and Composition
The course investigates the various forms of formal and informal discourse and how students can best use rhetorical models to improve their written communication. Both writing and reading tasks are focused on how various discourses work. Following the AP tradition, this class will be treated as a college seminar. Students will be introduced to American Literature while developing and refining their reading, interpretive, writing, discussion, and analytical skills. Students entering AP English should be skilled in basic composition and proficient in standard English grammar and mechanics. Student learning will be assessed through a variety of methods.

10168 Creative Writing
This course is designed for students who wish to expand their basic writing skills into a more imaginative use of the language. The word “creative” tends to suggest that students must create. Not construct. Not narrate. Not simply tell the story they have in mind. The objective is that students use “imagination” and keen personal concern in writing. Emphasis is placed on the rewrite process. Student learning will be assessed through a variety of methods. *Offered alternating years.*

10145 Culture, Power, and Magic in Literature
This course strengthens students' literacy, speaking, listening, and analytic thinking skills. Students will explore how beliefs about race, power, and gender have shaped children’s literature and vice versa. Using the guiding ideas of various theorists, students will examine childhood stories such as Virginia Hamilton's; The People Could Fly: American Black Folktales; Maurice Sendak, Where the Wild Things Are; Margery Williams, The Velveteen Rabbit; Carlo Collodi Pinocchio; James Barrie, Peter Pan. Students will study whole class texts and choice readings, participate in small group discussions, and have the opportunity to write their own children’s stories, applying what they have learned. *Offered alternating years.*

10140, 10141 English 11-12
(This is not a college prep level class)
This semester-long class is designed for juniors and seniors who struggle to meet grade level proficiencies in large classes. English 11-12 offers students some personal choice in reading fiction and nonfiction, a smaller size class, and more opportunity to work in small groups and 1:1 with the teacher. Reading, thinking, writing, and speaking with detail and precision are emphasized. Student learning will be assessed through a variety of methods.

10169, 10170 English as a Second Language
English as a Second Language is a class specifically for non-native speakers of English. The course provides instruction in speaking, listening, reading, writing, and learning about American culture and its idiomatic expressions. Also, assistance is given to these students who need help with their schoolwork from other content areas.

10144 Epic Journeys
This elective course is dedicated to studying literature primarily through the lens of epic heroes across modern and ancient cultures. Emphasis will be placed on helping students develop their reading, writing, listening, and speaking skills through the close study of epic poetry, classical drama, and prose. Students will be introduced to the archetypal stages of the hero’s journey and various archetypes (heroes, villains, monsters). Students will be asked essential questions about the criteria for ancient and modern heroes. The fundamental goals of this course include nurturing lifelong learners, critical thinkers, and creative problem solvers. *Offered alternating years.*

10146 Introduction to Shakespeare and Film
This course introduces students to the life and selected works of William Shakespeare. It allows students to study and evaluate contemporary adaptations of Shakespeare’s works in film. The course also dedicates time to performing tasks to develop students’ expressive skills. Students learn to navigate complex texts and receive exposure to theater and the performing arts. Students must also evaluate contemporary contexts of Shakespeare’s universal themes, timeless conflicts, and timeless truths about the human condition. *Offered alternating years.*

10154 Journalism
In Journalism, the essentials of both writing and editing are taught as the student prepares for news writing, feature writing, editorial writing, sports writing, and book and film reviews. Students' work may be published in BFA's student paper, The Mercury. Student learning will be assessed through a variety of methods. Students may take this course twice.

10152, 10153 Lifetime English
(This is not a college prep level class)
Lifetime English provides an opportunity for seniors to develop their literacy skills and strategies. Guided by their interests, students self-select books to read independently. Collectively, students will study short stories, non-fiction articles, essays, novels, and films as they explore a variety of real-life issues—working class struggles, war, incarceration, gender roles, parenting, and aging. Students will write in various forms— journals, narratives, and reports.

10110 Literacy Lab
This intervention course is taught by a Reading Specialist and has been designed for students from one to three years behind in reading comprehension or vocabulary knowledge. A combination of standardized test scores and teacher recommendations will be used to place students in this course. Some of the topics explored are Metacognition (How can we pay better attention to what we read?); Summarizing (How do we identify important information?); and Figurative Language (What does abstract or poetic language add to a text, and how do we make sense of it?). In addition, the value of bringing a growth mindset to one's learning will be explicitly taught and promoted.

10151 Philosophy
In this course, students will explore the questions that have directed philosophy throughout the ages: What is the nature of the universe? What is an individual's relation to society? What is a good life? How do we find happiness? Students learn how different philosophers of Eastern and Western cultures have approached these questions, and they are allowed to question these ideas and formulate their own opinions. Philosophers may include Lao Tzu, the Buddha, Socrates, Plato, and Aristotle. Student learning is assessed through a variety of methods. *Offered alternating years.*

10150 Poetry
Poetry is designed for students who want to sharpen their aesthetics and analytical senses with the genre of poetry. In addition to studying the technical and structural aspects of poetry, such as imagery, metaphor, symbol, allegory, irony, and meter, much emphasis is given to appreciating the vital, living qualities inherent in the poetic works. Student learning will be assessed through a variety of methods. *Offered alternating years.*

10147 Public Speaking
The major goals of the Public Speaking class are to help the students gain self-confidence and to instruct the students in the techniques of organizing and delivering oral presentations. Students will study and compose various types of speeches and presentations. Limited to 15 students. Student learning will be assessed through a variety of methods. *Offered alternating years.*

10148 Reading Studio
This one-semester elective course allows students to strengthen their literacy and art skills in a blended, co-taught learning experience. Using a workshop model and differentiated, individualized goals, students engage in independent reading, participate in book groups, and build their English, art, and transferable skills. Students of all levels will learn new ways to access, explore and express ideas through literature and art. This course encourages students to use art to express themselves and make connections. Students with artistic talent who struggle with literacy or attention, students who love independent reading, and students who are visual or kinesthetic learners will all benefit from this class. This course offers an alternative pathway for students to get their .5 credit for Art I and .5 English credit. Assessment for Art and English proficiencies will be done by the teacher licensed in each area. *This will meet the requirements for Art I.*

10160 Sports Literature: Heroism, Victory, Disappointment, Defeat

Because they build a sense of identity, community, solidarity, and pride, sports play a vital role in our lives. In this course, students will examine the pivotal role sports play in shaping identity on individual, societal, and global levels. Through various media, students will explore how sports connect to universal topics such as gender and race, equality and prejudice, honesty and dishonesty, perseverance and disappointment, and heroism and pride. Students will develop their independent, critical thinking skills through analysis of various media and their treatment of sports and sports-related topics. Students will also be expected to show a connection between their own sporting lives and the themes found in sports literature. Student learning will be assessed through a variety of methods. *Offered alternating years.*

10149 Video Literature: An Examination of Entertainment Media

Video Literature is designed to apply literary analysis techniques to film and television. The course includes studies of primetime television/ digital (Netflix, Hulu, YouTube, etc.) productions and the history and evolution of entertainment media. This class will examine aspects of culture conveyed through film while developing students' skills in writing, reading, and analysis skills. Student learning will be assessed through a variety of methods.

MATHEMATICS

The Mathematics Department has developed a curriculum to meet every BFA student's needs. We offer courses so students can take courses appropriate for their mathematical development. The courses are carefully sequenced to reinforce previously learned concepts and sequential development of new material. Each course has prerequisites designed to ensure that every student will have a high probability of success.

(3) Math credits are required for graduation.

Mathematics Department Proficiency-Based Graduation Requirements

- Content Standards by Course (Algebra, Geometry, etc.)
- Common Core State Standards for math are taught and assessed in each math course.

9th Grade Options	10th Grade Options
Math Seminar Algebra I Accelerated Algebra I Geometry Accelerated Geometry	Algebra I Geometry Accelerated Geometry Algebra II Accelerated Algebra II
11th Grade Options	**All 11th and 12th Grade Options**
Geometry Algebra II Accelerated Algebra II Functions & Trigonometry Applied Math I & II Statistics Pre-Calculus Advanced Placement Statistics	All 11th-grade options + Advanced Calculus Advanced Statistics

Grade	Number	Credit	Course	Prerequisite/Notes
9	10318Y	1	(AC) Accelerated Algebra I	8th grade teacher recommendation
10-11	10338Y	1	(AC) Accelerated Algebra II	AC Algebra I 10318/AC Geometry 10328, Note: Students taking Geometry and Algebra II concurrently need a teacher recommendation.
9-10	10328Y	1	(AC) Accelerated Geometry	Algebra I 10316/10318
12	10358Y	1	(AP) Advanced Placement Calculus	Pre-Calculus or permission of instructor
11-12	10348Y	1	(AP) Advanced Placement Statistics	AC Algebra II 10338, Pre-Calculus
9-10	10316Y	1	Algebra I	Graduation Requirement
10-12	10336Y	1	Algebra II	Geometry 10326/10328 teacher recommendation Note: Students taking Geometry and Algebra II

				concurrently, need a teacher recommendation.
11-12	10340, 10341	1	Applied Mathematics I & II	Algebra I
11-12	10342	0.5	Functions and Trig	Algebra II
9-12	10326Y	1	Geometry	Algebra I
10-11	10327Y	1	Geometry in Construction	Algebra I
9	10310	0.5	Math Seminar	8th or 9th grade teacher recommendation
11-12	10345Y	1	Pre-Calculus	Algebra II 10336/10338
11-12	10344	0.5	Statistics	Algebra II

10316Y, (AC)10318Y: Algebra I

Learn the basis for advanced mathematics. Students will learn the language and structure of Algebra I. They will discover how to solve various equations arithmetically and graphically while discovering some real-world applications. Students will experience the world of algebra through class discussions, technology, demonstrations, and online tutorials. Learning will be assessed through performance tasks, traditional assessments, and technological activities. *This learning pathway requires a higher level of student self-direction to complete learning opportunities outside the scheduled classroom hours; this often allows the pace to move more quickly. Please see the prerequisites above. Proficiencies: Linear Functions, Quadratic Functions, Polynomials Functions, Rational and Radical Functions, Trigonometry, Statistics, and Modeling with Functions.*

10336Y, (AC)10338Y: Algebra II

Prepare for Precalculus and College Algebra! Students will learn about Polynomial Functions (including linear and quadratic functions), Rational and Radical Functions, Trigonometry, Statistics, and Modeling Functions (including Systems of Equations, Exponential and Logarithmic Functions). Students will use their knowledge of these topics to solve and graph equations and relevant problems. Learning will be assessed through quizzes, tests, and performance tasks. *This learning pathway requires a higher level of student self-direction to complete learning opportunities outside the scheduled classroom hours; this often allows the pace to move more quickly. Please see the prerequisites above. Proficiencies: Linear Functions, Quadratic Functions, Polynomials Functions, Rational and Radical Functions, Trigonometry, Statistics, and Modeling with Functions.*

10326Y, (AC)10328Y: Geometry

Geometry: Where real-life, mathematics, and art collide! Students will learn the basics of constructions, transformations, congruence, circles, area, volume, right triangle trigonometry, similarity, and the connections with real life and the art world. Students will experience geometry through hands-on investigations, class discussions, computer software investigations, demonstrations, and online tutorials. Learning will be assessed through projects, performance tasks, traditional assessments, and computer activities. (Additionally, the learning of Accelerated Geometry students is assessed through Independent Study and Exploration Tasks.) *This learning pathway requires a higher level of student self-direction to*

complete learning opportunities outside the scheduled classroom hours; this often allows the pace to move more quickly. Please see the prerequisites above. Proficiencies: Congruence- Transformations/ Constructions, Congruence-Theorems, Similarity, Right Triangles/Trig, Circles, Area/Volume

10358Y AP Calculus

Do you have a passion for higher-level mathematics? Want the opportunity to earn college credits while still in high school? Then this is the class for you! Students in AP Calculus will learn to analyze limits, derivatives, and integrals of functions graphically, analytically, and tabularly. Students will explore these concepts individually and collaboratively in preparation for the Advanced Placement Calculus AB Examination. Students will also learn to use the TI Graphing Calculator as a learning tool. Students will be assessed on their ability to apply their calculus knowledge to solve problems and to communicate and justify their solutions. Assessments will include assignments, quizzes, tests, AP practice questions, and a final project. *This learning pathway requires a higher level of student self-direction to complete learning opportunities outside the scheduled classroom hours; this often allows the pace to move more quickly. Please see the prerequisites above. Proficiencies: Introduction to Calculus, Limits & Continuity, Derivatives, Integration, Differential Equations, Area and Volume, AP Exam Preparation and Review, Multivariable Calculus.*

10348Y AP Statistics

Understanding the world you live in through Statistics will serve you well in most college majors and your post-college career. This course will cover and integrate the four major topics in statistics: Exploring Data, Planning a Study, Probability, and Statistical Inference. Graphic calculators are integral to this course. Students who wish to take the AP Examination in Statistics should plan to take this course as a preparation for the examination. Students will be assessed using materials similar to the College Board exam and practice materials. *This learning pathway requires a higher level of student self-direction to complete learning opportunities outside the scheduled classroom hours; this often allows the pace to move more quickly. Please see the prerequisites above. Proficiencies: Exploring and Understanding One-Variable Data, Exploring Two-Variable Data and Their Relationships, Gathering Data, Probability and Randomness, Sampling Distributions and Proportions, Inferences about Means, More on Inference, AP Exam Review and Preparation, Statistics After the AP Exam.*

10340, 10341 Applied Mathematics I & II

Learn how math affects daily life. This course presents students with practical applications of many mathematics and problem-solving skills. Included are the mathematics of everyday living, like checking accounts, income taxes, health mathematics, and budgeting. Other topics support our students' becoming active and conscientious citizens, including vote-counting methods and newspaper mathematics. Students will be assessed through individual and group projects, traditional assessments, and class discussions.
10340 Proficiencies: Numeracy and Unit Pricing, Banking Terms & Calculations, Employment Terms and Calculation, Interest Calculations and Loans, Car Insurance Terms and Calculations. 10341 Proficiencies: Car Loan Terms and Calculations, Car Insurance Standards and Options, Credit Terms and Benefits, Credit Card Types and Statements, Personal Budget Modeling

10342 Functions and Trigonometry

Have you finished Algebra II, and are you ready for one more semester of mathematics? If so, then Functions and Trigonometry is just for you! Functions and Trigonometry is a course centered around relevant applications of mathematics. It is designed for those students who have completed Algebra II and are looking to expand their current understanding of functions and trigonometry. Through technology, traditional, and hands-on methods, students actively engage in relevant problem-solving, reasoning,

connecting, and mathematical communication. Students will be assessed through various forms of evaluations. (May be combined with Statistics 10344 for a full year of study in mathematics.)
Proficiencies: Functions (transformations, circular, exponential, and logarithmic), sequences, series, and bi-variate data sets.

