

Bonny Eagle High School  
Home of the Scots



Course Selection Guide  
2022-2023

# Message to Parents and Students



I am honored and excited to be serving as the principal of the Bonny Eagle High School learning community! I am fortunate and blessed to be working with this fantastic faculty and staff who are fully committed to the idea that "We are one school and one team making a difference by reaching and teaching every learner every day and helping all students reach their full potential!" The 2022-2023 Course Selection Guide is designed to provide all students with information about course offerings, support services, graduation requirements, AP courses, vocational programs, the Explore Early College program, as well as our other pathways.

The Course Selection Guide is also a resource for our families as they support and guide students to ensure their educational experience prepares their students to successfully transition after high school. The course descriptions in the guide provide information about each course, which clarifies course outcomes and expectations.

All of our courses are aligned to content and industry standards. We are committed to preparing all students to be motivated, life-long learners who are prepared with the skills to be responsible and successful citizens. Proficiency-based teaching and learning

refers to refining teaching practices that help us to prepare students to demonstrate knowledge and skills that are necessary for their transition after high school.

Our teachers provide instruction directly to students, which will support them to meet the standards required to earn a high school diploma. Our teachers provide learning opportunities for students, which are designed to help them learn new information, develop new skills, work collaboratively, think critically and creatively, as well as solve problems. It is important that students understand that schoolwork in and out of the classroom is designed to be connected to a specific learning target(s) or standard(s) and is important for their learning. All classes have clear learning targets and expectations that are transparent to all stakeholders.

On behalf of the faculty and staff, I want to thank our community for supporting education and the many learning opportunities provided for students. I want to assure the school community that we are committed to providing a safe teaching and learning environment and a welcoming place for all members of the school community. High school is an important time and should be a positive and rewarding experience for students and their families. I assure you the Bonny Eagle High School faculty and staff cares about your students, and we will do everything possible to ensure they are part of the Scot Pride tradition. As always, I am committed to each and every student at Bonny Eagle High School and will do everything in my power to help each of you "reach your full potential."

Sincerely,

*Greg Applestein*

Principal

## Leadership Team

Greg Applestein, Principal

Alicia Davis, Assistant Principal, Students Sophomores & Seniors

Susan Sydnor, Assistant Principal, Students Freshmen & Juniors

Selena Leavitt, Dean of Students, Vocational Program

Eric Curtis, Athletics/Activities Director

Lynn Brown, Director of Student Services 6-12

Leonard Holmes, Director of Innovating Learning

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## BEHS Shared Vision Statement

BEHS students, supported by the BEHS community, will become motivated, life-long learners who develop the skills to become responsible citizens through creativity and collaboration.

### Guiding Principles

- A clear and effective communicator
- A creative and practical problem solver
- An integrative and informed thinker
- A Self-directed and lifelong learner
- A responsible and involved citizen

## Bonny Eagle School District Mission

### **Vision:**

The Bonny Eagle School District in partnership with the community embraces a system of continuous improvement in a safe and supportive learning environment.

### **Mission:**

The mission of the Bonny Eagle School District is to help all students reach their full potential.

### **Strategic Goals:**

- Highest Student Achievement
- Safe Learning Environment
- High Performance Organization

### **Core Beliefs:**

- Accepting Responsibility
- Communicating Positively and Constructively
- Providing for Diverse Need
- Promoting Lifelong Learning
- Fostering a Safe, Caring, and Respectful Climate
- Collaborating for Continuous Improvement

# Student Services

**Main Contact Information: Phone 207-648-7838 or 207-648-7816 Fax 866.613.4451**

## **COMPREHENSIVE SCHOOL COUNSELING PROGRAM THROUGH STUDENT SERVICES OFFICE**

Our mission is to implement a comprehensive developmental school-counseling program promoting student success through a focus on academic achievement, prevention and intervention activities, advocacy, and social/emotional and career development. Each student is assigned to a counselor. Students may meet with their counselor as needed. Parents/guardians are also encouraged to consult with a counselor concerning their student. Appointments are made through a Student Services secretary, or by contacting the counselor directly. The Student Services Office is open from 7:00 a.m. – 3:30 p.m. each school day.

## **DRUG & ALCOHOL COUNSELOR/SOCIAL WORKERS**

BEHS offers the services of a drug & alcohol counselor, school social worker, and a special education social worker. We provide assessments, referrals, individual counseling, and group counseling. We are also currently offering the services of contracted Licensed Clinical Mental Health Professionals who are able to see students and families for counseling. Most students who are eligible for MaineCare, Medicare, and private insurance may receive mental health services. The individual therapist can answer insurance questions. FMI regarding the referral process, please contact a counselor within the Student Services Office.

