## PROGRAM OF STUDIES 2024-2025



## BELLOWS FREE ACADEMY ST. ALBANS, VERMONT



## TABLE OF CONTENTS

Section Page
General Information ..... 4
Graduation Requirements ..... 5
Planning For Life After High School ..... 6
Example 4-Year Schedule ..... 7
Alternative/Assistive Programs ..... 8
Flexible Pathways ..... 9
English Language Arts ..... 10
Mathematics ..... 16
Science ..... 20
Social Studies ..... 24
Business Education ..... 29
Design Technology ..... 32
Fine Arts ..... 36
Health and Foods ..... 44
Physical Education ..... 46
World Languages and Classics ..... 48
Extra-Curricular ..... 51

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 45 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. (Subject to change)

## 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 during their appointed add drop time. Freshman schedules will be dispersed at Move Up Day. Students will have opportunities to make changes during the add drop window. Rising grades 10-12 will have an add drop week in June prior to the closing of the school year.

1. Every student attends their first full day of classes before requesting changes..
2. Students will then have five (5) days of add/drop.

## 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 <br> (17 required credits, 7 elective credits) | Grade Level | Course Options | Credits |
| :---: | :---: | :---: | :---: |
| English 4 Credits | Grade 9 <br> Grade 10 <br> Grade 11 <br> Grade 12 | Writing Workshop American Literature English Courses English Courses | $\begin{aligned} & 1 \\ & 1 \\ & 1 \\ & 1 \end{aligned}$ |
| Mathematics 3 Credits | Grade 9 <br> Grade 10 <br> Grade 11/12 | Algebra 1 <br> Math Course Selection <br> Math Course Selection | $\begin{aligned} & 1 \\ & 1 \\ & 1 \end{aligned}$ |
| Science <br> 3 Credits | Grade 9 <br> Grade 10 <br> Grade 11/12 | Earth Science <br> Biology <br> Science Course Selection | $\begin{aligned} & 1 \\ & 1 \\ & 1 \end{aligned}$ |
| Social Studies 3 Credits | Grade 9 Grade 10/11 Grade 11/12 | Global Citizenship <br> The American Experience or APUSH Social Studies Courses Selection | $\begin{aligned} & 1 \\ & 1 \\ & 1 \end{aligned}$ |
| Business 1 credit | Grade 9-12 <br> Grades 10-12 | See page 28 for grade level choices Personal Finance** | $\begin{aligned} & .5 \\ & .5 \end{aligned}$ |
| 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 <br> Sophomore PLP <br> Junior PLP <br> Senior PLP | Required for each year at BFA |
| Embedded in all Courses: Vermont Transferable Skills | 9-12 | -Clear and Effective Communication <br> -Responsible and Involved Citizenship <br> -Self-Direction <br> -Creative and Practical Problem Solving <br> -Informed and Integrative Thinking | Basic Proficiency Required |
| Senior Community Service | 12 | 10 hours of approved community service |  |

[^0]
## PLANNING FOR LIFE AFTER HIGH SCHOOL

It is essential for students to carefully consider their post-secondary aspirations while crafting their high school curriculum. BFA provides a diverse array of opportunities designed to equip students for a multitude of paths following graduation. Whether one's future includes technical education, community college, university, military service, or immediate entry into the workforce, each avenue demands a unique set of skills and foundational knowledge. Given the absence of a one-size-fits-all academic plan for any given career or institution, students are encouraged to diligently investigate and understand the specific prerequisites required for their chosen field or college program.

## Minimum of 24 credits are required for graduation.

## 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. <br>  <br>  *Refer to college websites for the level of selectivity. |

SAMPLE minimum requirements for TECHNICAL PROGRAMS

| English | 4 years |
| :--- | :--- |
| Mathematics | 3 years |
| Science | 4 years |
| Social Studies | 4 years |

## SAMPLE minimum requirements for THE WORLD OF WORK

| English | 4 years |
| :--- | :--- |
| Mathematics | 3 years |
| Science | 3 years |
| Social Studies | 3 years |

## 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.

Please be aware that the NCAA Eligibility Center has a specific set of criteria for what constitutes a core academic course. Not all courses offered at BFA meet the NCAA's definition of a core course. Typically, the NCAA does not recognize independent studies, online courses, or courses completed in middle school as core courses. The core courses acknowledged by the NCAA encompass English, Mathematics, Natural/Physical Sciences, Social Sciences, and World Languages.