10327Y Geometry in Construction
This team-taught course will integrate BFA's Geometry curriculum with NCTC's Building Trades curriculum. The course will directly apply Geometry concepts in the construction field. It is our goal to have students make connections between both curriculums. The course is recommended for students interested in pre-engineering, architecture, construction management, interior design, landscape architecture, construction trades, and surveying. Potential students need minimal or no previous construction experience. Students will be exposed to practical skills in building and carpentry trades by constructing a wooden structure to be used by public or private customers. Possible projects for this service-based learning opportunity include sheds, small homes, and smaller-scale structures. Use coordinate geometry to study area, perimeter, volume, transformations, congruence, Pythagorean theorem, similar figures, trigonometry, quadrilateral properties, circle properties, logic, and functions. Students will also complete The National Center for Construction Education and Research (NCCER) Core Curriculum to receive an industry-recognized credential. Students will also receive their OSHA10 certification. *Proficiencies: Congruence-Transformations/Constructions, Congruence-Theorems, Similarity, Right Triangles/Trig, Circles, Area/Volume*

10310 Math Seminar
It's all about you! The BFA Math Department developed Math Seminar to meet the needs of our students who struggle in math, not because of a lack of effort but because they have gaps in their math education. This course will be completely personalized for each student, and all instruction will be on an individual basis. Learning will be assessed through student progress toward meeting their identified standards. *Proficiencies: varies based on student need Relationship Between Quantities; Solving Equations and Inequalities; Solving Systems of Equations and Inequalities; Polynomials, Functions, and Operations; Graphing Quadratic Functions*

10345Y Pre-Calculus
Have you finished Algebra II and are ready for more mathematics? This course is designed for students planning to take calculus or other advanced math courses. Through technology, traditional, and hands-on methods, students actively engage in problem-solving, reasoning, connecting, and communicating mathematically. Students will be assessed through various forms of evaluations. Students will have the option of taking this course as a Dual Enrollment Course with CCV. *Proficiencies: Linear Relations and Functions, Nature of Graphs, Polynomial Functions, Trig., Exponents and Logs, Stats, and Calculus.*

10344 Statistics
Learn how to understand and develop statistics we are confronted with daily. This semester-long course for college-bound students will explore basic concepts of probability, graphs, numerical methods, normal distribution, linear models, correlation, designing an experiment, hypothesis testing, and statistical fallacies. Students will be assessed through class discussions, traditional assessments, individual and group work done throughout the semester, and a final project to be presented at the end of the course. *Proficiencies: Summarizing, representing, and interpreting one variable data; summarizing, representing, and interpreting two variable data; interpreting linear models; evaluating random processes; drawing conclusions from statistical experiments and probability.*

SCIENCE

The Science Department has designed its classes to allow students to develop their ability to think like a scientist. We offer courses to meet a variety of interests as well as provide an appropriate challenge. Students are required to earn three credits in science for graduation. Incoming 9th graders will be enrolled in Earth Science. It is recommended that all students earn the required one credit in Earth Science and one credit in Biology before taking other credits in science. Those interested are encouraged to earn additional science credits.

(3) Science credits are required for graduation.

Science Department Proficiency-Based Graduation Requirements

- Content Standards by course (Earth Science, Biology, etc.)
- Next Generation Science Standards are taught and assessed in each Science course.

9th Grade Options	10th Grade Options
Earth Science Biology	Biology Chemistry
11th and 12th Grade Options	
Advanced Placement Biology Advanced Placement Chemistry Advanced Placement Environmental Science Advanced Placement Physics Anatomy & Physiology Chemistry Physical Science Environmental Studies and Outdoor Leadership Environmental Science Physics	

Grade	Number	Credit	Course	Prerequisite
11-12	10479Y	2	(AP) Advanced Placement Biology	Biology & Chemistry or permission of instructor
11-12	10469Y	2	(AP) Advanced Placement Chemistry	Chemistry & Algebra 10336/10338 or permission of instructor
11-12	10458Y	1	(AP) Advanced Placement Environmental Science	Earth Science, Biology & Chemistry (concurrent enrollment in Chemistry with permission of instructor)
11-12	10488Y	1	(AP) Advanced Placement Physics	Physics and concurrent enrollment in Calculus
11-12	10441Y	1	Anatomy & Physiology	Chemistry or permission of instructor
9-10	10426Y	1	Biology	Graduation Requirement Successful completion or concurrent enrollment in Earth Science

10-11	10436Y	1	Chemistry	Successful completion or concurrent enrollment in Biology. Concurrent enrollment in Algebra II - 10336 or 10338
9	10417Y	1	Earth Science	Graduation Requirement
11-12	10462Y	1	Environmental Science	Earth Science & Biology
11-12	10452Y	1 Sci 1 PE	Environmental Studies and Outdoor Leadership	Earth Science & Biology
11-12	10454Y	1	Physical Science	Earth Science & Biology
11-12	10446Y	1	Physics	Algebra II and Chemistry or concurrent enrollment with permission of instructor

*(AP) Advanced Placement: *This learning pathway requires a higher level of student self-direction to complete learning opportunities outside the scheduled classroom hours; this often allows the pace to move more quickly. Please see the prerequisites above.*

10441Y Anatomy & Physiology

Have you ever wondered how your body works? Anatomy and physiology are the studies of the structure and function of the human body. Students will look at structures and systems in the human body, their relationship to one another, and how they function. Students will explore and be assessed on their understanding of the human body through various methods, including labs, dissections, projects, and presentations. *Proficiencies: Human Body Organization; Supporting Systems; Senses & Responses; Major Processing Systems; Digestion & Excretion; Reproduction & Growth.*

10478Y AP Biology *(Double period, 2 credits)*

Given the speed with which scientific discoveries and research continuously expand scientific knowledge, one should consider taking this course as it offers insight into those cutting-edge revelations and their connections to the past. AP Biology is equivalent to a two-semester introductory college biology course taken by students majoring in biological science. A greater depth of topics covered at a faster pace of instruction, along with more sophisticated lab work and discussion groups, require students' time and effort to succeed in this course. Students are expected to take the AP Biology Exam in May. *Proficiencies: Evolution: The process of evolution drives the diversity & unity of life; homeostasis: Biological systems utilize free energy & molecular building blocks to grow, reproduce and maintain dynamic homeostasis; Genetics & Signaling: Living systems store, retrieve, transmit & respond to information essential to life processes, Biological Systems: System interactions & their complex properties.*

10468Y AP Chemistry *(Double period, 2 credits)*

Want to improve your understanding of college chemistry fundamentals that will help you succeed in future medicine, engineering, or science-related fields? Advanced Placement Chemistry is designed to be the equivalent of a two-semester college general chemistry course and is a building block for science, medicine, and engineering. Students will study reactions, atomic theory and bonding, kinetics, equilibrium, acid-base chemistry, and thermodynamics. Laboratory work focuses on inquiry and analyzing experimental data. Students are expected to take the AP Chemistry exam in May. *Proficiencies: Atoms and Elements, Structures and Properties of Matter, Chemical Reactions, Kinetics, Thermodynamics, and Equilibrium.*

10458Y AP Environmental Science

Concerned about the environment? Want to earn college credit? Explore AP Environmental Science in a fun yet rigorous manner. Students will investigate interrelationships of human impacts upon the natural

world and analyze potential ways to influence those impacts positively. AP Environmental Science includes hands-on fieldwork and in-depth data analysis from experiments, projects, reflections, etc., to draw logical conclusions. Topics range from ecology to population dynamics to climate change and resource management. Students will be expected to take the AP Environmental Science exam in May. *Proficiencies: The Living World, Populations, Earth Systems, Land and Water Use, Energy Resources and Consumption, Pollution, Global Change.*

10488Y AP Physics *(Mechanics)*
Are you interested in finding the cure for cancer or designing the ship that will take humans to Mars? AP Physics is a course that focuses on mechanics, how and why things move, and is essential for many medical, engineering, and science fields of study. Students will study kinematics, forces, rotational motion, energy, momentum, gravitation, and oscillations. These essential physics concepts will be investigated through demonstrations, laboratory work, discussion, and problem sets. The standards will be assessed using a variety of methods. *Proficiencies: Kinematics, Forces, Rotation, Energy, Momentum, Gravitation, and Oscillations.*

10426Y Biology
Have you ever wondered how your body works, how your parent's traits were passed to you, or how you impact both the living and non-living world? Biology is the branch of science dealing with the study of life. It describes organisms' characteristics, classification, and behaviors, how species come into existence, and their interactions with each other and the environment. Students will explore these topics using various methods, including labs, dissections, discussions, and projects. *Proficiencies: From Molecules to Organisms: Structures and Processes; Ecosystems: Interactions, Energy and Dynamics; Heredity: Inheritance and variation of Trails; Biological Evolution: Unity and Diversity.*

10436Y Chemistry
Learn about why substances react the way they do. Chemistry studies atoms and molecules focusing on how their structure and motion affect chemical reactions and physical changes. Students will investigate these concepts through demonstrations, laboratory work, discussion, and problem-solving. The standards will be assessed using a variety of methods. *Proficiencies: Matter, Chemical Reactions, Energy, and Bonding.*

10417Y Earth Science
The Earth is constantly changing! In this class, students will develop and refine their scientific thinking skills (questioning, experimenting, analyzing, explaining, and evaluating) while exploring topics within Earth's changing systems, including Geology, Climate Change, and Space. Students will develop these skills through hands-on investigations, projects, reflections, discussions, quizzes, and constructed responses. Students will be provided opportunities for practice, feedback from teachers and peers, and revisions to their assignments. Student choice and differentiation accompany most areas of study. *Proficiencies: Astronomy, Geology, Climate, and Natural Resources, Scientific Inquiry.*

10452Y Environmental Studies and Outdoor Leadership Course
(Double period, 1 Science credit, 1 PE credit)
Is engaging in "hands-on and minds-on learning" appealing? Do you like being outdoors and seeking new challenges, adventure, solving problems, and learning about the natural world? This course offers a curriculum that will engage students directly in the interdisciplinary study of topics and activities related to natural history, geology, biological processes, and geography, as well as service-learning projects in the local community and the active learning and practice of a wide variety of outdoor adventure skills. These

include hiking, canoeing, outdoor survival skills, rock climbing, snowshoeing, mountain biking, wilderness first aid, map and compass, fishing, trail building, and ropes course challenges. This course will combine diverse and rigorous academic learning opportunities with various social/emotional challenges and opportunities for growth. *Proficiencies: Aquatic Ecology and Forest Ecology, Natural Communities, and Conservation and Stewardship.*

10462Y Environmental Science

If you like getting outside and working in the field, this class is for you! Students will be outside collecting samples for analysis to study the interaction of the biotic and abiotic environment. Students will investigate current issues with Lake Champlain/St. Albans Bay and global study issues connected with human impacts through fieldwork and lab investigations, research projects, and engineering projects. Students will be provided opportunities for practice, feedback from teachers and peers, and revisions to their assignments. *Proficiencies: Scientific Inquiry, Natural Resource Management, Human Impacts, and Ecosystems.*

10454Y Physical Science

Want to know how you can shock someone or how firecrackers work? Physical Science studies chemistry and physics, focusing on a conceptual understanding of mechanics, energy, electricity, and the building blocks of matter. These topics will be explored through labs, demonstrations, readings, and discussions. The standards will be assessed using various methods, including tests, lab reports, and projects. The course is designed for students considering non-science-related post-secondary education. *Proficiencies: Forces, Conservation Laws, Electricity and Magnetism, Matter, Bonding, and Reactions.*

10446Y Physics

Have you ever asked yourself why a satellite moves around the Earth instead of flying off into space or where is the safest place to be during a lightning storm? Physics studies the predictable way objects move and will help you answer these questions. Students will investigate mechanics, energy, waves, electricity, and magnetism. These essential physics concepts will be investigated through demonstrations, laboratory work, discussion, and problem sets. The standards will be assessed using a variety of methods. *Proficiencies: Motion, Forces, Conservation Laws, Electricity and Magnetism, and Inquiry.*

SOCIAL STUDIES

The BFA Social Studies Department employs current and progressive learning methods and technologies to understand how an interconnected human society works and determine how it can best work in the future. We accomplish this by learning what humanity and societies have created over time and using that understanding to solve and determine where we can go in the future.

(3) Social Studies credits are required for graduation.

Social Studies Proficiencies:

1. **Inquiry** - Students make sense of the world by questioning and developing reasonable explanations to support such inquiry through analyzing information.
2. **History** - Students understand and evaluate change and continuity over time by appropriately using historical evidence in answering questions and developing arguments about the past.
3. **Geography** - Students use geographic inquiry and reasoning to propose solutions to local, national, and global issues.
4. **Civics** - Students act as productive citizens by understanding the history, principles, and foundations of our American democracy and acquiring the ability to become engaged in civic and democratic processes.
5. **Economics** - Students make economic decisions by understanding the interactions between humans, governments, economic systems, and national and global marketplaces.
6. **Evaluating Sources and Using Evidence** - Students use various technologies and skills to find information and to express their responses to questions through well-reasoned explanations and evidence-based arguments.
7. **Communicating Conclusion and Taking Informed Action** - Students demonstrate readiness for civic life by communicating an argument that has been strengthened by evidence, critiques, and reflection and that can be used as a foundation for action.

9th Grade Options	**10th Grade Options**
Global Citizenship Accelerated Global Citizenship	21st Century America Advanced Placement U.S. History Advanced Placement Government & Politics Economics Gender Studies History of American Music Psychology I & II Sociology of Crime The American Experience
11th Grade Option	**12th Grade Options**
Advanced Placement Government & Politics Advanced Placement Psychology Advanced Placement U.S. History Economics Gender Studies History of American Music Psychology I & II Sociology of Crime The American Experience	All 11th-grade options Senior Civics

Grade	Number	Credit	Course	Prerequisite/Notes
10	10219	.5	21st Century America	Teacher Recommendation
9	10211Y	1	(AC) Accelerated Global Citizenship*	8th Grade Teacher Recommendation/Grad Requirement
11/12	10248Y	1	(AP) Advanced Placement Government & Politics	10th Grade w/ 9th grade Social Studies teacher recommendation
11/12	10258Y	1	(AP) Advanced Placement Psychology	
11/12	10238Y	1	(AP) Advanced Placement U.S. History	10th Grade w/ 9th Social Studies grade teacher permission
10-12	10251	.5	Economics	
10-12	10249	.5	Gender Studies	
9	10210Y	1	Global Citizenship*	Graduation Requirement
10-12	10250	.5	History of American Music	
10-12	10241	.5	Psychology I	
10-12	10242	.5	Psychology II	
12	10247	.5	Senior Civics	
10-12	10254	.5	Sociology of Crime	
10-12	10231Y	1	The American Experience	Graduation Requirement

**Graduation requirement Accelerated Global Citizenship OR Global Citizenship*

** (AP) (AC) These learning pathways require a higher level of student self-direction to complete learning opportunities outside the scheduled classroom hours; this often allows the pace to move more quickly.*

10219 21st Century America

21st Century America is a 10th-grade semester-long elective course that uses modern-day American history to build Social Studies reading, writing, and thinking skills that set students up for success in their future Social Studies courses. Students will engage in content that pertains to modern-day national issues and build a toolkit of resources to expand their skills. This course will be recommended for students by their 9th-grade Global Citizenship teacher. *Proficiencies: Inquiry and History*

10211Y AC Global Citizenship *(Graduation Requirement)*

Accelerated Global Studies is a yearlong, one-credit college and career preparatory course for 9th graders. This course is taught in conjunction with Accelerated Writing Workshop. This course teaches students to connect to their local community and the world. Students will deepen their understanding of their place in their community and the broader world by examining their interconnectedness through a historical, geographic, cultural, and economic framework, organizations, and people on a global level. *Proficiencies: Inquiry, Geography, and Global Economics*

10248Y AP Government and Politics

AP U.S. Government and Politics is a yearlong, one-credit course for 11th or 12th graders. 10th graders can take the course with a recommendation from their 9th-grade Social Studies teacher. This course gives students an analytical perspective on government and politics in the United States. It includes the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute the U.S. government and politics. Topics include facts, concepts, and theories about U.S. government politics, Patterns of political processes, behaviors, and consequences, and interpretation of data relevant to U.S. government politics. Assessment includes reading comprehension guides for chapters in the text essays, tests, projects, and participation. Students who take and receive strong scores on the AP U.S. Government and Politics exam may receive three college credits. *Proficiencies: Inquiry and Civics*