## **RELEASE OF STUDENT RECORDS**

It is the policy of MSAD #6 to provide for the confidentiality of all student education records that are maintained by MSAD #6, as required by both Maine law and the Federal Family Educational Rights and Privacy Act (FERPA), MSAD #6 designates the following information about students as directory information: name, the student's participation in officially recognized activities and sports, height and weight of student athletes and grade level in school of students in extracurricular activities, date of attendance at MSAD #6 schools, and honors and awards received. BEHS also forwards educational records to any school upon the written request of the student or parent.

## **SYNERGY STUDENTVUE/ PARENTVUE PORTAL**

Parents and students have access to the Synergy StudentVue/ ParentVue portal, which allows them to track a student's grades, assignments, attendance and assessments. Our StudentVUE is found on every school website at the top right as an A+ icon, or the bottom right in the black marble field as an A+ icon or under Quick Links listed as Synergy ParentVUE/StudentVUE. For assistance with obtaining passwords and other information, please contact our Student Services office at 207-648-7838 or 207-648-7816.

# Program of Studies

*In planning a program of studies, students should consider requirements for graduation; scholastic motivation and ability; post high school educational and career plans; special interests; the nature and requirements of individual courses.*

## COLLEGE PREPARATORY PROGRAM

In addition to the high school graduation requirements, students who are planning a traditional college preparatory program should complete another credit each in mathematics and science and at least two credits in a world language. We encourage students to choose additional course work that will assist them with studies in college and/or future career goals.

## HONORS PROGRAM

At Bonny Eagle our goal is to encourage every student to strive for academic excellence. Students are encouraged to enroll in the more rigorous Honors courses for their core requirements. Please consult your current teacher for a better understanding of the material in an Honors level course. Teacher recommendations are encouraged, but not required.

## ADVANCED PLACEMENT (AP) COURSES

Advanced Placement, or AP, is a program (sponsored by the College Board) of college-level courses and exams for secondary school students. Over 90% of the colleges that most AP candidates will attend grant credit or advanced placement to students whose AP exam grades are considered acceptable. Bonny Eagle offers many AP courses. Some Honors courses, though not designated AP, follow a strong, challenging curriculum and prepare students to take the AP exam. More information is available on page 10. Fee waivers may be available for those who qualify.

## CAREER AND TECHNICAL EDUCATION PROGRAMS (AKA VOC)

Career and Technical Education (CTE) programs are available to BEHS students through Portland Arts & Technology High School (PATHS) and Westbrook Regional Vocational Center (WRVC). These are mostly 2-year sequential programs, but there are also 1-year programs. Students have the option of attending WRVC or PATHS depending on the program they wish to pursue. Students should check with their school counselor to make sure they are taking the necessary courses for their post-secondary education and career goals. Students AND parents/guardians will sign a contract that outlines expectations for grades, attendance, and behavior. Enrolling in CTE programs counts as elective credit. Transportation for students is by the district's transportation department. More information is available at the end of the book.

## GIFTED/TALENTED PROGRAM

Advanced placement, honors and fourth year language courses provide the academic rigor, diverse opportunities, and independent challenges for the secondary student within the regular school setting. MSAD #6 also participates in York County's Regional Fine Arts Program, which offers advanced and comprehensive training for identified students in five disciplines, led by professional teaching artists: Art: Oil Painting, Creative Writing, Dance; Music: Voice Training; Theatre: Acting, Jazz Improvisation

## EARLY GRADUATION

A small number of students are allowed the option of earning a diploma after 3 or 3½ years of attendance at BEHS. Students who have earned 20 credits are eligible to apply for early graduation. Early graduation is not for everyone and needs the principal's prior approval. Students should see their school counselor for an application if interested.

## STEM PROGRAM

At Bonny Eagle we are committed to developing multiple opportunities for all students to excel in the areas of Science, Technology, Engineering and Math (STEM). We are designing pathways to help students develop skills, solve problems and explore career opportunities in STEM fields. Students can also create their own pathways. Students are encouraged to discuss STEM options with their advisors and counselors when choosing their high school courses and creating a post-secondary plan. More information can be found in the BEHS – STEM Program Guide.

## STRETCH ACADEMY

The Stretch Academy is designed to provide a rigorous academic course sequence for students who aspire to attend a selective post secondary setting after high school. Students who are interested should work closely with their school counselor and teachers to develop a competitive transcript that will include select Honors, Advanced Placement, and Early College courses to provide academic preparation consistent with the individual student's post secondary aspirations.