For those aiming to participate in collegiate athletics, it is crucial to refer to the NCAA's list of BFA St. Albans approved courses. This list is accessible on the NCAA Eligibility Center's website and should be consulted during course selection to ensure NCAA academic requirements are met.

## EXAMPLE 4-YEAR SCHEDULE

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

The Skill Building Program is designed to bolster both academic performance and social-emotional development, fostering overall success within the school environment. This program provides targeted instruction in essential areas such as organizational skills, strategic planning, effective time management, initiation of tasks, and the cultivation of adaptive thinking. It also offers support in the completion of assignments. Integral to the program is the collaboration with a supportive network including teachers, parents or guardians, school personnel, and external agencies, ensuring a cohesive approach to student development. Credit within the Skill Building Program is contingent upon students demonstrating proficiency in pivotal transferable skills within the context of the class. Decisions regarding student placement in the Skill Building Program are informed by the Multi-Tiered System of Supports (MTSS) process, ensuring a tailored fit to each student's unique needs.

## LEARNING CENTER

The Learning Center is dedicated to assisting students with diverse disabilities who qualify for special education services. These students are typically enrolled in mainstream classes but benefit from a dedicated period in the Learning Center focused on Academic Skills. Here, they receive direct instruction aimed at enhancing specific skills, support with their coursework, and guidance in transition planning in accordance with their Individual Education Program (IEP). To provide comprehensive support that caters to the holistic needs of each student, Case Managers work in close collaboration with families, students, school staff, and external agencies as required. This collaborative approach ensures that the educational and transitional needs of students are met effectively, adhering to the tailored strategies outlined in their IEPs.

## NOVUS

The Novus program stands as a specialized educational offering within BFA, crafted to support a select group of students, with a capacity for twenty individuals. The program is uniquely tailored to address and foster growth in three fundamental areas: behavioral, academic, and social skills. To ensure an environment conducive to focused learning and personal attention, all academic instruction within Novus is delivered in small group settings. This intimate approach allows for a more tailored and effective educational experience. Professional staff members are dedicated to providing individualized case management, working in close partnership with the school community, families, and local support agencies. This collaborative effort is pivotal in creating a comprehensive support system for each student's unique educational journey.

## COMMUNITY INTEGRATION PROGRAM

The Community Integration Program (CIP) at BFA is designed to uplift students with intellectual disabilities by providing them with tailored educational pathways. Our alternative curriculum is centered on the personal ambitions of each individual, with a strong emphasis on nurturing independence and ensuring success throughout their high school years and into their future endeavors. A significant feature of CIP is our comprehensive work experience component, which offers real-world learning opportunities. We maintain a close collaborative relationship with local mental health organizations and various service providers to facilitate a smooth and supported transition to adult services, aligning with each student's long-term goals.

## THE LIGHTHOUSE ALTERNATIVE PROGRAM

The Lighthouse Alternative Program provides a personalized and adaptable educational route for general education students facing difficulties engaging with their education due to persistent disengagement or ongoing behavioral, social, emotional, and academic challenges. Although this program operates off-site, it affords students the opportunity to attend classes at BFA where suitable. This ensures that each student receives a comprehensive educational experience tailored to their unique circumstances and needs, fostering an environment where they can overcome obstacles and thrive academically.

## 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.

Students will develop and show proficiency in the following flexible pathways standards:

1. Applies content knowledge
2. Clear and effective speaking \& listening skills
3. Attends regularly and is punctual
4. Demonstrates goal setting
5. Exhibits Independence
6. Frames questions
7. Identifies \& evaluates problems and solutions
8. Displays perseverance
9. Demonstrates leadership
10. Respect for diversity, and differing points of view
11. Prioritizes \& manages time
12. Creates and uses efficient systems

Students can pursue BFA's Flexible Pathway offerings for content area OR elective credit. When seeking elective credit the student works with the Flexible Pathways Coordinator, who is the teacher of record, to demonstrate evidence of learning. When seeking content credit the student works with the Flexible Pathways Coordinator AND a content area teacher, who is the teacher of record, to demonstrate evidence of learning and proficiency in content area standards.

Flexible Pathways at BFA 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.

## 17000IL Independent Learning

Courses are structured as student-driven learning experiences on campus and outside school. They often involve intermittent community engagement.

## 17000IP BFA Internship

Courses are structured as on-campus internships where students regularly engage with a BFA faculty or staff member as a mentor.

## ENGLISH LANGUAGE ARTS

Our English curriculum is meticulously designed to enhance writing, reading, critical thinking, and discussion skills. Each student is carefully placed in a course that aligns with their current skill level to ensure optimal growth and challenge. Should students or parents have any uncertainty during the course selection process, they are encouraged to seek guidance from the prospective course instructor or consult with previous teachers.