10238Y AP U.S. History

Advanced Placement U.S. History is a yearlong, one-credit course for 11th or 12th graders. 10th graders can take the course with a recommendation from their 9th-grade Social Studies teacher. AP U.S. History is designed to be the equivalent of a two-semester college or university U.S. History course. In AP U.S. History, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, continuity, and change over time. The course also provides seven themes that students explore throughout the course to make connections among historical developments in different times and places: American and national identity; migration and settlement; politics and power; work, exchange, and technology; America in the world; geography and the environment; and culture and society. Assessments include reading comprehension guides for chapters in the text, essays, unit tests, projects, and participation. Students who take and receive strong scores on the AP U.S. History exam scores may receive six college credits. *Proficiencies: Inquiry and History*

10258Y AP Psychology

The Advanced Placement Psychology course is designed to introduce students to the systematic and scientific study of human and animal behavior and mental processes. Students are exposed to each major psychology subfield's psychological facts, principles, and phenomena. They also learn about psychologists' ethics and methods in their science and practice. The Advanced Placement Psychology course will allow students to learn about the explorations and discoveries made by psychologists over the past century. Students will get to assess some approaches psychologists adopt, including biological, behavioral, cognitive, humanistic, psychodynamic, and sociocultural perspectives. Students will also learn basic psychology research skills and develop critical thinking skills. The Advanced Placement Psychology course aims to provide students with a learning experience equivalent to most college introductory psychology courses. Students who take and receive strong scores on the AP U.S. History exam scores may receive six college credits. *Proficiencies: Inquiry, Communicating Conclusions, and Taking Informed Action*

10251 Economics

Economics is a one-semester, half-credit, elective course for 10th, 11th, or 12th graders. In the course, students will learn basic economic concepts (scarcity, opportunity cost, comparative advantage, etc.) to develop an economical way of thinking. Once grounded in the basics, students will develop an understanding of the interactions between humans, governments, economic systems, and both the national and global marketplaces. Topics in microeconomics include the nature and function of product markets (supply and demand, consumer choice, production and costs, healthy behavior, and market

structure) and the role of government. Topics in macroeconomics will include measuring economic performance (GDP, inflation, unemployment), national income and price determination, the financial sector, fiscal and monetary policies, and international trade and finance. *Proficiencies: Economics*

10249 Gender Studies
Gender Studies is a one-semester, half-credit, elective course for 10th, 11th, or 12th graders. This course offers an introduction to Gender Studies, an academic field that explores critical questions about the meaning of gender in society. The primary goal of this course is to familiarize students with key issues, questions, and debates in Women's, Men's, and Gender studies, both historical and contemporary. Students critically analyze gendered performance and power themes in various social spheres, such as law, culture, education, work, medicine, social policy, and the family. *Proficiencies: Inquiry and History*

10210Y Global Citizenship *(Graduation Requirement)*
Global Citizenship is a yearlong, one-credit course for 9th graders. This course is taught in conjunction with the Reading and Writing Workshop. This course teaches students to connect to their local community and the world. Students will deepen their understanding of their place in their community and the broader world by examining their interconnectedness through a historical, geographic, cultural, and economic framework. *Proficiencies: Inquiry, Geography and Global Economics*

10250 History of American Music
What makes American music ' American?' How has music shaped our American culture? In this course, we will learn how music has evolved and understand what made American music "American." We will interpret how songs were used as a means of inspiration and covert communication; learn how music brought relief to those afflicted with the perils of segregation and institutional racism; connect songs of the working class Americans and their battle for working rights; understand the evolution of American Jazz and the rise of female jazz singers; assess how songs from the Civil Rights era helped to unify the fight for equality; evaluate songs of protest during the Vietnam era and the Women's Liberation Movement; and lastly, we will critique how music is helping us to uphold the American Dream. Can music change the world? Does music matter? *Proficiencies: Inquiry and History*

10241 Psychology I
Psychology I is a one-semester, half-credit, elective course for 10th, 11th, and 12th graders. Psychology I introduce the student to history, the major psychological theories of the past and the present, and the role of the scientific method in psychology. Some topics include the structure and function of the brain and nervous system, fight and left-brain studies, the relationship between the physiology of the brain and behavior, personality, and determining personality styles. Movies and documentary series dealing with scientific research and findings will be an integral part of the class. The setting up and execution of experiments are also part of the course learning. (You do not need to take Psychology I to take Psychology II. They are stand-alone classes.) *Proficiencies: Inquiry and History*

10242 Psychology II
Psychology II is a one-semester, half-credit, elective course for 10th, 11th, and 12th graders. Psychology II includes studies of intelligence and learning and focuses on mental disorders (Schizophrenia, Psychosis, Paranoia, etc.) as well as the treatment of mental illnesses. Students will use various communication skills, including social studies skills such as writing, reading, observing, group work, discussion, and role-playing, which culminates with writing a research paper on a specific psychological disorder. (You do not need to take Psychology I to take Psychology II. They are stand-alone classes.) *Proficiencies: Inquiry, Communicating Conclusions, and Taking Informed Action*

10247 Senior Civics
Senior Civics is a one-semester, half-credit, elective course for 12th graders. The student will investigate and explore contemporary America, examine the community they are part of, and activate themselves as participatory citizens. The American economy will be a focus of study while students learn the economic challenges and money management issues they will face as an adult. Students will develop media literacy skills, study diverse public issues, and evaluate methods to improve all Americans' lives. *Proficiencies: Civics and Economics*

10254 Sociology of Crime
Sociology of Crime is a one-semester, half-credit, elective course for 10th, 11th, or 12th graders. This course focuses on the central question of why people commit crimes. Students will learn the nature of the crime, why it occurs, and why national statistics have shown that roughly 70% of people who commit a crime will likely do so again. The Sociological perspective of criminal behavior focuses on what social factors exist in a person's life that influences them to engage in what our society has articulated as criminal behavior. By the end of the course, students will be able to articulate and evaluate the reasons behind committing a crime and create the necessary social structures needed to reduce criminal behavior. *Proficiencies: Inquiry and History*

10231Y The American Experience *(Graduation Requirement)*
The American Experience is a yearlong, one-credit course for 10th or 11th graders. The American Experience allows the student to explore how citizenship, government, and history have shaped what it means to be an American and how this meaning has changed over time. This full-year course provides students with a basic understanding of our government's foundation and an opportunity to interpret how historical events, people, and situations have transformed the rights, duties, and responsibilities of citizens, both past and present. Through various activities, students will analyze primary and secondary sources, develop historical arguments, make historical comparisons, and apply reasoning through contextualization, causation, continuity, and change over time. *Proficiencies: Inquiry, History, and National Economy*

BUSINESS EDUCATION

The Business Education Department Curriculum prepares students for college and careers. It is designed to give students the basic business concepts and knowledge to have the confidence to face the challenges of an ever-changing 21st-century business world. Our courses address the needs of all students and provide them the flexibility to enter a two or four-year college program, the workforce, or a specialized business training program. All the courses complement each other and develop and enhance 21st-century skills. Learning will be assessed through performance tasks, written reflection, projects, presentations, and formative and summative assessments.
According to the 2021 Princeton Review, Business, Economics, and Communications are the top five majors at the collegiate level today. (http://www.princetonreview.com/college/top-tenmajors.aspx)

(1) business credit is required for graduation.

Business Education Proficiency-Based Graduation Requirements
All the business courses include the National Business Education and Transferable Skills standards.

1. **Business Concepts** - Students can comprehend and demonstrate the basic concepts presented within the Business Curriculum.
2. **Career and College Readiness** - Students can identify their career interests and what steps are necessary to further their education at the postsecondary level or the world of work.
3. **Effective Communication Skills** - Students can present ideas coherently with a clear or creative sequence, whether writing or speaking, while demonstrating a command of standard English spelling, grammar, and usage conventions.
4. **Financial Literacy** - Students can solve financial problems correctly and precisely with a logical progression of steps with a detailed explanation of those steps when applicable.
5. **Soft Skills** - Students can demonstrate the necessary interpersonal skills to solve problems, communicate and collaborate effectively, and utilize leadership skills to take the initiative and responsibility for their personal decisions and actions.
6. **Technology Applications** - Students can use technology as a tool to solve problems and present material while practicing responsible digital citizenship.
7. **Transferable Skills** - Self-Direction, Clear & Effective Communication, Responsible & Involved Citizenship

9th Grade Options	10th, 11th, 12th Grade Options
Business Management Sports & Entertainment Marketing	Accounting I Business Law I Business Management Career Exploration (10th &11th only) Entrepreneurship Leadership Training Personal Finance Sports & Entertainment Marketing

Grade	Number	Credit	Course	Prerequisite/Notes
10-12	10631 10632	1	Accounting I (A, B)	Full-year course
10-12	10644	.5	Business Law I	
9-12	10643	.5	Business Management	

10-11	10660	.5	Career Exploration	
10-12	10623	.5	Entrepreneurship	
10-12	10649	.5	Leadership Training	
10-12	10621	.5	Personal Finance	Graduation Requirement
9-12	10670	.5	Sports & Entertainment Marketing	

10631, 10632 Accounting I
Accounting is referred to as the "language of business." Accounting focuses on understanding, interpreting, and using accounting information to make financial decisions. Students learn how to keep financial records for small business activities and gain an understanding of the dynamic nature of the business environment in which accounting information is used. Simulations and computer applications, including Excel spreadsheets and Automated Accounting Software, such as Quickbooks, help students apply and reinforce concepts learned. This course is helpful for college-bound or business-oriented students. Instructional Strategies will include class discussion, presentations, demonstrations, internet research, possible guest speakers, and an emphasis on hands-on learning by practicing accounting skills learned both by hand and using the automated accounting software.
Accounting I may receive .5 math credit with permission from the teacher.

10644 Business Law I
Business Law addresses statutes and regulations affecting businesses, families, and individuals in their related roles. Knowledge of business law is useful for all students because they eventually assume roles as citizens, workers, and consumers in their communities and society. Business students must include in their academic preparation a basic knowledge of the legal system and how business law impacts commerce in their own country and abroad (i.e., the impact of globalization). They must also understand state, territory, or province laws and how federal law sometimes works with international law. Instructional strategies include class discussion, presentations, demonstrations, internet research, and guest speakers.

10643 Business Management
This course is designed for students who want to learn the fundamental concepts of the business world and will help students lay the groundwork for managerial competence in the global marketplace. Some of the general goals of the course are: how businesses and communities depend on each other to prosper; discussion of the factors that make our economic system successful; and why our economic system is the envy of the world in terms of standards of living and the production of goods and services. Students will utilize this information to understand how a successful business is managed. Instructional strategies include class discussion, presentations, demonstrations, internet research, and guest speakers.

10660 Career Exploration
Students will assess their interests, abilities, and values to develop self-awareness, set goals, and make decisions for their future. They will begin developing a personalized learning plan to prepare them for their career path. Students will explore current and projected career options utilizing the web and community-based resources and explore post-secondary options. Students will prepare a personal budget and learn the fundamentals of managing savings and checking accounts, as well as information regarding credit and identity theft. Students will also conduct a job search, prepare a resume and cover letter and

acquire interviewing skills. Instructional strategies include class discussion, presentations, demonstrations, simulations, internet research, and guest speakers.

10623 Entrepreneurship

This course will introduce students to the entrepreneurial mindset through experiential learning activities. Students will explore what skills and knowledge it takes to become a successful entrepreneur. Students will develop creativity, critical thinking, innovation, and problem-solving skills as they turn their dream business into a reality by building a business plan. Students will learn about planning, organizing, implementing, and controlling during the process. The course will also introduce marketing, managing, financial accounting, and the legal setup of a business. Students will have the skills necessary to succeed as an entrepreneur or to work in business. Instructional strategies include class discussion, presentations, experiential learning opportunities, internet research, and guest speakers.

10649 Leadership Training

This highly interactive, hands-on course is designed to prepare high school students for the real world. It will give the student the skills needed to reach their goals and live up to their full potential – at school, home, and work. It is based on the Dale Carnegie® Training model, and students will have the opportunity to receive Dale Carnegie® Leadership Training Certification. Students will be taught how to present information, build relationships with others, manage stress, participate in team-building exercises, gain confidence in their ability to interact with others, set goals, learn techniques to become better students and improve their attitude, build their communication skills and become better problem-solvers. Students will also be involved with the Win-Win Mentoring program, where they will mentor local elementary students. Instructional strategies include class discussion, experiential learning opportunities, presentations, and videos.

10621 Personal Finance

GRADUATION REQUIREMENT

Personal Finance equips students with essential financial literacy and technology skills that will help them be successful in other BFA courses, entry-level jobs, college, and their personal lives.

This course will help students learn how to live independently and make informed decisions. Students will study banking and financial services, managing checking accounts, savings, and investment strategies, managing a budget, using credit wisely, protecting against risk, and gaining knowledge regarding property, life, and health insurance. We will embed Google Workspace tools (docs, spreadsheets, email, presentations, and file management) within assignments to enhance students' technology skills. Instructional strategies include class discussion, presentations, demonstrations, internet research, and guest speakers.

10670 Sports & Entertainment Marketing

This project-based course is designed to introduce the student to the world of Sports, Entertainment, and Recreation Marketing. Students will learn how to apply the marketing mix (product, place, price, promotion) to the sports, entertainment, and recreation industries. Students will manage their football franchise and learn about sponsorships, endorsements, licensing, careers, advertising, and the media. Students will also gain a greater awareness of marketing campaigns and strategies used to sell products in these industries. Students will use various technologies as they collaborate to design logos, create TV and radio commercials and produce various promotional materials. Instructional strategies include class discussion, presentations, internet research, simulations, demonstrations, videos, hands-on learning, guest speakers, and possible field trips.

DESIGN TECHNOLOGY

GRAPHIC DESIGN - ENGINEERING PRINCIPLES - DESIGN & BUILD

Design Your Future With Us! Hands-on, single-period classes with a focus on Design Thinking. You will design and build all types of cool things! Classes are project-based, hands-on, fun, exciting, and engaging as you work independently or as a team to develop and build some of the project possibilities below. Learn the Design Thinking approach to model and prototype solutions to your design problems.

Project Possibilities
Bumper stickers, T-Shirts, hats, mugs, vinyl sticker designs, LED lamps, rockets, robot design, computer programming including routers, plasma cutting, laser engraving, and all types of woodworking projects.

Design Technology Proficiency-Based Graduation Requirements

1. **The Nature of Technology** - Technology Literacy
2. T**echnology and Society** - The impact technology has on history
3. **Design and Application** - Attributes of design, engineering practices, research and development, invention, and innovation
4. **Abilities for a Technological World** - Implementation of tools and machines to model, test, troubleshoot, observe, investigate, and analyze
5. **The Designed World** - Using resources to build creative solutions

9th Grade Options	10th, 11th, 12th Grade Options
Wood Design Graphic Arts Introduction to CAD Architectural CAD Principles of Engineering Principles of Engineering II Electricity & Electronics Wood Design & Fabrication S.T.E.A.M.	All 9th Grade Options Advanced Architectural CAD Independent Study in all Classes Principles of Engineering III Graphic Arts Advanced Wood Design

Grade	Number	Credit	Course	Prerequisite/Notes
10-12	10746	.5	Advanced Architectural CAD Interior & Landscape Design	10745
9-12	10731	.5	Advanced Wood Design	10703
9-12	10732	.5	Advanced Wood Design II	10703
10-12	10733	.5	Advanced Wood Design III	10703
9-12	10745	.5	Architectural CAD Interior & Landscape Design	10701
9-12	10704	.5	Communication: Graphic Arts	

9-12	10705	.5	Electricity & Electronics	
9-12	10701	.5	Introduction to CAD	
9-12	10700	.5	Principles of Engineering*	
9-12	10720	.5	Principles of Engineering II*	10700
10-12	10721	.5	Principles of Engineering III*	10720
9-12	10710	1	STEAM	(Offered 24-25 TBD)
9-12	10703	.5	Wood Design	

**Principles of Engineering courses may count towards a student's 3rd Science credit requirement or remain an elective credit.*

10746 Advanced Architectural CAD Interior & Landscape Design
Students will build upon their skills developed in 10745 to explore more in-depth floor plans and interior/exterior design. Students will simulate the professional duties of an architect, interior, or landscape designer by producing a project for clients.