# Academic Support Programs

## ACADEMIC INTERVENTIONS

**Hours: M-Th. 2 – 4 PM**

We have Teacher Interventionists available after school in Math, Science, Social Studies, English and Health to ensure all students are academically successful.

## LITERACY PROGRAM AND REQUIREMENT

The mission of Bonny Eagle High School is for all students to become motivated, life-long learners who develop the skills to become responsible citizens. The literacy goal for a Bonny Eagle High School graduate is a minimum 10th grade comprehension level. Any student who has not met that goal will be assigned to an appropriate literacy course as available. The descriptions of the literacy courses are located with the English Department courses.

## GET IT @ YOUR LIBRARY

**Librarian can be reached at ext 850**

If you are in need of a good book or research materials get it at your library. The BEHS library offers all that and more. We're here to help you with research, lend you a laptop, get you online, suggest a book; you name it. Don't miss what's happening at your library.

## RESPONSE TO INTERVENTION

Response to Intervention (RTI) is a process that utilizes all resources within a school in a collaborative manner to create a single, well-integrated system of instruction and interventions guided by student outcome data. RTI is preventive in nature, and is a multi-step process of providing high-quality, research-based instruction and interventions at varying levels of intensity to students who struggle with learning and behavior. Interventions are matched to student needs (including specific curricular interventions, study center support, credit recovery classes, etc.) and progress is closely monitored at each level of intervention to make decisions about further instruction and/or interventions.

## ILLNESS AND TUTOR

School Nurse can be reached at ext 813 or 814

For those students who are faced with a lengthy illness at home or in the hospital for more than ten (10) consecutive school days, tutors may be available at no cost. Documentation from a medical professional is required. Prompt notification of need will result in a timely response by the school. Please contact the school nurse for more information.

## SPECIAL SERVICES

**Dept Leader can be reached at ext 904**

For those students with an identified disability, there are special education teachers known as case managers who monitor their progress. Teachers, parents, guardians or students themselves may complete a referral to special education if the student is not making adequate progress in a regular education program of instruction. The process involves a meeting of the Individual Educational Plan (IEP) team. Parents, guardians and students are invited to be part of the IEP meeting.

## 504 ACCOMODATIONS

For those students with an identified disability that does not need a change in class placement, they may be eligible for accommodations to allow equal access to educational programs. Please contact your school counselor.

## BEHS ALTERNATIVE EDUCATION PROGRAM AT THE LEARNING CENTER (TLC)

**Director can be reached at 929-9171**

### Learning Center Philosophy

Strong positive relationships are key to success in life. We believe that powerful relationships with student peers and with adults will yield positive results. The Learning Center offers an educational experience designed to develop the whole student. We foster a mindset that says "I will try, I will be civil, and I will be true" to myself and to others. Students and staff at the Learning Center continually strive for success in a positive collaborative learning relationship of academic and social discovery. Every day is an "expedition". The "project" is always continual improvement of ourselves as an engaged community.

### Learning Center Mission

The Learning Center will build relationships among students, staff, and the community that promote whole student growth, academic achievement, and guide multiple pathways towards college or career readiness. Students will reach proficiency through rigorous, integrated, authentic and personalized educational experiences.

# Graduation Requirements & GPA

## GRADUATION REQUIREMENT

Seniors who have satisfactorily completed all graduation requirements may participate in the traditional graduation ceremony in June. Seniors who have not met the requirements will not be allowed to participate.

Required Credits.....	24.0 credits
English.....	4.0 credits
Social Studies.....	3.0 credits*
Math.....	3.0 credits
Science.....	3.0 credits**
Health.....	0.5 credit
Physical Education.....	1.0 credit***
Fine Arts.....	1.0 credit
Financial Literacy.....	0.5 credit****
Capstone.....	1.0 credit
Electives.....	7.0 credits

\*Global Village, U.S. History, Government & Economics

\*\*1 Life, and 2 Physical Science

\*\*\*Foundations of Wellness

\*\*\*\*Financial Awareness, On Your Own or JMG-Personal Finance

## WEIGHTED GRADES

Weighted grades will be calculated as follows on a 4.00 scale. Weighting will be added behind the scenes and will not appear on report cards.

.2 additional points:

Pre-Approved College Courses

Honors

.4 additional points:

Advanced Placement Courses

College Courses beyond AP Level (example Calculus III)

## GRADE POINT AVERAGE (GPA)

GPA is calculated at the end of each trimester. Courses that are defined as Honors, Advanced Placement, pre-approved technical programs or approved college courses will carry an additional weight for grade point average (GPA) purposes. GPAs are calculated using a 4.00 scale of quality points. Weighted grade GPAs will be used for the following purposes:

- To determine extra-curricular & athletic eligibility
- To determine National Honor Society eligibility

# Graduation Recognition

Beginning with the class of 2020, Bonny Eagle High School will be recognizing students using a Latin Honors System. This will replace the current Top Ten Percent and Honor Cord recognitions for seniors.