As part of our foundational English program, all freshmen are required to enroll in the Reading and Writing Workshop. This is followed by a compulsory enrollment for sophomores in the American Literature and Composition class, ensuring a robust literary foundation is set for their subsequent years at BFA
(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

| $9^{\text {th }}$ Grade Requirement | 10 ${ }^{\text {th }}$ Grade Requirement |
| :---: | :---: |
| Reading \& Writing Workshop OR <br> Accelerated Reading \& Writing Workshop | American Literature \& Composition OR <br> Accelerated American Literature \& Composition |
| 11/12 ${ }^{\text {th }}$ Grade Year-Long Options |  |
| AP Language and Composition (11 ${ }^{\text {th }}$ Grade) AP Literature and Composition ( $12^{\text {th }}$ Grade) |  |
| 11/12 ${ }^{\text {th }}$ Grade Semester-Long Options <br> Some semester-long options are offered alternating years |  |
| Courses offered for 2024-2025: <br> 20th \& 21st Century Literature \& Composition <br> Lifetime English <br> English 11-12 <br> Journalism <br> Epic Journeys <br> Introduction to Shakespeare and Film <br> Culture, Power, and Magic in Literature <br> Playwriting and Performance <br> Poetry <br> Public Speaking | Courses offered for 2025-2026: <br> 20th \& 21st Century Literature \& Composition <br> Lifetime English <br> English 11-12 <br> Journalism <br> Epic Journeys <br> Reading Studio <br> Video Literature <br> Philosophy <br> Creative Writing <br> Sports Literature |


| Grade | Number | Credit | Course | Prerequisite/Notes |
| :---: | :---: | :---: | :---: | :---: |
| 11-12 | $\begin{aligned} & 10180, \\ & 10181 \end{aligned}$ | . 5 | $20^{\text {th }}$ and $21^{\text {st }}$ Century Literature \& Composition |  |
| 10 | 10137Y | 1 | (AC) Accelerated American Literature \& Composition | Successful completion of summer assignment |
| 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 | Successful completion of summer assignment |
| 11 | 10138Y | 1 | (AP) Advanced Placement Language \& Composition | Successful completion of summer assignment |
| 10 | 10136Y | 1 | American Literature \& Composition |  |
| 11-12 | 10168 | . 5 | Creative Writing | Offered 2025-2026 |
| 11-12 | 10145 | . 5 | Culture, Power, and Magic in Literature | Offered 2024-2025 |
| 11-12 | $\begin{aligned} & \text { 10140, } \\ & 10141 \end{aligned}$ | . 5 | English 11-12 |  |
| 9-12 | $\begin{aligned} & \text { 10169, } \\ & 10170 \end{aligned}$ | 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 | $\begin{aligned} & 10152, \\ & 10153 \end{aligned}$ | . 5 | Lifetime English |  |
| 11-12 | 10151 | . 5 | Philosophy | Offered 2025-2026 |
| 11-12 | 10161 | . 5 | Playwriting \& Performance | Offered 2024-2025 |
| 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 | Offered 2025-2026 |
| :---: | :---: | :---: | :---: | :---: |
| $11-12$ | 10160 | .5 | Sports Literature: Heroism, <br> Victory, Disappointment | Offered 2025-2026 |
| $11-12$ | 10149 | .5 | Video Literature: Examination <br> of Entertainment Media | Offered 2025-2026 |

*(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 20 ${ }^{\text {th }}$ and $21^{\text {st }}$ Century Literature and Composition

This is a rigorous course which requires students to work on and complete assignments outside of class. $20^{\text {th }}$ and $21^{\text {st }}$ 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 $20^{\text {th }}$ and 21 st-century literature from various cultures and points of view. College composition skills will be introduced.

## 10136Y, 10137Y (AC) American Literature and Composition

This is a rigorous course which requires students to work on and complete assignments outside of class. 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

This is a rigorous course which requires students to work on and complete assignments outside of class. 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

This is a rigorous college level class. Most student work will be completed outside of class 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.

## 10138 Y (AP) Advanced Placement English Language and Composition

AP English Language and Composition is a college-level course that engages students in honing their reading and writing skills for a variety of purposes. Students will be required to complete work independently outside of class. We analyze the interactions among a writer's purpose, audience expectations, and subject, as well as the way genre conventions and language contribute to effectiveness in writing. Student learning will be assessed through a variety of methods.