10731, 10732, 10733 Advanced Wood Design
This hands-on course will build on the fundamentals of design, symmetry, and balance through the fabrication of wood products. You will design and construct more complex products of your choice while expanding your understanding of core concepts in areas that will include wood properties and identification, joinery procedures, finish techniques, design layout, laser engraver/cutting operations, and business/cost analysis of products. The knowledge you acquire through this course extends across many disciplines through the production of your projects.

10745 Architectural CAD Interior & Landscape Design
Students build upon their skills developed in 10701 and learn how to create unique floor plans and explore and create interior colors and textures of their space utilizing Chief Architect and SketchUp. Students will develop the knowledge needed to create landscapes and hardscapes: stone walls and patios as part of the architectural design. This process develops and strengthens students' imagination to think technically and freelance other aspects of the project.

10704 Communications: Graphic Arts
Would you like to know how to use images to sell your product? Be a Master of Visual language and learn to interpret an image's meanings. Explore graphic arts and how visual language affects everyone every day. Develop your company's brand, logos, and promotional materials, such as t-shirts, bumper stickers, hats, mugs/glasses, memo pads, greeting card designs, business cards, and keychains. Become part of a team that will develop unique packaging ideas for a new product, as you will design and produce your original concepts from start to finish. Graphic Design explores the processes needed to develop original concepts using state-of-the-art computer design/publishing programs to produce professional quality projects. Current digital computer programs include Adobe InDesign, Illustrator, and Photoshop. You will develop an understanding of the printing processes throughout history up to current-day technologies like screen-printing and lasers for etching and cutting.

10705 Electricity & Electronics

Open your eyes to programming, circuit design, and applications incorporating sensors and other technology to control your 21st-century world! Fundamentals of Computer Programming and game design, wiring circuits, and exploring how electricity is created will be examined through Problem Based Learning. Experience Green Energy technologies and the effect of magnetism on electric motors, and develop testing strategies to analyze a variety of circuits. Arduino-controlled systems and sensors will examine Series, parallel, and complex circuits.

10701 Introduction to Computer-Aided Design (CAD)

This course will provide students with opportunities to explore a variety of design programs that engineers use to design and problem-solving. Students will be introduced to architectural and landscaping design using Chief Architect, SketchUp, and ON-Shape. You can expect to design dream houses, camping, and beach cabins. Additionally, this course will introduce students to mechanical design using SolidWorks. Students will learn to design and model in 3D to create various consumer products. Lastly, the class will explore computer-aided machining using Mastercam. The class will design CNC toolpaths that can be used to make parts on a CNC machine.

10700 Principles of Engineering I

Do you like to design, build, and create cool things? These are distinguishing characteristics of engineers, and this STEM class is the first leg of the engineering pathway exploring Engineering and Design. You will explore STEM by thinking critically and creatively to work through numerous exciting, hands-on, problem-based activities and projects, working independently or with a team. You will explore many aspects of Design Thinking, problem-solving, creative design concepts, innovation, and invention. Once you develop a solid foundation in these areas, you will use your ideas and strategies to work in a self-paced learning environment. Learn to use high-tech equipment such as 4-axis robots to manipulate programs and transport materials, 3-D printers, Laser Engravers, CNC Routers, Plasma cutters, and welding. The curriculum also includes Computer programming, 3-D Solid Design and Modeling and analysis, Introduction, Forces and Motion Simulations, Simple Machines, Pulleys and Gears, Belts and Pulleys, Cams and Linkages, Forces and Power, and Construction/Destruction. You will design and build many cool things as you learn the principles behind them. *NOTE: This course may count towards a student's 3rd Science credit or remain an elective credit.*

10720 Principles of Engineering II

Expand your knowledge on the second leg of the engineering pathway. This STEM-focused course offers you the opportunity to apply and incorporate a variety of approaches with a project-driven curriculum that utilizes challenges and competitions as you construct solutions to the outlined problems throughout the semester. Concepts are based on mechanical design, material uses, fabrication, computer programming, and processes. Programming 4-axis robots to manipulate and transport materials, CNC equipment, plasma cutters, laser engravers, and 3D Rapid prototyping machines will allow you to create your 2D and 3D solid models! All projects will develop your ability to problem-solve, analyze, and use logical reasoning while developing your designing and problem-solving strategies as you discover the real-world application. Activities include Operations in 3-D Solid Modeling and Design, Cutting CNC parts, building robots, Program integrated 4-axis robots, Product case design, Rapid prototyping and design part of your choice, CNC operations, Rube Goldberg machines, CAM routing, Cloud computing, alternative energies, and open-ended engineering projects. *NOTE: This course may count towards a student's 3rd Science credit or remain an elective credit.*

10721 Principles of Engineering III

You will apply your practical knowledge of STEM on the third leg of the Engineering pathway as you create more advanced models and parts. You will continue to be STEM-focused as you apply and incorporate ideas from other academic courses. Educational topics include Problem Solving, Design and Modeling, Project Management, Rube Goldberg Machines, Failure Modes, Effect Analysis, and Advanced CAM tool path creation. Professionalism, quality workmanship, teamwork, and collaboration and teamwork with community members will be emphasized. Class projects have included a quadcopter, Arduino-controlled wind-powered Vehicles, and remotely controlled vehicles equipped with launching devices, remote control, hovercrafts, and suspicious device removal vehicles. *NOTE: This course may count towards a student's 3rd Science credit or remain an elective credit.*

10710 STEAM (Science, Technology, Engineering, Arts, Math)

This class is centered around flexible learning processes. You will be guided with support from faculty in all areas of STEAM as you focus on creativity and design thinking. While students produce a variety of projects incorporating many of the key areas of STEAM. You will have access to any lab in Design Technology or Arts for support while working on a variety of exciting projects that connect your learning paths, such as laser technology to produce art or extend an artistic creation, creating art with LED wearables, inspiration nation, and a variety of really cool projects. Your interests and creative problem-solving skills essentially drive these projects. You will be introduced to a variety of new tools & techniques in both Design Technology and art, all while creating meaningful projects that you have designed yourself. You will receive .5 Elective and 5 Art credits for class for this 1 semester course. *(Offered Alternating years)*

10703 Wood Design

This is a hands-on class where you will explore the fundamentals of design, symmetry, and balance through the fabrication of wood products. You can build various projects of your choice that fit your lifestyle. You will explore the design process while becoming familiar with woodworking, craftsmanship, and problem-solving essentials. Choose a product to construct as you learn core concepts by exploring wood properties, materials processing, wood identification, joinery procedures, finish techniques, and price-to-cost analysis when bringing products to market. Incorporate high-end technologies such as laser engraving on a wide variety of raw materials to be included in the fabrication of your projects.

FINE ARTS

The Fine and Performing Arts provide positive outlets for students, allow them to foster critical thinking and problem solving, and have been proven to improve grades across the curriculum. The arts strengthen literacy, enhance self-esteem, develop essential skills for global competitiveness in the 21st century, and stretch the brain in new and necessary ways to create the innovation in students that the changing world demands.

(1) Fine Arts credit is required for graduation.

Fine Arts Proficiency-Based Graduation Requirements

1. **Create** - Students communicate powerfully through the arts, demonstrating fluency in essential skills, terminology, and processes with an artistic problem-solving approach.
2. **Perform/Present/Produce** - Students communicate meaning and demonstrate skills through public exhibitions and performances.
3. **Connect** - Students create connections between the arts, history, culture, politics, and other domains.
4. **Respond** - Through critique and analysis of the work of masters and others.

Course Options	
Performance Arts: Acting for Everyone Advanced Dance Art of Communication Dance Improvisation for Theater and Life Intermediate Dance Theater Studies: Performing and Beyond Unified Theater **Visual Arts:** Art 1 Art 2 Clay Drawing Painting Photography Printmaking	**Musical Arts:** Band I Band/Chorus I Continuing Guitar Beginning Guitar Chorus I Music Technology Music Theory Online Influencer of the Arts Piano Lab String Ensemble STEAM **Advanced Arts Classes:** Art Studio Band I/II/III Band/Chorus I/II AP Studio Art Portfolio

Grade	Number	Credit	Course	Prerequisite/Notes
9-12	10874	.5	Advanced Dance	Intermediate Dance
9	10845	.5	Acting for Everyone	
12	10889Y	1	AP Studio Art	Permission of instructor/ Art 1

9-12	10850	.5	Art 1	
9-12	10851	.5	Art 2	Art 1
9-12	10844	.5	Art of Communication	
9-12	10878	.5	Band I (A, B)	Previous instrumental instruction
10-12	10881	.5	Band II (A, B)	Band I or permission of instructor
9-12	10885	.5	Band III (A, B)	Permission of instructor only
9	10879	.5	Band/Chorus I (A, B)	Previous instrumental instruction
10-12	10882	.5	Band/Chorus II (A, B)	Band I/Chorus I
9-12	10887	.5	Beginning Guitar	
9-12	10877	.5	Chorus I (A, B)	
10-12	10880	.5	Chorus II (A, B)	Completion of at least two semesters of Chorus I or permission of instructor.
9-12	10854	.5	Clay	Art 1
9-12	10890	.5	Continuing Guitar	Completion of Guitar I or permission of instructor
9-12	10876	.5	Dance	
9-12	10858	.5	Drawing	Art 1
9-12	10871	.5	Improvisation for Theater and Life	
9-12	10892	.5	Intermediate Dance	Dance
9-12	10883	.5	Music Technology	Successful completion of any music related course or permission of instructor.
9-12	10899	.5	Music Theory	Previous background in music study
9-12	10856	.5	Painting	Art 1
9-12	10893	.5	Photography	Art 1
9-12	10895	.5	Piano Lab	
12	10864, 10865	.5	Portfolio A, B	Permission of instructor/ Art 1
10-12	10855	.5	Printmaking	Art 1
9-12	10852	.5	Sculpture	Art 1

9-12	10710	.5	STEAM	Offered 2024-2025 TBD
9-12	10884	.5	String Ensemble (A, B)	Prior experience playing a string instrument
10-12	10860	.5	Studio Art	Art 1
11-12	10862	.5	Studio Art 2	Art 1
9-12	10857	.5	Online Influencer of the Arts	
9-12	10845	.5	Theater Studies: Performing and Beyond	
9-12	13846	.5	Unified Theater	CIP students

10874 Advanced Dance
This course will help students progress from an intermediate-level dance technique to an advanced level. Students will expand upon their previous dance knowledge, increasing their technique level by exploring movement in various styles. Students will expand their dance vocabulary and history in some of the following styles: Contemporary, Urban (Hip Hop), Jazz, Modern, Ballet, or Cultural Dance. They will further Develop their skills in composition, improvisation, and performance. To sign up for this class, students must complete beginning and intermediate dance or have permission from the dance teacher if they haven't taken beginning or intermediate dance at BFA.

10845 Acting for Everyone
Students will explore acting through practical exercises and activities. Using our bodies, voices, and imaginations, we will build confidence and presence on stage while strengthening concentration, vocal and speech techniques, and observation skills. We will explore various acting techniques and styles through monologue work, scene work, and improvisation activities. Students will gain insight into historical and current acting practices and have an opportunity to find their voice in this expressive art. Building empathy, curiosity, and self-awareness, this class is a good fit for anyone who likes to play, wants to learn to take risks, and wishes to grow as a human being.

10889Y (AP) Advanced Placement Studio Art
Students work all year on creating a portfolio to be submitted for the "AP test," a 20-piece portfolio submission during AP testing time. This portfolio is designated for work focusing on mark-making, line, space, light and shade, and composition. Students should consider marks that can be used to make drawings, the arrangement of marks, the materials and processes used to make marks, and the relationships between marks and ideas. Students can work with any materials, processes, and ideas. Drawing (analog and digital), painting, printmaking, and mixed media work are among the possibilities for submission. Still, images from videos or films are accepted. Composite images may be assignments.

10850, 10851 Art 1 and 2
Learn how to use a variety of artistic mediums and have a fuller appreciation for art. Through the elements of art, students will learn fundamentals and techniques with various art materials. Students can use several paints and drawing mediums, print, and create 3-dimensional artwork. This is a hands-on, project-based class, so all work will be done during class. Learning will be assessed through project completion and class participation.

10878 Band I
Become part of BFA's long tradition of instrumental music! Band I is a performance-based ensemble that will study musical performance, music theory, and music history. There will be a heavy focus on scales, rudiments, and introductory music theory in this class. Students will be given specific exercises and assignments to help them become better performers and understand more about how music is created. Attendance at all music department events is mandatory (concerts, parades, etc.) All Band I students are encouraged to take this class for two semesters to be considered for acceptance into Band II automatically. Prerequisite: Previous Band experience in school and the ability to read music. All guitar and electric bass players must read notated music (not Tablature) and contact the instructor before signing up for Band I.

10881 Band II
Band II continues to study all the aspects of music studied in Band I at a more advanced level. The ensemble will be performance-based, and most learning will occur in a rehearsal setting. Students will be expected to master technical exercises, memorize scales and rudiments, and continue to achieve mastery in intermediate music theory. Attendance at all music department events is mandatory (concerts, parades, etc.) All Band II students are encouraged to take this class for both semesters to complete the year's curriculum and performance opportunities.

10885 Band III
Band III is the most advanced band at BFA. This group comprises mostly upper-level students who have met the requirements for admittance to this ensemble. This group is specifically designed for the advanced instrumentalist at BFA. The class will perform and study many aspects of music, including music theory, history, and performance. Students will be expected to perform all scales and rudiments memorized at mastery. Attendance at all music department events is mandatory (concerts, parades, etc.) All Band III students are encouraged to take this two-semester class to complete the year's curriculum and performance opportunities.

10879 Band I/Chorus I
Stay involved in music at BFA! Band I/Chorus I is designed to allow students, primarily Freshmen, to participate in both vocal and instrumental music weekly. All requirements of each class must be met for students who wish to do both. A Band/Chorus student will split the time between the two performing ensembles equally.

10882 Band II/Chorus II
Keep playing AND singing! Band II/Chorus II is designed to allow students to participate in both vocal and instrumental music every week. The requirements of each class must be met for students who wish to do both. A Band/Chorus student will split time equally between the two performing ensembles.

10887 Beginning Guitar
Learn to be proficient on the guitar in one semester. This class starts from the beginning: from how to hold the instrument to methodically introducing note reading, chord reading, improvisation (soloing), fingerstyle guitar, and many other aspects of playing the guitar. Students will learn how to enjoy making music on the guitar both by themselves and with others. Guitar ensembles, duets, and bands of various sorts will be put together with the students in this class. Students who are proficient on the guitar but do not understand the chords or notes they are playing will be well served by this class. No prior musical experience is necessary. Limited to 15 students.

10877 Chorus I

Joined the chorus and joined a great team of musicians! Chorus I is an introduction to choral singing. It is designed for first-year choral students but often has upper-level students who also take the class. Special emphasis will be placed on developing individual sight reading, aural skills, and vocal technique. Students will be allowed to study and perform music of all styles and periods, from Renaissance to Contemporary, including sacred, folk, jazz, and popular music. Expanded opportunities to participate in music festivals, trips, small ensembles, and special performances. Attendance at all performances is mandatory. Chorus I and Chorus II perform together in concerts.

10880 Chorus II

Chorus II is where talented upper-level students collaborate! This class allows students to continue developing choral singing, individual sight-reading, aural skills, and vocal technique. Students will study and perform from an advanced repertoire of various styles, including sacred, folk, jazz, and popular from the Renaissance through the contemporary period. Chorus II students are encouraged to participate in music trips, small ensembles, and special performances. Attendance at all performances is mandatory. Chorus I and Chorus II perform together in concerts.