The Latin Honors Systems are commonly used by colleges and universities. It sets a bar for achievement that all students have an opportunity to reach, rather than drawing an arbitrary line at a certain place in class rank.

The class will wear cords at graduation and be recognized for achieving Latin Honors Status. The school will plan a ceremony honoring all students who achieve magna cum laude or summa cum laude status.

### Honor Recognition

Single Gold:

Double Gold:

Triple Gold:

Cum Laude

Magna Cum Laude

Summa Cum Laude

### Cumulative GPA

3.4 or higher

3.8 or higher

4.0 or higher

# Recommended Credits by Grade Level & Sample Class Schedule

	Grade 9	Grade 10	Grade 11	Grade 12	Total
English	1	1	1	1	4
Math	1	1	1		3
Global Village	1				1
US History		1			1
Government			.5		.5
Economics			.5		.5
Lab Earth Science	1				1
Lab Biology		1			1
Physical Science				1	1
Health	.5				.5
Physical Education	.5	.5			1
Fine Arts	.5	.5			1
Financial Literacy			.5		.5
Capstone	.25	.25	.25	.25	1
Electives (Up to:)	2.5	2.5	3.0	6.0	14.0
Total	6 - 7.75	6 - 7.75	6 - 7.75	6 - 7.75	24 - 31

Bonny Eagle High School has a block schedule consisting of five classes each trimester and three trimesters each year. Students may earn .5 credit for each trimester. Classes that are one credit continue over two trimesters. AP courses and NJROTC are year long courses and are worth 1.5 credit. Below is a sample grade 9 schedule.

	Trimester 1	Trimester 2	Trimester 3
Block 1	English 9 A	English 9 B	Lab Earth Science B
Block 2	Selected Math Topics	Algebra I A	Algebra I B
Block 3	Material Science	Global Village A	Global Village B
Block 4	Lab Earth Science A	Spanish I A	Spanish I B
Block 5	Chorus	Chorus	Foundations of Wellness

All students will have the opportunity to choose their courses during the scheduling process each spring. As a result of this process, all students are expected to follow their chosen schedule.

Changes will be honored only for sound educational purposes, including:

- Not having taken a prerequisite for the course
- Two courses scheduled simultaneously
- Less than 4 courses per trimester
- Replacing a study hall with a course

In order to make these changes, students are expected to make an appointment with their school counselor PRIOR to the start of the class they wish to change. After the first full day of classes, there is a limited two day add/drop period. For extenuating circumstances, please see your school counselor.

Schedule changes after the add/drop period will result in a W (withdraw), WM (withdraw medical) or WF (withdraw fail) on the student's transcript.

Note: Students who withdraw from Early College Aspirations Program courses or AP4All courses will receive a WF on their transcript.

**\*NO STUDENT MAY DROP A COURSE  
WITHIN THE LAST THREE WEEKS  
OF A TRIMESTER**



## PURPOSE OF CAPSTONE

The Capstone project is a Bonny Eagle High School graduation requirement, which links with the Maine Guiding Principles and the Bonny Eagle vision that will help connect student learning to post-secondary life.

## WHAT IS THE CAPSTONE PROJECT?

The Bonny Eagle High School Capstone Graduation Project is a school board approved event at the end of your high school career, linked directly to the Maine Guiding Principles and Bonny Eagle High School vision. This is an exciting and dynamic culminating graduation requirement that calls upon you to develop an individual project of your choice that demonstrates the skills you have developed as a self directed and lifelong learner. Through this project, each senior will exhibit his/her skills as an effective communicator (both written and spoken), quality worker, and an integrative and informed thinker.

The main idea of Capstone is YOU. The intent is to connect your learning to a personal interest that you, the student, believe may be relevant to the next stage of your life.

The goal is to encourage and motivate you to engage in a project that relates to your post high school interests, goals and aspirations.

Students will select from one of the four project options. Each option is different and provides you with an opportunity to explore areas of specific interests, as well as demonstrates your personal strengths. It will include research and development of a major product or project over your four years of high school. Learning often takes place beyond the walls of the classroom. You may have opportunities to go outside of the school for your research, development and process.