## 10168 Creative Writing

This course requires students to work on and complete assignments outside of class. 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

In this semester-long course, students strengthen their analytical thinking, literacy, speaking, and listening skills while engaging with folk and fairy tales from around the world. Students will be required to work on and complete assignments outside of class. We investigate cultural variations of tales, analyzing what power structures are revealed in a given tale, and how that power both reflects and influences the story's historical moment. We explore the function of magic, an element that continues to fascinate readers today. Key questions guide our study: Why do we tell stories, and why do we like listening to them? Why do some stories continue to be told over the years? Student learning will be assessed through a variety of methods. 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 course requires students to work on and complete assignments outside of class. 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 requires students to work on and complete assignments outside of class. 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

This course requires students to work on and complete assignments outside of class. 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.

## 10151 Philosophy

This course requires students to work on and complete assignments outside of class. 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.

## 10161 Playwriting \& Performance (. 5 English \& . 5 Arts)

This course requires students to work on and complete assignments outside of class. In this hands on, practical exploration of plays and performance students will have the opportunity to earn both an English and an Arts credit in one course. It will include dramatic analysis of existing plays, a study of genres; such as absurdism, classical theatre, Greek theatre and contemporary works. Students will develop physical and vocal performance skills, self awareness and greater confidence, both on stage and off. The course will culminate with students writing original 10 minute plays that are produced and presented for an invited audience. All plays will have the possibility of being a part of the Vermont Young Playwrights Festival and students will have the opportunity to attend the event in May. This course is intended for students interested in the art of theatre and the creation of new plays. No experience needed, only an open mind and curiosity!

## 10150 Poetry

This course requires students to work on and complete assignments outside of class. 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

This course requires students to work on and complete assignments outside of class. 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 (. 5 English and .5 Arts)

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. Offered alternating years.

## 10160 Sports Literature: Heroism, Victory, Disappointment, Defeat

This course requires students to work on and complete assignments outside of class. 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

This course requires students to work on and complete assignments outside of class. Video Literature is designed to apply literary analysis techniques to film and television. Students will analyze a variety of of primetime television/ digital (Netflix, Hulu, YouTube, etc.) productions by examining technical elements of filmmaking (camera shots/angles/movement, sound, lighting, production design) an literary criticism. Students will study 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. Offered alternating years.

## MATHEMATICS

At BFA, the Mathematics Department has crafted a comprehensive curriculum that caters to the diverse needs of our student body. We have structured a suite of courses that support students at each stage of their mathematical development. The sequence of courses is thoughtfully arranged to build upon established concepts while introducing new material in a logical and progressive manner.

To maximize each student's chance of success, prerequisites are strategically set for each course. These prerequisites are a key part of ensuring students embark on courses for which they are well-prepared, thereby enhancing their learning experience and academic achievement in mathematics.
(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.

| $\mathbf{9}^{\text {th }}$ Grade Options | 10 $^{\text {th }}$ Grade Options |
| :---: | :---: |
| Math Seminar | Algebra I |
| Algebra I |  |
| Accelerated Algebra I |  |
| Geometry |  |
| Accelerated Geometry |  |$\quad$| Geometry in Construction |
| :---: |
| Accelerated Geometry |
| Algebra II |
| Accelerated Algebra II |


| Grade | Number | Credit | Course | Prerequisite/Notes |
| :---: | :---: | :---: | :---: | :---: |
| 9 | 10318 Y | 1 | (AC) Accelerated <br> Algebra I | 8th grade teacher recommendation |
| $10-11$ | 10338 Y | 1 | (AC) Accelerated <br> Algebra II | AC Algebra I 10318/AC Geometry 10328, <br> Note: Students taking Geometry and Algebra II <br> concurrently need a teacher recommendation. |
| $9-10$ | 10328 Y | 1 | (AC) Accelerated <br> Geometry | Algebra I 10316*/Acc. Algebra I 10318 <br> *with recommendation |
| 12 | 10358 Y | 1 | (AP) Advanced <br> Placement Calculus | Pre-Calculus or permission of instructor |
| $11-12$ | 10348 Y | 1 | (AP) Advanced <br> Placement Statistics | Algebra II 10336*, AC Algebra II 10338, Pre-Calculus <br> $*$ wwith approval of Program Leader |


| $9-10$ | 10316 Y | 1 | Algebra I | 8th grade teacher recommendation |
| :---: | :---: | :---: | :---: | :---: |
| $10-12$ | 10336 Y | 1 | Algebra II | Geometry 10326/10327/10328 <br> Note: Students taking Geometry and Algebra II <br> concurrently need a teacher recommendation. |
| $11-12$ | 10340, <br> 10341 | 1 | Applied Mathematics I <br> $\&$ II | Algebra II |
| $11-12$ | 10343 | 0.5 | Functions and Trig 12th-grade standing |  |