10854 Clay

Create your own ceramics! Students will learn the three hand-building techniques as well as a variety of glazing techniques and surface treatments. NO HOMEWORK: all work is created during class time. Learning will be assessed through project completion, emphasizing the process and class participation.

10890 Continuing Guitar

Take your guitar playing to the next level! This course continues the content learned in Beginning Guitar at BFA and for students with significant guitar knowledge. Learning outcomes will include: Advanced music literacy - being able to read music at a higher level on the guitar; ear training - continued work on aural music skills gained through guitar performance; continued work on advanced guitar skills including left and right-hand technique, advanced chord knowledge, improvisation, and composition/songwriting techniques.

10876 Dance

This course serves as an introduction to the fundamentals of dance and an exploration of different dances. Students learn dance vocabulary and technique in Ballet, Modern, and Jazz, develop skills in composition and improvisation, and explore dance history and culture. Students will be assessed through daily practice, demonstration, collaboration, and performance using fine arts proficiencies. Dance students may earn up to 1 credit of PE or Arts by participating in Dance. (.5 credit each semester)

10858 Drawing

Good drawing skills are the root of all art. Students will develop hand-eye coordination and refine the art elements through various drawing mediums. Learning will be assessed through project completion, the process, growth, and peer-to-peer feedback.

10871 Improvisation for Theater and Life

Improvisation is about being in the moment, listening, and responding authentically. This class is for anyone who enjoys playing and exploring expressively. Using theater activities and various techniques and tools, students will gain greater confidence as speakers, presenters, and storytellers. We will use improvisation to explore other theater genres, such as Theater for Social Change, Sketch Comedy, and Physical Theater. This work is naturally self-reflective. Learn about yourself while you play!

10892 Intermediate Dance
This course will help students progress from a beginning-level dance technique to an intermediate level. Students will expand upon their previous dance knowledge, increasing their technique level by exploring movement in various styles. Students will expand their dance vocabulary and history in some of the following styles: Contemporary, Urban (Hip Hop), Jazz, Modern, Ballet, or Cultural Dance. They will further develop their skills in composition, improvisation, and performance.

10883 Music Technology
Let's use that device to make music! This course will focus on the technical aspects of music production, including but not limited to digital recording, basic sample sequencing, and application of recording theory. Students will have access to the devices and the recording studio in the music department for both in-school and out-of-school projects.

10899 Music Theory
Get inside the mind of great composers! Learn how music is written and become proficient at composition. This course is set up primarily for students who would like to delve more deeply into the study of music. Music theory and ear training are integral parts of this course. A textbook and workbook are used in this course as well as recordings and other class materials. An ability to read music and, ideally, previous heavy involvement in school music ensembles will ensure a student's success in this class.

10856 Painting
Painting is a great way to express yourself with color! In this class, students will explore several painting mediums, including but not limited to acrylic, watercolor, and oil. Assessments through critiques, self-assessment, process journals, and project completion.

10893 Photography
Film is alive! This class will empower students with a lifelong skill set for creating compelling imagery with cameras. Students will learn how to photograph using SLR and pinhole film cameras. Additionally, through hands-on instruction, slide presentations, and videos, students develop film, create test strips, and declasses 8 x 10 photographs. Through connections made with master photographers such as Ansel Adams, students will learn composition rules and methods, then implement skills in their creations. Students will be assessed through completing photography projects, journal entries, self-reflection, and master photographer assignments.

10895 Piano Lab
Let's use technology to help learn the piano! This class gives a variety of methods for becoming proficient in music and the piano. After an extensive introduction to keyboard orientation, additional units follow, which contain graded reading materials and exercises necessary for pianistic development. Students progress at their own pace; however, minimum requirements are set. The use of Apple-based digital audio workstations assists in musical development.

10864 Portfolio
Students will work on portfolio development for college applications. Specific assignments will be geared toward college entry, and students will spend the semester working toward these requirements. Teacher/student critiques, journal entries, and final projects will be assessed and used to develop a portfolio meeting individual needs.

10855 Printmaking
Learn how to print! Printmaking is the process of making artwork with an element of originality rather than just a photographic reproduction of a painting. Students will learn various printing techniques, monoprint, image transfers, linoleum cuts, and collagraph with alternative printing methods. Learning will be assessed through project completion, process, creativity, growth, and peer-to-peer feedback.

10852 Sculpture
Explore the world of creating 3-dimensional art! Students will learn how to create sculptures exploring how 3-dimensional art relates to space and its surrounding environment. We will learn how to design with various tactile materials, including wire, plaster, paper, found objects, wood, foam, foam core, and more! Students will learn through hands-on demonstrations, videos, slide presentations, and one-on-one critiques with the instructor. All students will be assessed by completing multiple sculpture projects and written reflections.

10710 STEAM *(Science, Technology, Engineering, Arts, Math)*
This class is centered around flexible learning processes. You will be guided with support from faculty in all areas of STEAM as you focus on creativity and design thinking. While students produce a variety of projects incorporating many of the key areas of STEAM. You will have access to any lab in Design Technology or Arts for support while working on a variety of exciting projects that connect your learning paths, such as laser technology to produce art or extend an artistic creation, creating art with LED wearables, inspiration nation, and a variety of really cool projects. Your interests and creative problem-solving skills essentially drive these projects. You will be introduced to a variety of new tools & techniques in both Design Technology and art, all while creating meaningful projects that you have designed yourself. You can earn .5 Elective and 5 Art credits for class for this 1 semester course. (Offered alternating years)

10884 String Ensemble
String Ensemble is offered to students with previous experience with a traditional orchestral string instrument. Continued emphasis is given to developing musicianship skills and aural and technical facilities through a large repertoire of string orchestra literature and technical studies. Student involvement in concert and performance activities will be part of the grading process for this course. Participation in all concerts is required.

10860, 10862 Studio Art 1 and 2
Mixed Media classes are about creating art using more than one medium at a time. Watercolor, ink, paint, collage, 2-D, and 3-D artwork are part of the creative process in this class. Media variety and experimentation are encouraged. Students will be assessed on their process, ideas, project completion, teacher input, and self-assessments.

10857 Online Influencer of the Arts *(This course is in person, not online)*
This new course will help artistic students learn new 21st Century skills through various media platforms designed to showcase students' arts and talents. Practicing digital citizenship through artistic development is a winning combination to support Maple Run's core values and beliefs. Students will engage in various projects to learn about the various methods to create and promote their art form online through appropriate social media. The final project will allow students to produce art independently or collaboratively with their peers while being fully supported by the instructor.

10844 The Art of Communication

Nothing is more important to your personal and professional success than communicating effectively. Students will gain presentation skills in this class while developing greater fluency in relating and interpreting behavior. We will work on body awareness, vocal ability, concentration, listening skills, and perception. We will examine assumptions and how these lead to misunderstandings and misconceptions in personal and academic situations. Students will gain greater fluency as speakers, listeners, and collaborators. They will become more adept at reading situations and body language and better understand how to utilize this knowledge in various contexts.

10869 Theater Studies: Performing and Beyond

In this class, students will be introduced to the world of theater. We will look at various roles in production, such as directing, the art of playwriting, designing, and set construction. We will explore a wide variety of material to introduce genres of theater and performance styles and look at how theater is used socially and politically as a tool for personal growth. Students will explore and develop the skills needed to perform. This course is suitable for those with some experience with acting and creative writing or those with a robust curiosity for the nature of human interaction. Students will be able to participate in The Vermont Young Playwrights festival with Vermont Stage Company and take a trip to The Flynn to view a professional production.

13846 Unified Theatre *(This course is for CIP students.)*

This course aims to bring students with learning differences together in an engaging and vibrant theatre class. All students will gain experience as performers while strengthening their vocal, physical and imaginative abilities. Students will be exposed to theater terminology and practice through practical activities and exercises. All involved will benefit from the diverse, collaborative, and creative environment. The course will culminate in a final production of a children's play for younger students at the sending schools. In this way, all of those involved will have an opportunity to be leaders and ambassadors for the arts.

HEALTH & FOODS

We aim to provide students with skills and knowledge to lead and maintain a healthy, active lifestyle, understanding that personal wellness and lifelong learning enhance the quality of life.

Comprehensive Health Education .5 credit is required for graduation.

Health Proficiency-Based Graduation Requirements

1. **Core Concepts** - Comprehend health promotion and disease prevention concepts to enhance health.
2. **Analyze Influences** - Analyze the influence of family, peers, culture, media, technology, and other factors on health behaviors.
3. **Access Information** - Demonstrate the ability to access valid information and products and services to enhance health.
4. **Interpersonal Communication and Advocacy** - Demonstrate the ability to use interpersonal communication skills; to advocate for personal, family and community health to enhance health and avoid or reduce health risks.
5. **Decision-Making Goal Setting** - Demonstrate the ability to use decision-making skills to enhance health.
6. **Goal Setting** - Demonstrate the ability to use goal-setting skills to enhance health.
7. **Self-Management** - Demonstrate the ability to practice health-enhancing behaviors and avoid or reduce health risks.

Course Options
Comprehensive Health Education Food & Nutrition Taste of America Exploring International Cuisine

Grade	Number	Credit	Course	Prerequisite/Note
9-10	10825	.5	Comprehensive Health Education	Graduation requirement
9-12	10814	.5	Exploring International Cuisine	Food for Health 10809 or 10810
9-12	10801	.5	Food and Nutrition	
9-12	10802	.5	Taste of America	

10825 Comprehensive Health *(9/10th graders - Graduation Requirement)*
Comprehensive Health Education is a required course that is taken during the first year and sets the tone for a healthy future. It is designed to empower all students with the knowledge, understanding, and skills to make informed, health-enhancing decisions. Students will have the opportunity to practice skill proficiencies while developing an understanding of health information related to personal wellness, nutrition and fitness, emotional health, drug prevention, and sexuality education. Proficiencies: analyzing influences, accessing valid information and products, interpersonal communication and advocacy, decision-making and goal setting, and self-management.

10814 Exploring International Cuisine
This is an advanced foods class for students who wish to learn about food and its relationship to our multicultural world. We'll study the cultural, historical, social, and environmental influences that have shaped what we cook and eat worldwide. Students will also be able to continue developing their hands-on kitchen skills in this laboratory course by creating the native cuisine researched in class. Proficiencies: Nutrition and Wellness: Evaluate nutrition principles, food plans, preparation techniques, and specialized dietary plans.

10801 Food and Nutrition
In this course, students will learn the basics of Nutrition. We will investigate the essential nutrients that food provides us to create and maintain healthy eating habits. We will identify ways to increase the nutritional value of our favorite foods while applying portion size to allow us to eat the treats we love. Students will also learn about; food additives, issues and controversies, and how they have contributed to the purchase of food. Applying hands-on experience, we will create delicious nutritional dishes that support nutrition research. Students will develop safe cooking skills to create healthy eating habits that can be applied to individual and family wellness across their lifespan. Proficiencies: Food Safety: Apply risk management procedures to food safety, testing, and sanitation. Nutrition and Wellness: Evaluate nutrition principles, food plans, preparation techniques, and specialized dietary plans. Food Preparation: Demonstrate the use of current technology in food product development and marketing. (equipment, food preparation, cooking, cleaning, and storage)

10802 Taste of America
Here is a mouthwatering journey across the United States where students will discover and learn how to make fabulous food from every part of the country. Students will feed their brains with fascinating tidbits about food across America and their origins while creating delicious dishes representing local and multicultural influences of the different regions of America. Various food preparation techniques will blend with various exciting menu options. Proficiencies: Food Safety: Apply risk management procedures to food safety, testing, and sanitation. Nutrition and Wellness: Evaluate nutrition principles, food plans, preparation techniques, and specialized dietary plans. Food Preparation: Demonstrate the use of current technology in food product development and marketing.(equipment, food preparation, cooking, cleaning, and storage) Analyze psychological, cultural, and social influences that impact nutrition and wellness practices. Food Safety: Apply risk management procedures to food safety, food testing, and sanitation Food Preparation: Demonstrate current technology in food product development and marketing. (equipment, food preparation, cooking, cleaning, and storage)

PHYSICAL EDUCATION

We aim to provide students with the skills and knowledge to lead and maintain a healthy, active lifestyle.

(1.5) PE credits are required for graduation.

Physical Education Proficiency-Based Graduation Requirements

1. **Motor Skills & Movement Patterns** - Uses self/peer/teacher feedback to implement focused participation.
2. **Movement Concepts** - Applies strategies and tactics related to movement concepts to enhance skill performance.
3. **Physical Fitness** - Uses personal fitness goals, focused participation, stress management tools, and technology to improve/maintain a healthy and active lifestyle.
4. **Social Interactions** - Demonstrates positive teamwork, respect, and communication towards self/peer(s)/teacher(s).

Course Offerings
We recommend that students complete at least two of the three PE semesters during the 9th and 10th-grade year.

Grade	Number	Credit	Course	Prerequisite/Notes
9-12	10874	.5	Advanced Dance	Intermediate Dance
9-12	10876	.5	Dance	None
9-12	10892	.5	Intermediate Dance	Dance
9-12	10901	.5	Physical Education	None

10874 Advanced Dance

This source will help students progress from an intermediate-level dance technique to an advanced level. Students will expand upon their previous dance knowledge, increasing their technique level by exploring movement in various styles. Students will expand their dance vocabulary and history in some of the following styles: Contemporary, Urban (Hip Hop), Jazz, Modern, Ballet, or Cultural Dance. They will further Develop their skills in composition, improvisation, and performance. To sign up for this class, students must complete beginning and intermediate dance or have permission from the dance teacher if they haven't taken beginning or intermediate dance at BFA.

10876 Dance

This course serves as an introduction to the fundamentals of dance and an exploration of different dances. Students learn dance vocabulary and technique in Ballet, Modern, and Jazz, develop skills in composition and improvisation and explore dance history and culture. Students will be assessed through daily practice, demonstration, collaboration, and performance using fine arts proficiencies. Dance students may earn up to 1 credit of PE or Arts by participating in Dance. (.5 credit each semester.)

10892 Intermediate Dance

This course will help students progress from a beginning-level dance technique to an intermediate level. Students will expand upon their previous dance knowledge, increasing their technique level by exploring movement in various styles. Students will expand their dance vocabulary and history in some of the following styles: Contemporary, Urban (Hip Hop), Jazz, Modern, Ballet, or Cultural Dance. They will further develop their skills in composition, improvisation, and performance. To sign up for this class, students must complete beginning dance 1 or have permission from dance 1 or the dance teacher if they haven't taken beginning dance 1 at BFA.

10901 Physical Education

PE is offered in both semesters for students to meet their graduation requirements. It has many activities to choose from, including team sports, personal fitness, geocaching, broomball, and archery. Activities are organized to promote either motor skill development used in increasingly complex games or knowledge of movement concepts and principles used to analyze and improve physical fitness and participation. Respect that allows both competitive and non-competitive students to compete/participate in the game/activity together cooperatively is assessed throughout.

WORLD LANGUAGES AND CLASSICS

Learning another language brings wider global perspectives and enhances cultural perceptions and understanding. The World Languages and Classics Department offers Spanish, French, and Latin courses, semester electives based on the cultural traditions of Spain, the Greeks, and Romans, and a survey of classical myths and heroes. Studying a foreign language provides expanded professional opportunities in our global world. Students learn to communicate in real-world situations such as shopping, eating, traveling, and meeting new people. In addition to the teacher and textbook, students engage in the language through games, apps, videos, pictures, projects, advertisements, stories, skits, and songs! Learners will be assessed on their ability to interpret meaning through listening and reading, to communicate by speaking and writing, and to demonstrate cultural understanding through learning about the products, perspectives, and practices of the various peoples who speak the languages.