## 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 include credit, car buying, and other mathematics topics that will help them in their daily life. Students will be assessed through individual and group projects, traditional assessments, and class discussions.
10340 Proficiencies: Numeracy and Measurements, Job Basics, Financial Systems, Interest, Car buying and insurance, and Credit
10341 Proficiencies: Making Money, Saving Money, Investing Money, Taxes, and Economics

## 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 at BFA is dedicated to cultivating a scientific mindset among our students. Our classes are specifically designed to nurture the critical thinking and analytical skills essential for scientific inquiry. We present a broad range of courses tailored to cater to different interests and to present appropriate levels of academic challenge.

For graduation, students must successfully complete three science credits. All incoming freshmen will begin their scientific journey with Earth Science. We advise students to secure one credit in Earth Science and one in Biology as foundational courses before advancing to other science disciplines. Students with a keen interest in the sciences are encouraged to pursue additional credits beyond the basic requirement to further their knowledge and understanding of the subject.
(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.

| $\mathbf{9}^{\text {th }}$ Grade Options | $\mathbf{1 0}^{\text {th }}$ Grade Options |
| :---: | :---: |
| Earth Science <br> Biology | Biology <br> Chemistry |
| $\mathbf{1 1}^{\text {th }}$ and $\mathbf{1 2}^{\text {th }}$ Grade Options |  |
| Advanced Placement Biology <br> Advanced Placement Chemistry <br> Advanced Placement Environmental Science <br> Advanced Placement Physics <br> Anatomy \& Physiology <br> Chemistry | Physical Science <br> Envental Studies \& Outdoor Leadership <br> Environmental Science <br> Physics |


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


| $10-11$ | $10436 Y$ | 1 | Chemistry | Successful completion or concurrent <br> enrollment in Biology. Concurrent enrollment <br> in Algebra II - 10336 or 10338 |
| :---: | :---: | :---: | :---: | :---: |
| 9 | 10417 Y | 1 | Earth Science | Graduation Requirement |

*(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.
**Principles of Engineering courses may count towards a student's 3rd Science credit. More info p. 32

## 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.

## 10430 Scientific Research \& Design (0.5 credits)

Does music have an effect on plant growth? Is the 5 -second rule fact or fiction? How does playing video games affect hand-eye coordination? Scientific Research and Design is a student-driven course that allows students to develop and carry out a research project of their choice from any scientific discipline. In this course, students will see a project through from start to finish, including problem identification, investigation design, data collection, data analysis, and presentation of the conclusions. This is a semester-long course that may be taken multiple times. Proficiencies: Asking Questions and Defining Problems; Planning and Carrying Out Investigations; Analyzing and Interpreting Data; Obtaining, Evaluating, and Communicating Information.

## 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.
$\left.\begin{array}{|c|c|}\hline \mathbf{9}^{\text {th }} \text { Grade Options } & \mathbf{1 0}^{\text {th }} \text { Grade Options } \\ \hline \begin{array}{c}\text { Global Citizenship } \\ \text { Accelerated Global Citizenship }\end{array} & \begin{array}{c}21^{\text {st }} \text { Century America } \\ \text { Economics } \\ \text { Gender Studies }\end{array} \\ \text { History of American Music } \\ \text { Psychology I \& II } \\ \text { Sociology of Crime } \\ \text { The American Experience }\end{array}\right]$

| Grade | Number | Credit | Course | Prerequisite/Notes |
| :---: | :---: | :---: | :---: | :---: |
| 10 | 10219 | .5 | $21^{\text {st }}$ Century America | Teacher Recommendation |
| 9 | 10211 Y | 1 | (AC) Accelerated Global Citizenship* | $8^{\text {th }}$ Grade Teacher <br> Recommendation/Grad Requirement |
| $11 / 12$ | 10248 Y | 1 | (AP) Advanced Placement <br> Government \& Politics | *High Rigor Course |

*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 21 $^{\text {st }}$ 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

## 10210Y Global Citizenship (Graduation Requirement)

Global Citizenship is a yearlong, one-credit course for 9th graders. 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

## 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

This is a high rigor college course. AP U.S. Government and Politics is a yearlong, one-credit course for $11^{\text {th }}$ or $12^{\text {th }}$ graders. 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

This is a high rigor college course. Advanced Placement U.S. History is a yearlong, one-credit course for 11th or 12th graders. 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 three college credits. Proficiencies: Inquiry and History

## 10258Y AP Psychology

This is a high rigor college course. Advanced Placement Psychology is a yearlong, one-credit course for 11th or 12th graders. 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 AP 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 $10^{\text {th }}, 11^{\text {th }}$, or $12^{\text {th }}$ 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 $10^{\text {th }}, 11^{\text {th }}$, or $12^{\text {th }}$ 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

## 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: History and Civics

## 10241 Psychology I

Psychology I is a one-semester, half-credit, elective course for $10^{\text {th }}, 11^{\text {th }}$, and $12^{\text {th }}$ 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 Evaluating Sources \& Using Evidence

## 10242 Psychology II

Psychology II is a one-semester, half-credit, elective course for $10^{\text {th }}, 11^{\text {th }}$, and $12^{\text {th }}$ 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 and Evaluating Sources \& Using Evidence

## 10247 Senior Civics

Senior Civics is a one-semester, half-credit, elective course for $12^{\text {th }}$ 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 $10^{\text {th }}, 11^{\text {th }}$, or $12^{\text {th }}$ 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 Evaluating Sources \& Using Evidence

## 10231Y The American Experience (Graduation Requirement)

The American Experience is a yearlong, one-credit course for $10^{\text {th }}$ or $11^{\text {th }}$ 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: History, Civics, 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 21 st-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 <br> Sports \& Entertainment Marketing |  |  | Accounting IBusiness Law IBusiness ManagementCareer Exploration (10th \&11th only)EntrepreneurshipLeadership TrainingPersonal FinanceSports \& Entertainment Marketing |  |
| Grade | Number | Credit | Course | Prerequisite/Notes |
| 10-12 | $\begin{aligned} & 10631 \\ & 10632 \\ & \hline \end{aligned}$ | 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 | Recommended for all 10-11 grade <br> students |
| :---: | :---: | :---: | :---: | :---: |
| $10-12$ | 10623 | .5 | Entrepreneurship |  |
| $10-12$ | 10649 | .5 | Leadership Training |  |
| $11-12$ | 10621 | .5 | Personal Finance | Graduation Requirement |
| $9-12$ | 10670 | .5 | Sports \& Entertainment <br> 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. Technology 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

| $9^{\text {th }}$ Grade Options | $10^{\text {th }}, 11^{\text {th }}, 12^{\text {th }}$ Grade Options |
| :---: | :---: |
| Wood Design Graphic Arts Introduction to CAD Architectural CAD <br> Principles of Engineering Principles of Engineering II Electricity \& Electronics | All ${ }^{\text {th }}$ Grade Options <br> 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 |  <br> 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 |  <br> 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 <br> $9-12$ 10703 | .5 |

*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 $3 r d$ Science credit or remain an elective credit.

## 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 serve as vital conduits for student expression, growth, and academic enhancement at BFA. These disciplines are more than mere outlets for creativity; they actively promote critical thinking and problem-solving abilities, which have a demonstrable positive impact on academic performance across the curriculum.

Engagement in the arts bolsters literacy and self-confidence while cultivating the crucial competencies that are in high demand in today's global landscape. They push cognitive boundaries, fostering a flexibility of thought and innovative spirit that are indispensable in our rapidly evolving world. Through the arts, our students are not just prepared to meet the changes of the future-they are poised to be the ones leading the charge.
(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: | Musical Arts: |
| Acting for Everyone | Band I Band/Chorus I |
| The Art of Communication | Continuing Guitar |
| Improvisation in Theatre and Life | Beginning Guitar |
| Unified Theater | Chorus I |
| Playwriting and Performance | Music Technology |
| Dance | Music Theory |
| Intermediate Dance | Online Influencer of the Arts |
| Advanced Dance | Piano Lab |
|  | String Ensemble |
| Visual Arts: |  |
| Art 1 | Advanced Arts Classes: |
| Art 2 | Band I/II |
| Clay | Modern Band |
| Drawing | Band/Chorus I/II |
| Photography | AP Studio Art |
| Printmaking | Studio Art |
|  | Portfolio |
|  | Advanced Dance |