To further enhance the 'global' perspective for students, the World Languages Department faculty actively provides opportunities for students to participate in international travel abroad as part of their language enrichment and high school experience. Destinations rotate by language each year. Start planning now!

All BFA students are encouraged to study one or more of the languages we offer for two to four years. To earn credit in a World Language course, the final Course Proficiency Average (CPA) of the five World Language standards must be 2.5 or higher. To advance to the next level of study, a student's final (CPA) must meet Proficiency (3.0).

World Language proficiency-based graduation requirements:

1. **Speaking** - Learners communicate through spoken language to share information, reactions, feelings, and opinions. Learners orally present information, concepts, and ideas to inform, explain, persuade, and narrate various topics.
2. **Writing** - Learners communicate through written language to share information, reactions, feelings, and opinions. Learners convey writing information, concepts, and ideas to inform, explain, persuade, and narrate various topics.
3. **Reading** - Learners understand, interpret, and analyze what is read or viewed on various topics.
4. **Listening** - Learners understand, interpret, and analyze what is heard on various topics.
5. **Culture** - Students demonstrate an understanding of customs, beliefs, cultural differences, and traditions worldwide.

9th Grade Options	10th, 11th, 12th Grade Options
French I, II Spanish I, II Latin I Greek & Roman Civilization Fiestas, Siestas, and "Mas": A Culture Exploration Gods, Heroes & Monsters: A Myth Experience	French I, II, III, IV, V Spanish I, II, III, IV, V Latin I, II, III, IV Greek & Roman Civilization Fiestas, Siestas, and "Mas": A Cultural Exploration Gods, Heroes & Monsters: A Myth Experience

Grade	Number	Credit	Course	Prerequisite/Note
9-12	10502	.5	Fiestas, Siestas, and 'MAS': A Culture Exploration	
9-12	10512Y	1	French I	
9-12	10532Y	1	French II	3.0+ CPA in French I
10-12	10546Y	1	French III	3.0+ CPA in French II and Teacher Recommendation
11-12	10550Y	1	French IV	3.0+ CPA in French III and Teacher Recommendation
12	10552Y	1	French V	3.0+ CPA in French IV and Teacher Recommendation
9-12	10503	.5	Gods, Heroes & Monsters: A Myth Experience	
9-12	10501	.5	Greek & Roman Civilization	
9-12	10518Y	1	Latin I	
10-12	10528Y	1	Latin II	3.0+ CPA in Latin I
11	10538Y	1	Latin III	3.0+ CPA in Latin II and Teacher Recommendation
12	10540Y	1	Latin IV	3.0+ CPA in Latin III and Teacher Recommendation
9-12	10504Y	1	Spanish I	
10-12	10524Y	1	Spanish II	3.0+ CPA in Spanish I
11-12	10536Y	1	Spanish III	3.0+ CPA in Spanish II and Teacher Recommendation
12	10548Y	1	Spanish IV	3.0+ CPA in Spanish III and Teacher Recommendation
12	10554Y	1	Spanish V	3.0+ CPA in Spanish IV and Teacher Recommendation

10502S Fiestas, Siestas, and 'Mas": A Cultural Exploration
This class will introduce and expose students to the rich cultural traditions of the Spanish-speaking world, beginning with Spain. Possible topics include Spanish food, sports, music, dance, festivals and holidays, art and architecture, and film. Various activities will range from online reading and research to videos, hands-on projects, food-tasting, and small group discussions. *NOTE: This is not a language class and does not fulfill post-secondary language requirements. However, it will count toward elective credit.*

10512Y French I
Students will learn to communicate in French on real-world topics such as: telling the time and date, describing themselves and others, daily life at home and school, likes, dislikes, and relationships with family and friends.

10532Y French II
Students will learn to communicate in French on real-world topics such as: ordering food at a café or restaurant, shopping for clothing, and describing the weather, parties, celebrations, sports, and seasonal activities.

10546Y French III
Students will learn to communicate in French on real-world topics such as travel, transportation, accommodations, household topics, food shopping, and fine dining.

10550Y French IV
Students will learn to communicate in French on real-world topics such as body parts, healthcare, technology, cars, driving, giving and asking for directions, running errands, and specialty shopping.

10552Y French V
Students will learn to communicate in French on real-world topics such as workplace exchanges, professions, environmental concerns, nature, performance arts, literary arts, and film.

10501S Greek and Roman Civilization
Learn about the ancient classical world. Take a different kind of trip back in time and look at the Greco-Roman world spanning the ancient Greek empire of the Late Bronze Age through to the reign of the Roman Emperor Constantine. Topics covered may include the following: geography, history, mythology, archaeology, literature, politics and war, art, architecture, the role of women, democracy, republic, slavery, and philosophy from the perspective of both cultures. Students will learn how these ancient cultures have influenced history and the western world through readings, videos, projects, online explorations, and more. *NOTE: This is not a language class and does not fulfill post-secondary language requirements. However, it will count toward elective credit.*

10503S Gods, Heroes & Monsters: A Myth Experience
Discover the pantheon of Greek and Roman Olympian Gods and Goddesses and how they ruled over the human world. Accompany some ancient heroes on their adventures as they encounter the gods and fantastical monsters included in their daredevil exploits! You will learn about and explore the important life lessons these Greek and Roman hero myths relate to through various readings, art, and project-based assignments. And, if time permits, you will explore other cultures' myths about gods, heroes, and monsters to compare (or contrast). What are the important life lessons at the heart of all these hero stories? Why do we return to reinterpret them to fit our modern experiences, as Homer, Shakespeare, Hollywood, Broadway, Riordan, and Rowling have done? You will also create your hero myth—will it reflect others' interpretations? Will it be something NEW and different? *NOTE: This is not a language class and does not fulfill any postsecondary language requirements. However, it will count toward elective credit.*

10518Y Latin I
Using the 'Restored Classical Pronunciation,' students begin speaking (recitation mainly), reading, writing, and listening to basic Latin using simple grammar constructs, which continue to build as fluency does. Students will learn about the daily life of an ancient Roman (Pompeian) family, the theater, slavery, mythology, art, gladiators, mythology, and maybe some ancient Greek.

10528Y Latin II
Continue the Latin journey. Discover and explore at a more intermediate level while continuing to address all the language standards, the intricacies of Latin, and the pursuits and interests of the Romans in such areas as education, the eruption of Mount Vesuvius, politics and elections, life in the province of Britannia, and Alexandria, Egypt.

10538Y Latin III
The journey accelerates to a trickier territory as Latin sentences' intricacies and grammar constructs build and intensify. Speaking and listening activities contribute to enhanced reading and writing experiences in preparation for the challenge to begin reading primary source authors of the ancient world.

10540Y Latin IV
Bring the journey to its conclusion. Experience the original authors as teens in the ancient Roman world would have! Now that reading, writing, speaking, and listening skills have helped develop a well-trained eye, students can read selections from ancient authors such as Caesar, Cicero, Vergil, Horace, Ovid, Catullus, and others. Through this reading, students will observe and interpret the ancients' perspectives on love, life, death, and war and draw connections to their modern worldview.

10556Y Latin AP
This course will be available only for students with a strong command of Latin after a minimum of three years. Independent Study option available for qualified students—teacher permission, approval, and recommendation required.

10504Y Spanish I
Students will learn to communicate in Spanish on real-world topics such as: making introductions, describing the weather, interacting with friends, expressing likes and dislikes, describing school life, and discussing food and healthy habits. Students will also explore the following cultural topics: the geography of the Spanish-speaking world, differences in climate, schools in the Spanish-speaking world, pastimes, and traditional foods and eating habits.

10524Y Spanish II
Students will learn to communicate in Spanish on real-world topics such as pastimes, accepting and declining invitations for events, ordering food at a restaurant, the family and home, celebrations, and shopping. Students will also explore the following cultural topics: extracurricular activities and sports, traditional celebrations, the concept of family, house designs, and traditional clothing.

10536Y Spanish III
Students will learn to communicate in Spanish on real-world topics such as shopping, travel and vacations, community service, movies, TV, and technology. Students will also study advanced grammar topics, such as the preterit past tense and object pronouns. Students in Spanish III will explore the following cultural topics: shopping habits and markets, sites and cities of the Spanish-speaking world, volunteer activities, classic movies and TV shows, and communicating through gestures.

10548Y Spanish IV
Students will learn to communicate in Spanish on real-world topics such as outdoor activities, competitions, athletic events, art, drama, music, nutrition and exercise habits, social relationships, and work in the community. Students will also study advanced grammar topics, such as the present, past, and future tenses and the subjunctive mood. Students in Spanish IV will explore the following cultural topics: The Way of Saint James, arts and artists of the Spanish-speaking world, ancient sports of Mexico and Central America, and Hispanic American contributions to U.S society.

10554Y Spanish V
Students will communicate at an advanced level on real-world topics such as work and the community, technology and future societal changes, myths and legends, the history of Spain and Latin America, and environmental issues. Students will also study advanced grammar topics such as the past, future, conditional tenses, and the subjunctive mood. In addition, students in Spanish V will examine current events in the target language, complete in-depth research on cultural topics, and read short novels and poems by Hispanic authors. This is a year-long class. Credit will be awarded by demonstrating proficiency in the five World Language content Standards.

Flexible Pathways

Flexible Pathways are expanded learning opportunities, including academic and experiential components, which help students build independence, professional confidence, and postsecondary readiness. BFA's flexible pathways offerings allow students to personalize their learning experience, pursue their passions and connect their academic work to the worlds of college and career.

Flexible Pathways Standards:

1. Clear and compelling speaking and listening
2. Attendance, punctuality, goal setting, independence
3. Frames questions, identify & evaluates problems and solutions, persevere
4. Leadership, respect for diversity, and differing points of view
5. Prioritizes, manages time, creates, and uses efficient systems
6. Content knowledge

BFA's Flexible Pathway offerings fall under the following course categories:

17666 Work-Based Learning

Courses are structured as an off-campus internship where students regularly engage with a community-based mentor. The flexible pathways coordinator is the teacher of record for these courses and is responsible for verifying attendance, helping students meet learning goals, and assessing their evidence of learning.

17000IL Independent Learning

Courses are structured as student-driven learning experiences on campus and outside school. They often involve intermittent community engagement. These courses require the supervision of the flexible pathways coordinator, the teacher of record is responsible for verifying attendance, helping students meet learning goals, and assessing their evidence of learning.

17000IP BFA Internship

Courses are structured as on-campus internships where students regularly engage with a BFA faculty or staff member as a mentor. The faculty/staff mentor is responsible for verifying attendance. The flexible pathways coordinator is the teacher of record accountable for helping students meet learning goals and assessing their evidence of learning.

EXTRA-CURRICULAR ACTIVITIES

All students attending Bellows Free Academy can participate in co-curricular activities. These activities help the students to develop new skills and to meet new people. There is SOMETHING for EVERYONE!

CLUBS	SPORTS	MUSIC & DRAMATICS
A World of Difference After School Program Club Interact DECA GSA- Gender and Sexuality Alliance Hope Happen Here International Club Math League Scholar Bowl Ski and Snowboarding Club Skills USA Social Justice Club Student Voice Unified Club Upward Bound Win-Win Mentoring Program Robotics	Alpine Skiing Athletic Council Baseball Basketball Cheerleading Cross-Country Running Dance Team Football Golf Ice Hockey Lacrosse Nordic Skiing Snowboarding Soccer Softball Tennis Track and Field Volleyball	All New England Music Festival All-State Music Festival Chamber Singers Concert Band District Jazz Festival District Music Festival Jazz Band Junior Jamboree Marching Band Mixed Chorus Musical Production One Act Festival Play Pit Band Regional Drama Production Student Directed Plays Young Playwright Festival
HONOR SOCIETIES	**PUBLICATIONS**	**CLASS & SCHOOL OFFICERS**
International Thespian Society National Honor Society National Art Honor Society National Technical Honor Society	Mercury (School Paper) Yearbook	Student Council Senior Class Junior Class Sophomore Class Freshman Class

Northwest Career & Technical Center

71 South Main Street, St. Albans, VT 05478
Phone: (802) 527-0614 Fax: (802) 527-6469
www.maplerun.org

PROGRAM OF STUDIES
2023 – 2024

Non-Discrimination Statement

Northwest Career & Technical Center (NCTC) does not discriminate on the basis of race, color, national origin, sex, disability, sexual orientation, gender identity, marital status, or age in its programs or activities. The following person has been designated to handle inquiries regarding the nondiscrimination policies:
Citizens desiring information relating to Title VI, Section 504, and/or Title IX, or who wish to file a complaint may do so by contacting Jennifer Champagne Title IX Coordinator at 802-527-1056.

Leeann Wright, Director | 71 South Main Street, St. Albans, VT 05478 | (802) 527-0614 | lwright@maplerun.org

Admission Procedures and Requirements

1. The student will be introduced to NCTC programs through a presentation done by, or an individual meeting with, the high school counselor, case manager, or NCTC representative.
2. The student will have the opportunity to tour or shadow the NCTC after viewing the NCTC presentation, or at any time.
3. The NCTC Program of Studies will be available on the NCTC website: maplerun.org/o/NCTC. Paper copies will be available, by request, in the NCTC office or sending school Program of Studies.
4. Program admittance is based upon a completed application that reflects the student's success in the following three areas:

   A*ttendance*

   A*ttitude and behavior*

   A*dvancement toward proficiency*

5. A completed and signed application must be submitted to the NCTC office or designated area by a preferred deadline of January 15th. Applications submitted after that date will be processed and placement will be made on a space available basis.
6. The Northwest Career & Technical Center Admissions Committee will review all applications.

Some students may be eligible to enter the second year of a program without completing the first. In these cases, the student will be asked to submit proof of competency in the field in question to the NCTC School Counseling Coordinator and/or the program instructor. Students may be granted admission based on the demonstrated proficiency of their work.

Students and their home school counselors will be notified as soon as possible regarding each student's official admission to NCTC. Students who do not meet admission requirements will be sent a letter outlining available options. All accepted students will be placed on a probationary status for ten NCTC school days, beginning with the first day of attendance. This phase will be used for curriculum-based assessment and to determine the appropriateness of placement. Students will automatically be granted full standing after the probationary period, unless notified of continued probationary status or withdrawal.

With the exception of the Outdoor Technology program, priority placement will be given to juniors first, sophomores second, and seniors third. If the number of qualified applicants exceeds the number of students who can be placed, qualified students who applied by the preferred deadline will be randomly selected. Those who are not selected will be placed on a waiting list and randomly drawn as positions open prior to the start of the academic school year.

Ninth through twelfth grade students may enroll in the single block specialty courses. An application is not required.

We encourage all interested students to apply to NCTC. For enrollment protocol and information about supports that NCTC can offer, please contact the Special Needs Coordinator.

NCTC conducts a blind initial application process for all students. When a student on a plan is accepted for admission, enrollment is then dependent upon a successful meeting with the student's support team that generally includes the sending school special educator, NCTC Special Needs Coordinator, program instructor, parent/guardian, student and others (as deemed necessary by the special educator and the NCTC Special Needs Coordinator). A successful meeting is one where it is determined that a students' needs can be accommodated. Needs for specialized instruction, accommodations, modifications, other supplementary services, paraprofessional support and behavior plans will be reviewed at the team meeting. If a student, parent/guardian or sending school prefers, this meeting may be held before a student applies to NCTC to discuss the range of programs and services NCTC can provide.