| Grade | Number | Credit | Course | Prerequisite/Notes |
| :---: | :---: | :---: | :---: | :---: |
| Performance Arts |  |  |  |  |
| 9-12 | 10845 | . 5 | Acting for Everyone | Offered 2025-26 |
| 9-12 | 10844 | . 5 | Art of Communication |  |
| 9-12 | 10871 | . 5 | Improvisation in Theatre and Life | Offered 2024-25 |
| 9-12 | 13846 | . 5 | Unified Theater | CIP students |
| 11-12 | 10161 |  <br> . 5 English | Playwriting and Performance |  |
| 9-12 | 10876 | . 5 | Dance |  |
| 9-12 | 10892 | . 5 | Intermediate Dance | Dance |
| 9-12 | 10874 | . 5 | Advanced Dance | Intermediate Dance |
| Visual Arts |  |  |  |  |
| 9-12 | 10850 | . 5 | Art 1 |  |
| 9-12 | 10851 | . 5 | Art 2 | Art 1 |
| 9-12 | 10854 | . 5 | Clay | Art 1 |
| 9-12 | 10858 | . 5 | Drawing | Art 1 |
| 9-12 | 10856 | . 5 | Painting | Art 1 |
| 9-12 | 10893 | . 5 | Photography | Art 1 |
| 10-12 | 10855 | . 5 | Printmaking | Art 1 |
| 9-12 | 10852 | . 5 | Sculpture | Art 1 |
| 12 | 10889Y | 1 | AP Studio Art | Permission of instructor/ Art 1 |
| 10-12 | 10860 | . 5 | Studio Art | Art 1 |
| 11-12 | 10862 | . 5 | Studio Art 2 | Art 1 |
| 12 | $\begin{aligned} & 10864, \\ & 10865 \end{aligned}$ | . 5 | Portfolio A, B | Permission of instructor/ Art 1 |
| Musical Arts |  |  |  |  |
| 9-12 | 10878 | . 5 | Band I ( $\mathrm{A}, \mathrm{B}$ ) | Previous instrumental instruction |
| 10-12 | 10881 | . 5 | Band II (A, B) | Band I or permission of instructor |


| $9-12$ | 10894 Y | 1 | Modern Band | Acceptance by audition 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 |  |
| $9-12$ | 10890 | .5 | Continuing Guitar | Completion of Guitar I or <br> permission of instructor |
| $9-12$ | 10884 | .5 | String Ensemble (A, B) | Prior experience playing a <br> string instrument |
| $9-12$ | 10877 | .5 | Chorus I (A, B) |  |
| $10-12$ | 10880 | .5 | Chorus II (A, B) | Completion of at least two <br> semesters of Chorus I or <br> permission of instructor. |
| $9-12$ | 10883 | .5 | Music Technology | Successful completion of any <br> music related course or <br> permission of instructor. |
| $9-12$ | 10899 | .5 | Music Theory | Previous background in music <br> study |
| $9-12$ | 10895 | .5 | Piano Lab |  |
| $9-12$ | 10857 | .5 | Online Influencer of the Arts |  |

## 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.

## 10161 Playwriting \& Performance (.5 Arts and . 5 English)

This course requires students to work on and complete assignments outside of class. In this hands on, practical exploration of plays and performance students will have the opportunity to earn both an English and an Arts credit in one course. It will include dramatic analysis of existing plays, a study of genres; such as absurdism, classical theatre, Greek theatre and contemporary works. Students will develop physical and vocal performance skills, self awareness and greater confidence, both on stage
and off. The course will culminate with students writing original 10 minute plays that are produced and presented for an invited audience. All plays will have the possibility of being a part of the Vermont Young Playwrights Festival and students will have the opportunity to attend the event in May. This course is intended for students interested in the art of theatre and the creation of new plays. No experience needed, only an open mind and curiosity!

## 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.

## 18094Y Modern Band

Modern Band is BFA's pop-music performing ensemble. Instruments that aren't traditionally part of the band or orchestra such as acoustic and electric guitars, electric bass, keyboards and drum set will be combined with a horn section and vocals to create an ensemble that will play everything from pop, rock, country, blues, funk and beyond. All students must audition for Mr. Bushey and/or Mr. Messier to be considered for participation in this group. Those auditions will happen in the late Fall and are open to incoming 9th grade students as well as students who will be entering grades 10-12 the next Fall. Please check with Mr. Bushey or Mr. Messier for information on those auditions. Because of the nature of this ensemble there will be a cap to the size determined by the auditions and needs of the group. This is a Full
year course that will perform at some BFA concerts as well as assemblies and school tours and outside community events. Participation in all concerts/performances is mandatory for students in Modern Band.

## 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.

## 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 $8 \times 10$ 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.

## 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.

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!

## 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 |
| $11-12$ | 17902 | .5 | Varsity PE | Flexible Pathway |

## 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.

## 17902 Varsity PE

Juniors and seniors who fully participate in a varsity sports season have the opportunity to earn Physical Education credit through our Flexible Pathways initiative. This option allows student-athletes to apply their dedication and effort in varsity athletics towards half a credit (.5) of their PE requirement. For more details on this pathway, please reach out to Mr. Mahabir, who can guide you through the process and provide comprehensive information.


## WORLD LANGUAGES

Mastering a new language through BFA's Spanish and French courses not only broadens global perspectives but also sharpens cultural insights. Our dynamic approach to language acquisition prepares students for a diverse professional landscape and everyday situations like socializing and travel. Beyond traditional methods, our interactive tools-ranging from digital media to creative arts-enhance the learning experience.

Students' proficiency is evaluated across listening, reading, speaking, writing, and cultural competencies. We also offer exciting opportunities for international travel to deepen linguistic and cultural immersion.

We encourage students to engage in language studies for a significant portion of their high school career. Start your journey towards global fluency with us!

## 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 written 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 | French I, II, III, IV, V |
|  | Spanish I, II, III, IV, V |


| Grade | Number | Credit | Course | Prerequisite/Note |
| :---: | :---: | :---: | :--- | :--- |
| $9-12$ | 10512 Y | 1 | French I |  |
| $9-12$ | 10532 Y | 1 | French II | French I \& Teacher Recommendation |
| $10-12$ | 10546 Y | 1 | French III | French II \& Teacher Recommendation |
| $11-12$ | 10550 Y | 1 | French IV | French III \& Teacher Recommendation |
| 12 | 10552 Y | 1 | French V | French IV \& Teacher Recommendation |
| $9-12$ | 10504 Y | 1 | Spanish I |  |
| $10-12$ | 10524 Y | 1 | Spanish II | Spanish I \& Teacher Recommendation |
| $11-12$ | 10536 Y | 1 | Spanish III | Spanish II \& Teacher Recommendation |
| 12 | 10548 Y | 1 | Spanish IV | Spanish III \& Teacher Recommendation |
| 12 | 10554 Y | 1 | Spanish V | Spanish IV \& Teacher Recommendation |

## 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. Proficiency in this course requires memorization, accurate spelling, and pronunciation in the target language. Students are expected to study and complete assignments outside of class.

## 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. Proficiency in this course requires memorization, accurate spelling, and pronunciation in the target language. Students are expected to study and complete assignments outside of class.

## 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. Proficiency in this course requires memorization, accurate spelling, and pronunciation in the target language. Students are expected to study and complete assignments outside of class.

## 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. Proficiency in this course requires memorization, accurate spelling, and pronunciation in the target language. Students are expected to study and complete assignments outside of class.

## 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. Proficiency in this course requires memorization, accurate spelling, and pronunciation in the target language. Students are expected to study and complete assignments outside of class.

## 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. Proficiency in this course requires memorization, accurate spelling, and pronunciation in the target language. Students are expected to study and complete assignments outside of class.

## 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. Proficiency in this course requires memorization, accurate spelling, and pronunciation in the target language. Students are expected to study and complete assignments outside of class.

## 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. Proficiency in this course requires memorization, accurate spelling, and pronunciation in the target language. Students are expected to study and complete assignments outside of class.

## 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. Proficiency in this course requires memorization, accurate spelling, and pronunciation in the target language. Students are expected to study and complete assignments outside of class.

## 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 <br> GSA- Gender and Sexuality Alliance Hope Happen Here International Club Math League Scholar Bowl <br> Ski and Snowboarding Club Skills USA <br> Social Justice Club Student Voice Unified Club Upward Bound <br> 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 <br> Track and Field Volleyball | All New England Music Festival <br> All-State Music Festival Chamber Singers <br> Concert Band <br> District Jazz Festival <br> District Music Festival <br> Jazz Band <br> Junior Jamboree <br> Marching Band Mixed Chorus Musical Production <br> One Act Festival Play <br> Pit Band <br> Regional Drama Production <br> Student Directed Plays <br> Young Playwright Festival |
| HONOR SOCIETIES | PUBLICATIONS | CLASS \& SCHOOL OFFICERS |
| International Thespian Society <br> 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 |




Bellows Free Academy<br>71 South Main Street<br>St. Albans, VT 05478<br>802-527-6555


[^0]:    ** 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.