If you have questions about these procedures, please feel free to contact either:

Susan Bosland	School Counseling Coordinator	802-527-6512	sbosland@maplerun.org
Jennifer Champagne	Special Needs Coordinator	802-752-1056	jchampagne@maplerun.org

AUTOMOTIVE TECHNOLOGY

Automotive Technology is designed to provide training and experience in the principles of automotive diagnosis and repair. Areas of study include automatic transmission/transaxle, manual drive train and axles, steering and suspension, brakes, electrical systems and electronics, heating and air conditioning, and engine performance. Advanced students use cutting edge technology and equipment to diagnose problems with starting and charging systems, ignition and fuel systems, and computerized engine control systems. This program combines in-depth theory with extensive hands-on training in our well-equipped National Automotive Technicians Education Foundation Certified auto lab. Students will learn basic and advanced technical skills and essential worker traits to secure and retain employment in automotive and other related fields.

The Automotive Technology program has articulation agreements with Central Maine Community College, Lake Region State College, Ohio Technical College, Universal Technical Institute and University of Northeastern Ohio.

Automotive Technology I – 70111Y (2 Credit Course)

This class is an option for students in grades 10 through 12. Admittance is based upon a completed application that reflects the student's success in the following three areas:

- **A**ttendance
- **A**ttitude and behavior
- **A**dvancement toward grade-appropriate proficiency in English.

Automotive Technology II & III* – 70112Y (3 Credit Course)

This class is an option for all students who have participated in and met Automotive Technology I proficiencies.

*****Students will be enrolled with instructor permission in Work Based Learning.

Over the course of the two-year program students may earn:

Embedded Credit	Credential	Dual Enrollment	CTSO
Science (.5 credit per year) (1 credit maximum)	Air Conditioning Certification Equipment & Engine Training Council Technician Certificate Program Lift it Right Program NATEF Automotive Service Excellence National Career Readiness Certificate Safety, Pollution & Prevention Training Snap-on Electrical Multimeter Certification Snap-on Scan Tool State Inspection License Valvoline Vehicle Maintenance Certification Vermont General Service Technician	**Central Maine Community College** Electrical (2 credits) Engine Performance (2 credits) Brakes I (3 credits) Suspension and Alignment (3 credits) Dual Enrollment Vouchers Available	SkillsUSA

Specialty Module: (One Period Elective) (.5 Credit Course)	**Power Sports– 70101** A hands-on introduction to the maintenance and repair of four-stroke engines and a variety of power sports equipment. Students will develop the skills and confidence necessary for entry-level employment in dealerships and independent repair facilities and participate in the Harley Davidson Motorcycle Maintenance Program.

Instructor:

TBA
Tel: (802) 527-6461
Email: @maplerun.org

Colin Capsey, Lab Supervisor
Tel: (802) 527-6518
Email: ccapsey@maplerun.org

BUILDING TRADES

Does working with your hands interest you? Have you worked in or been curious about working in construction? What about designing and managing the built environment? Building Trades is for the student who has an interest in any of the above. There is some exposure to various construction trades, with an opportunity to focus in carpentry and electrical. The in-depth training you receive can include using hand and power tools, reading construction prints, estimating material, framing, roofing, sheetrock, flooring, finishing work, as well as residential and commercial electrical work.

Geometry 327 (Geometry in Construction) – 10327Y

(2 Credit Course plus 1 Geometry Credit)

Geometry 327 is an alternative approach to learning Geometry that is available as an option for students taking Geometry next year at Bellows Free Academy. This class is an option for students in grades 10, 11 and 12. This team taught (Geometry / Building Trades) course will integrate Bellows Free Academy's Geometry curriculum with Northwest Career & Technical Center's Building Trades curriculum. The course will provide a direct application of Geometry concepts in the construction field. It is our goal to have students make connections between both curriculums. The course is recommended for students interested in engineering, architecture, construction management, interior design, landscape architecture, and the many trades of construction. Potential students do not need any previous construction experience. Students will be exposed to practical skills in building and carpentry trades by constructing a wooden structure. Possible projects include framing walls, sheds, and other smaller scale structures. Students will have exposure to the electrical trade and learn basic residential wiring. Math concepts include use of coordinate geometry in the study of area, perimeter, volume, transformations, congruence, Pythagorean theorem, similar figures, trigonometry, quadrilateral properties, circle properties, logic, and functions. Geometry 327 is offered to those who successfully completed Algebra I. Students will earn an additional transcripted credit in Geometry.

Building Trades I – 70161Y (2 Credit Course)

Building Trades I is recommended for students interested in engineering, architecture, construction management, interior design, landscape architecture, and the many trades of construction. Potential students do not need any previous construction experience. Building Trades I teaches students the core concepts in any construction trade including safety, construction math, hand and power tools, construction prints, communication skills, and job-readiness skills. Students will also learn practical skills in building and carpentry trades by constructing a wooden structure. Possible projects include framing walls, sheds, and other smaller scale structures. Students will have exposure to the electrical trades and learn basic residential wiring.

Geometry 327 and Building Trades I is an option for students in in grades 10, 11 and 12. Admittance is based upon a completed application that reflects the student's success in the following three areas:

- **A**ttendance
- **A**ttitude and behavior
- **A**dvancement toward grade-appropriate proficiency in entry level Algebra I or Outdoor Technology Integrated Math.

Building Trades II & III – 70162Y (2 Credit Course)

This class is an option for all students who have participated in and met Building Trades I or Geometry 327 proficiencies. Students in Building Trades spend time off campus at actual job sites working with experts in their field.

Electrical Trades I

This class is an option for all students who have participated in and met Building Trades I or Geometry 327 proficiencies. Students in Electrical Trades I will have exposure to the many career opportunities in the electrical trade and work on electrical projects in the community. Topics include electrical safety, residential wiring, wiring methods and materials, Electrical construction documents, conductors and cables, electrical theory, the National Electrical Code, conduit bending, controls, test equipment. At the end of the year, students have the opportunity to take the Vermont State Apprenticeship Level I exam and complete their first year of the state electrical apprenticeship program.

Over the course of the two-year program students may earn:

Credit	Credential	Dual Enrollment	CTSO
Building Trades I (.5 embedded math credit) Building Trades II (.5 embedded math credit) (not to exceed 1 credit) Geometry 327 (1 transcripted Geometry credit)	Associated General Contractors Certification Aerial Training Lift Certification CPR/AED, First Aid National Career Readiness Certificate National Center for Construction Education and Research Certification OSHA 10 hour Safety Course Vermont State Electrical Apprenticeship Level I	Dual Enrollment Vouchers Available	SkillsUSA

Period Specialty Modules: (One Elective) (.5 Credit Course)	**Construction Trades Foundations – 70151** Students will be exposed to power tools and safety practices related to construction and will be able to identify the various employment opportunities in the construction field.
	Construction Trades Enrichment – 70152 Open to all students enrolled in Building Trades I, II, and III, this course will provide students with more hands on and on-site experience.

Instructors:

Ross Lavoie – Carpentry
Tel: (802) 527-6502
Email: rlavoie@maplerun.org

Luke Cioffi, BFA/NCTC Math Instructor
Tel: (802) 527-6551
Email: lcioffi@maplerun.org

Danielle Bombardier – Electrical
Tel: (802) 527-6952
Email: dbombardier@maplerun.org

Stephen Allard
Tel: (802) 527-2265
Email: stallard@maplerun.org

COSMETOLOGY

Welcome to the world of Cosmetology! At NCTC School of Cosmetology students will learn the basic manipulative skills, infection control, proper work habits, and desirable attitudes necessary to pass the state board examination and for competency in job entry-level position in cosmetology or related career fields.

To ensure continued career success, the graduate will need to continue to learn new and current information related to techniques, trends, fashions, and methods for career development in cosmetology and related fields.

Completion of NCTC School of Cosmetology provides students with the required training and 1,000 hours to take the Vermont state board exam.

Path to licensure varies upon enrollment date.

The opportunities are endless in this ever-changing career!

Cosmetology I – 70211Y (2 Credit Course)

This class is an option for students in grades 10, 11 and 12. Admittance is based upon a completed application that reflects the student's success in the following three areas:

- **A**ttendance
- **A**ttitude and behavior
- **A**dvancement toward grade-appropriate proficiency in English.

Cosmetology II – 70212Y (2 Credit Course)

This class is an option for all students who have participated in and met Cosmetology I proficiencies.

Cosmetology III – 70213Y (3 Credit Course)

This class is an option for all students who have participated in and met Cosmetology II proficiencies and still require more hours for licensure. This class focuses on preparation for the state board exam and working with clients in the salon clinic.

Over the course of the two-year program students may earn:

Embedded Credit	Credential	Dual Enrollment	CTSO
Science (.5 credit per year) (1 credit maximum)	Barbicide National Career Readiness Certificate Vermont Cosmetology Licensure	Dual Enrollment Vouchers Available	SkillsUSA

Instructor:

Ashley Duncan-Aubin
Tel: (802) 527-6408
Email: aduncan@maplerun.org

Betty Popple, Lab Supervisor
Tel: (802) 6408
Email: bpopple@maplerun.org

CULINARY ARTS

The Culinary Arts program at the Northwest Career & Technical Center works in all areas of foodservice and restaurant management. Students gain knowledge and workplace readiness skills for general studies of industry practices with multiple opportunities through their experience and time here. Student skills are fostered and honed for work place readiness and/or post-secondary transition.

Culinary Arts I – 70261Y (2 Credit Course)

This course is open to all 10th, 11th and 12th grade students interested in a career in culinary arts or a related hospitality field. In addition to focusing on culinary fundamentals, students will receive instruction in personal and professional development.

Admittance is based upon a completed application that reflects the student's success in the following three areas:

- **A**ttendance
- **A**ttitude and behavior
- **A**dvancement toward grade-appropriate proficiency in English.

Culinary Arts II & III – 70262Y (2 Credit Course)

This course offers continued exposure and hands-on learning in multiple areas of the food service industry including a la carte cooking, career and college planning, supervision and management and event planning. In addition, students will receive continued guidance in personal and professional development in preparation for post-secondary training in culinary arts, baking and pastry, restaurant management, or for entry level positions in the food service industry.

This class is an option for all students who have participated in and met Culinary Arts I proficiencies.

Over the course of the two-year program students may earn:

Embedded Credit	Credential	Dual Enrollment	CTSO
Science (.5 credit per year) (1 credit maximum)	ServSafe Manager Certification National Career Readiness Certificate	ServSafe (3 credits Transfer to Post-Secondary) Dual Enrollment Vouchers Available	SkillsUSA

Specialty Modules: (One Period Electives): (.5 Credit Course)	**Baker's Apprentice: Introduction to Bakeshop – 70251** Some say baking is a science. However, if you have a strong grasp of basic cooking principles and understanding of taste and flavor, pastry can be just as intuitive as cooking. Knowing the relationship between basic ingredients (flour, butter, sugar, yeast, etc.) can give insight to the final outcome. Students coming into this program will be exposed to various techniques and products associated with the pastry kitchen. Students will cover paste, dough, lamination, cakes, and many other confections.

Instructor:
Adam Monette
Tel: (802)527-6508
Email: amonette@maplerun.org

Specialty Modules: (One Period Electives): (.5 Credit Course)	**The Kitchen Garden – 70253** Once a phrase that brought images of a small herb-based plot to mind, the contemporary kitchen garden has become more substantial and sustainable. The number of food service professionals "growing their own" is on the rise and many operations employ full time gardeners to tend their gardens and orchards. Savvy operators are developing relationships with local farmers in an increasing effort to control the quality of their product and support their communities. In addition, chef-gardeners gain a deeper appreciation and respect for the food that they grow. This newfound respect for basic produce becomes evident in the marketing of these products on menus and in the quality of the finished plates. Whether you are trying to cut your produce bill, provide specialty garnishes, or "get away from it all" for an hour a day, creating a kitchen garden will inspire you to become a better chef.

Instructor:

Adam Monette
Tel: (802)527-6508
Email: amonette@maplerun.org

and/or

Jacob Holzberg-Pill
Tel: (802) 752-1055
Email: jholzbergpill@maplerun.org

DIGITAL MEDIA

Digital Media: Production (A-Year)
Course Description and Rationale

Digital Media Production offers a wide spectrum of opportunities for students to explore current technologies in digital videography, photography, motion graphics, photo manipulation, and audio/music production. Participating in hands-on, project-based work, students develop pre-production, storyboarding, camera operation, sound recording, lighting, directing, on-camera presence, and other production skills. In addition, students will explore soundtrack creation and graphic design. Adobe CC, Logic Pro, and Native Instruments Komplete are a few of the many applications that will be used in this course. Students will also be encouraged to participate in work-based learning opportunities.

Digital Media: Production (B-Year)
Course Description and Rationale

Digital Media focuses on a broad mix of video production, post-production (editing), graphic design, animation (both 2D & 3D), electronic music, video for social media, and other trending media formats. Students will explore communication tools used within the exponentially expanding realm of digital media. An emphasis will be placed on students developing creative, innovative technological skills while working on a variety of digital media projects. Through hands-on, project-based work, students will use various equipment and software for digital video/audio production, graphic design, basic gaming concept design, and virtual reality painting/sculpting. Adobe Cc (Premiere Pro, Photoshop, Illustrator, InDesign), Blender, Arturia V Collection, Native Instruments Komplete, Ableton Live, and various programming IDEs are a few of the applications that will be utilized in this course. Students will also be encouraged to participate in work-based learning opportunities.

Digital Media A/B – 70560Y (2 Credit Course)

This class is an option for students in grades 10, 11 and 12. Admittance is based upon a completed application that reflects the student's success in the following three areas:

- **A**ttendance
- **A**ttitude and behavior
- **A**dvancement toward grade-appropriate proficiency in English.

The focus will be on Digital MultiMedia in the 2023 – 2024 school year.
The focus will be on Digital Media Production in the 2024 – 2025 school year.

Over the course of the two-year program students will earn:

Over the course of the two-year program students may earn:

Embedded Credit	Credential	Dual Enrollment	CTSO
Art (.5 credit per year) (1 credit maximum if completing the 2 year Digital Media Program)	Adobe Certified Associate in Premiere Pro Adobe Certified Associate in Photoshop) Adobe Certified Associate in Illustrator	**Community College of VT** Digital Filmmaking (3 credits) Intro to Adobe Creative Cloud (3 credits) Dual Enrollment Vouchers Available	SkillsUSA

Specialty Modules: (One Period Electives) (.5 Credit Course)	**Digital Video Basics – 70551** Learn how to create short digital video.
	Digital Photography – 70553 Learn digital photography and create unique images using Adobe Photoshop.

Instructor:

Steven Davis
Tel: (802) 527-6470
Email: sdavis@maplerun.org

ENGINEERING TECHNOLOGIES

Engineering Technologies is a college-prep program for students interested in pursuing a career in one of many high paying engineering fields. Engineering Technologies students also have many other STEM (Science, Technology, Engineering and Mathematics) related opportunities while enrolled including regional engineering competitions State/National Competitions like SkillsUSA, where recent Engineering Technologies students have earned twelve first place State and several top ten National awards in Computer Maintenance and Mathematics. Engineering careers are among the fastest growing and some of the highest paying careers in the job market today. This program creates pathways to help student pursue careers in technology, engineering, computer hardware, software and networking, architecture, robotics or other STEM (Science, Technology, Engineering and Mathematics) related fields.

This two-year program rotates between electrical and mechanical engineering with each facet covered over the course of a year.

Engineering Technologies A/B – 70410Y (2 Credit Course)

This class is an option for students in grades 10, 11 and 12. Admittance is based upon a completed application that reflects the student's success in the following three areas:

- **A**ttendance
- **A**ttitude and behavior
- **A**dvancement toward grade appropriate proficiency in Algebra I and concurrently enrolled in Geometry.

The focus will be on Mechanical Engineering in the 2023 – 2024 school year.

Over the course of the two-year program students may earn:

Embedded Credit	Credential	Dual Enrollment	CTSO
Science (.5 credit per year) (1 credit maximum)	Student Electronics Technician Certification OSHA Career Safe and Safety Training Program National Career Readiness Certificate	**Central Maine Community College** Intro to Lathes (2 credits) Dual Enrollment Vouchers Available	SkillsUSA

Specialty Module: (One Period Elective) (.5 Credit Course)	**Intro to Robotics – 70402** Intro to Robotics is a lab based course that uses a hands on approach to introduce students to basic concepts of robotics. This course focuses primarily on the construction and programming of autonomous robots. All interested students are welcome to join this course. No prior experience with technology is required!

Instructor:

Douglass Bell
Tel: (802) 527-6526
Email: dbell@maplerun.org

HUMAN SERVICES

Human Services students have a sincere interest in helping others. Through experience, community involvement, and classroom instruction, students will learn about working with preschoolers, school-aged children, people with special needs, and the elderly. These students are preparing for careers as teachers, counselors, social workers, child care providers, geriatric service providers and workers in the health care and mental health fields. The Human Services students are responsible for many of the activities at Northwest Career & Technical Center's preschool, "Curiosity Corners". Upon completion of this program, students will be prepared to either enter college or the workforce.

The Human Services program is a college prep level program, and students will need reading, writing and presentation skills to be successful. Students accepted into the program must be able to pass an Agency of Human Services background check to participate in work based learning at the Curiosity Corners preschool.

Human Services I – 70461Y (2 Credit Course)

This class is an option for students in grades 11 and 12. Admittance is based upon a completed application that reflects the student's success in the following three areas:

- **A**ttendance
- **A**ttitude and behavior
- **A**dvancement toward grade-appropriate proficiency in English.

Human Services II – 70462Y (2 Credit Course)

This class is an option for all students who have participated in and met Human Services I proficiencies.

Over the course of the two-year program students may earn:

Embedded Credit	Credential	Dual Enrollment	CTSO
Social Studies (.5 credit per year) English (1 integrated/transcripted credit in 2nd year) (1 credit maximum)	Bloodborne Pathogens Better Kid Care CPR/AED First Aid Training National Career Readiness Certificate Fundamentals in Early Childhood Master Teacher Paraeducator Certification Training VT Mandated Reporter Training VT Early Childhood Preapprenticeship Program Youth Mental Health First Aid	**Community College of VT** **Vermont Technical College** Introduction to Early Childhood Education (3 credits) Introduction to Human Services (3 credits) Human Growth & Development (3 credits) Dual Enrollment Vouchers Available	SkillsUSA Educators Rising

Specialty Modules: **(One Period Electives)** **(.5 Credit Course)**	**Teacher Prep – 70452** Learn the basics of learning theory including learning styles, how you learn, how learning changes as we develop over time, special learning needs, and what it takes to become a teacher.
	Paraprofessional Training Course – 70453 Earn your certification as a paraeducator through an online course that meets Title I, Section 1119 compliance for high-qualified paraeducators. Complete online coursework that covers Reading, Writing, and Mathematics as it relates to supporting instruction and comprehension. The course will also include work-based learning in our onsite preschool and in our community schools. Opportunities to work with the Co-op coordinators to plan an additional paid experience in the spring semester. The Maple Run Unified District supports and hires students to work in our District schools as paraeducators.

Instructors:

Jennifer Konrad
Tel: (802) 527-6507
Email: jkonrad@maplerun.org

Beth Richey (Curiosity Corners, Preschool Teacher)
Tel: (802) 527-6499
Email: brichey@maplerun.org

MEDICAL PROFESSIONS

Want to get a jumpstart on your future career earning up to nine college credits? This upper level college prep program is designed for students interested in pursuing careers in medicine, nursing, physical therapy, radiologic imaging, laboratory technology, dental hygiene, veterinary medicine, sports medicine, or other healthcare disciplines. Students will explore the symptoms of disease and wellness that may occur in the human body during a person's life. These students will also have field placements in local medical facilities to help them apply their academic learning to real life situations. If you are looking for a career that focuses on people and enjoy science and medical technology, consider this program.

Medical Professions I – 70511Y (2 Credit Course)

This class is an option for students in grades 11 and 12. Admittance is based upon a completed application that reflects the student's success in the following three areas:

- **A**ttendance
- **A**ttitude and behavior
- Proficiency in Biology
- **Students that demonstrate proficiency in Biology are most successful in this program due to the dual enrollment college credit.**

Medical Professions II – 70512Y (3 Credit Course)

This class is an option for all students who have participated in and met Medical Professions I proficiencies.

Over the course of the two-year program students may earn:

Embedded Credit	Credential	Dual Enrollment	CTSO
Science (.5 credit per year) (1 credit maximum each year) English (1 integrated/transcripted credit in 2nd year) (1 credit maximum)	Licensed Nurse Assistant (LNA) Certified Pharmacy Technician (CPhT) CPR/AED & First Aid Training Bloodborne Pathogens National Career Readiness Certificate Stop the Bleed	**Community College of VT** **Vermont Technical College** Human Biology (3 credits) Intro to Health Care (3 credits) Nutrition (3 credits) English (3 credits) Dual Enrollment Vouchers Available	SkillsUSA

Instructors:

Julie Faas, RN
Tel: (802) 527-6523
Email: jfaas@maplerun.org

Timothy Hurteau, MSPT
Tel: (802)527-6509
thurteau@maplerun.org

OUTDOOR TECHNOLOGY

Outdoor Technology is designed for students who want to spend time outside exploring, helping the community and developing leadership skills. The field-based curriculum emphasizes hands-on learning with multiple outdoor lessons and activities each week. Outdoor Technology focuses on ecological stewardship, holistic problem-solving, and effective communication. Students develop complex understandings of natural communities and ecosystems, sustainable forestry, and regenerative agriculture through experiential projects, service learning and career exploration.

Recent projects and collaboration include:

- Ice fishing with Vermont Fish and Wildlife Game Warden
- Tracking wildlife through the winter
- Exploring Lake Champlain aboard the University of Vermont research vessel Melosira with scientists to learn about aquatic ecology
- Orchard design, planting and pruning
- Greenhouse Construction
- Trail building

This half-day course is designed to immerse 9th and 10th grade students in an outdoor-based leadership curriculum that creatively explores high-skill, high-wage, and high-demand careers and supports the development of a student's Personalized Learning Plan.

This interdisciplinary course combines the fields environmental science, technology, engineering, arts and math through community service, outdoor education and leadership training experiences. Focus areas include wildlife tracking, wilderness first aid, green design build, engineering, forest ecology, grafting, pruning and propagation, sustainable agriculture, and hospitality, tourism and recreation, to name a few.

The course is designed to support the Whole School, Whole Community, Whole Child (WSCC) model, where it meets "the call for greater alignment, integration, and collaboration between education and health to improve each child's cognitive, physical, social, and emotional development."

Outdoor Technology – 70310Y (2 Credit Course)

This class is an option for students in grades 9 and 10. As with other NCTC courses, students are expected to reflect their success in the following three areas:

- **A**ttendance
- **A**ttitude and behavior
- **A**dvancement toward grade-appropriate proficiency.

Over the course of the program students may earn:

Embedded Credit	Credential	Dual Enrollment	CTSO
Math (1 integrated/transcripted credit per year) (1 credit maximum)	**Community College of Vermont** Intro to College and Careers (ICC) Students who successfully complete ICC are eligible for dual enrollment /fast forward courses	N/A	SkillsUSA

Instructors:

Jacob Holzberg-Pill
Tel: (802) 752-1055
Email: jholzbergpill@maplerun.org

Corrie Sweet, BFA/NCTC Math Instructor
Tel: (802) 752-1055
Email: csweet@maplerun.org

Specialty Module: **(One Period Elective)** **(.5 Credit Course)**	**The Kitchen Garden – 70253** Once a phrase that brought images of a small herb-based plot to mind, the contemporary kitchen garden has become more substantial and sustainable. The number of food service professionals "growing their own" is on the rise and many operations employ full time gardeners to tend their gardens and orchards. Savvy operators are developing relationships with local farmers in an increasing effort to control the quality of their product and support their communities. In addition, chef-gardeners gain a deeper appreciation and respect for the food that they grow. This newfound respect for basic produce becomes evident in the marketing of these products on menus and in the quality of the finished plates. Whether you are trying to cut your produce bill, provide specialty garnishes, or "get away from it all" for an hour a day, creating a kitchen garden will inspire you to become a better chef.

Instructors:

Jacob Holzberg-Pill
Tel: (802) 752-1055
Email: jholzbergpill@maplerun.org

and/or

Adam Monette
Tel: (802)527-6508
Email: amonette@maplerun.org

PUBLIC SAFETY & LAW ENFORCEMENT

This course is designed to meet the needs of students who are interested in exploring careers as Emergency Medical Technicians, Paramedics, Police Officers, Federal Law Enforcement, Military, etc. The program focuses on gaining hands-on training with an emphasis on ethical behavior, professionalism, and the importance of serving the community.

Public Safety & Law Enforcement – 70360Y (2 Credit Course)

Are you interested in law enforcement or medical emergency services? Students will explore the functions of Law Enforcement, First Responders and Emergency Medical Services. Students will learn about First Responder careers, basic Law Enforcement tactics and lifesaving skills. A feature of this program will be for students to earn the opportunity to attend Work Based Learning placements at local hospitals, police departments, and rescue squads, etc.

This class is an option for students in grades 10, 11 and 12. Admittance is based upon a completed application that reflects the student's success in the following three areas:

- **A**ttendance
- **A**ttitude and behavior
- **A**dvancement toward grade-appropriate proficiency in English.

Over the course of the two-year program students may earn:

Embedded Credit	Credential	Dual Enrollment	CTSO
Science (.5 credit per year) (1 credit maximum each year)	CPR/AED & First Aid Training Bloodborne Pathogens Emergency Medical Responder Incident Command Systems 100 (FEMA) Incident Command Systems 200 Incident Command Systems 700 Highway Safety Professional Rescuers Stop the Bleed Hazardous Materials Operations National Career Readiness Certificate Solo Wilderness First Responder		SkillsUSA

Specialty Module: (One Period Elective) (.5 Credit Course)	**Rescue 911: Skills and Drills in Emergency Fields A & B – 70351** Most practiced skills and drills used in today's Emergency situations. Course will include CPR & First Aid Certification through the American Red Cross.

Instructor:

Kristine Koch
Tel: (802) 527-6541
Email: kkoch@maplerun.org

Co-Operative English

(Class)

Co-Operative English – (Elective English ½ Credit per Semester)

Students who take this course would need to be in their third year in a Northwest Career & Technical Center program or a second year student with a recommendation from the teacher.

This is an elective English course that would allow students to strengthen their literacy, speaking, listening, and analytic thinking skills and apply them to their current Co-Op Placement. Our goal is to create well rounded students who can enter the workforce better prepared for challenges, develop soft skills, as well as the capability to take on different learning opportunities.

English PBGRs: Reading Writing, Speaking and Listening, Language
Transferrable Skills: Self-Direction and Responsible and Involved Citizenship.

The target audience for this class would be individuals who necessitate English credit for graduation and are eligible to participate in offsite internships. The evidence of learning could be contributed or incorporated within the BFA student personal learning plan (PLP). It would allow them to fully commit themselves to their internships or cooperative learning endeavors, while simultaneously having an opportunity to process what they are learning within an academic setting.

Instructor:

Kieran Kivlehan
Tel: (802) 527-6521
Email: kkivlehan@maplerun.org

WORK BASED LEARNING

(Class 70944)

Work Based Learning, is a unique plan of education which integrates classroom study with planned and supervised work experience. This educational pattern allows students to acquire practical skills as well as to be exposed to the reality of the world of work beyond the school campus. These experiences enhance the self-awareness and potential direction of the students involved.

One of the great strengths of Work Based Learning is its flexibility. The basic concept of integrating work experience in an educational curriculum can be applied in many different ways.

The Northwest Career & Technical Center's Work Based Learning Program has three main components:

Job Shadows	Usually a onetime observation of various occupations
Career Work Experience (CWE)	Program specific work experiences, usually during Northwest Career & Technical Center class time
Cooperative Technical Education (CTE)	Paid, supervised work, with training plan in program specific employment, available to students who have already completed program curriculum

Work Based Learning blends the philosophy of the hiring institution with the needs of the students. It is dependent upon the cooperation between educational institutions and employers to form a total educational program. The interrelated experience and study components are carefully planned and supervised to produce optimum educational results. Through a balanced educational method which combines classroom theory with career-related work experience, Work Based Learning offers numerous advantages to the student and to employers.

It is the goal of Work Based Learning to prepare every student for entry level employment and/or post-secondary training or education.

Please Note: *Participation in Work Based Learning is based on your Program Instructor's recommendation.*

Work Based Learning Coordinator:
Rob Thayer
Tel: (802) 527-6516
Email: rthayer@maplerun.org

ACADEMIC SKILLS CENTER (ASC)

The Academic Skills Center is available to all students at the Northwest Career & Technical Center. Students are welcome to seek academic and organizational support, utilize computers, have a quiet space to work, and discuss individual learning needs.

The instructor provides academic help, guidance, counseling, and employability skills training. The instructor conducts assessments for all Northwest Career & Technical Center students. These assessments include the Accuplacer, Work Keys and other state and individual program assessments as required. Special emphasis is placed on helping students develop skills in communication, problem solving, work ethic, and team building.

The ASC is staffed by a certified special needs teacher. The teacher monitors and supports all Special Education and Section 504 students.

ASC helps all students in the Northwest Career & Technical Center to achieve their educational potential.

EMPLOYABILITY

The Northwest Career & Technical Center educates all students in filling out job applications, contacting the local job services, and assisting them in attaining employment upon graduation through our Work Based Learning Program. We help all students develop employability skills through development of resumes, cover letters, applications, mock interview skills and portfolios.

EMBEDDED/INTEGRATED/ TRANSCRIPTED CREDIT

At the completion of each year in a Career & Technical Center program, students may earn ½ embedded credit in Math, Science or Art. See individual course descriptions for specifics on which credit is offered in each program. A student must be in the class all year to be eligible to receive embedded credit in their Tech Center program.

Integrated English

BFA Students: Junior/Senior English Seminar is an English class offered to Northwest Career & Technical Center students enrolled in certain Northwest Career & Technical Center programs. This college prep class blends English and the specific Northwest Career & Technical Center course. Students take this course during their Northwest Career & Technical Center class, and it is available ONLY to juniors and seniors. One credit of Junior/Senior English Seminar can fulfill Bellows Free Academy's graduation requirements for English. Junior students may not take two English classes to replace their senior English class. However, seniors who are in need of an additional English credit may take two English classes at the same time.

MVU Students: The following classes at Northwest Career & Technical Center will qualify as a language art elective or applied language art credit upon completion of the two year program: Public Safety & Fire Services, Human Services, and Medical Professions. (Grade 11 students will receive a .5 elective credit; grade 12 students will receive .5 applied language arts credit.) *Senior students may apply the .5 credit in applied language arts towards fulfillment of their applied language art component of their senior English.

Geometry 327

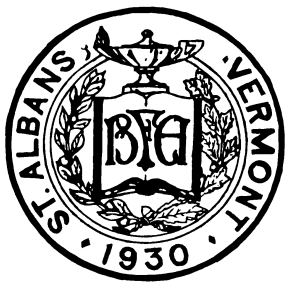
This integrated class blends geometry and the concepts of Building Trades in the Northwest Career & Technical Center. One credit of Geometry can fulfill Bellows Free Academy's graduation requirements for Math and two credits are electives for Building Trades, all in one year!

Integrated Math

This integrated class blends Math concepts with the Outdoor Technology curriculum in the Northwest Career & Technical Center course. One credit of Integrated Math can fulfill Bellows Free Academy graduation requirements for Math and two credits are electives for Outdoor Technology, all in one year!

BFA's Career Exploration

This course is waived for all NCTC students who complete two years of a NCTC program class.



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