Suggestions to assist you in selecting areas of interest for your Capstone Project may include:

Animal Care/Shelters/Colleges/Community Agencies/Computer/Tech related business/Environmental Centers/Fitness Centers/Gyms/Hair Salons/Health Care Facilities/Historical Societies / Culinary/ Hotels / Societies /Restaurants/Hospitality/Jewelers/Law/Legal Services/Libraries/Mechanics/Body Shops/Garages /Retail/Clothing/Theatres/Music/Trades (plumbing, carpentry, electrical, metal works, manufacturing) Visual Arts/Photography

MOST IMPORTANTLY, no matter what form your Capstone Project takes, you should focus on an area that you are passionate about, you will be proud of and will have FUN doing!

### Capstone Project Option Descriptions

**Service Oriented Option 1:** Students choosing this area will devote a minimum of 25 hours toward a community service / service learning project. For instance, students may develop and implement a unique promotion for raising funds for the local food bank, a community clean up effort, field trips or seminars of interests on topics about the environment, homeless, elderly homes, clothing drives or even begin their own non-profit to address a community need.

### Self-Development Option 2:

Students choosing this option will work to develop a skill and demonstrate it; to construct or create something you are committed to or passionate about. Examples may include design and build a model of a physical product, perform or produce a play you have written or choreographed, develop a technology or mechanically based idea for actual use. Examples might include: 4-H, Scouts, Music/Theatre involvements, environmental or agricultural interests researched and explored with compelling research data. Write a computer program for application, write, edit and produce a video, organize a major event or begin a business.

**Career-Exploration Option 3:** Students who choose this option will complete an internship or job shadow experience, in a career field that the student plans to pursue after high school. Students will begin by researching career areas of interest. After identifying a career area of interest, the student will research and identify a local company or organization that will sponsor them for an internship or job shadow options.

**Self-Design / Combination Option 4:** For students who would like to combine two or more options, Self-design will allow student to direct their Capstone experience. In addition, this option may incorporate employment experiences or small group (2-4) of students who want to work together.

# AP Courses & Explore Early College (ExploreEC)

## ADVANCED PLACEMENT COURSES (AP)

Advanced Placement (AP) is a program (sponsored by the College Board) of college-level courses and exams for secondary school students. Over 90% of the colleges that most AP candidates will attend grant credit or advanced placement to students whose AP exam grades are considered acceptable. Bonny Eagle offers many yearlong AP courses. AP exams are given at BEHS in May. Fee reductions may be available for those who qualify. Successful completion of an AP class can mean college credit at most colleges. All students enrolled in an AP course are required to take the AP exam. BE offers the following AP courses:

### AP COURSE:

AP English Literature & Composition  
AP English Language & Composition  
AP Biology  
AP Chemistry  
AP Environmental Science  
AP Physics  
AP Statistics  
AP Calculus A/B, B/C  
AP Government & Politics  
AP U.S. History  
AP Studio Art: 2-D Design  
AP Studio Art: 3-D Design  
AP Studio Art: Drawing  
AP Human Geography

### PREREQUISITE:

Honors English 11 or English 11 or AP Language & Comp  
Honors English 10 or English 10  
Biology & Chemistry (Honors recommended)  
Algebra II and Lab Chemistry  
Earth Science  
Calculus and Honors Lab Physics Recommended  
Algebra II  
Honors Precalculus & Trigonometry  
No Prerequisite  
Honors U.S. History Recommended  
Advanced Art and/or recommendation  
Advanced Art and/or recommendation  
Advanced Art and/or recommendation  
Global Village

**AP4ALL** is a program available to all public school students in Maine, offered by the Maine Department of Education. AP4ALL provides online Advanced Placement courses free of charge to any student residing in a Maine school administrative unit who is educated at the public expense. These are yearlong online courses, which run from early September through one week after the scheduled date of the AP Exam for the course. AP4ALL courses follow the same calendar, regardless of a student's own school calendar, and they satisfy all College Board Advanced Placement course requirements. Please check out the website for a full list of class options <http://www.ap4all.org>. For more information, please see your school counselor or check the AP4ALL website.

## EXPLORE EARLY COLLEGE (ExploreEC)

### What is Explore Early College?

Explore Early College Program (ExploreEC), is an opportunity for students to earn credit outside of the normal school day. Students are able to take courses through Southern Maine Community College (SMCC), University of Southern Maine (USM), University of Maine @ Orono (UMaine), Saint Joseph's College (SJC), York County Community College (YCCC), UMaine Fort Kent, Husson University and University of New England (UNE). Students will receive ONE elective credit on their transcript at the successful completion of the course. A letter grade will appear on the BEHS transcript and the grade will count towards class rank and GPA. College courses are weighted at the honors level.

### Why should I take an Explore Early College class?

This is your opportunity to challenge yourself with a college-level class. It also gives you a chance to get a feeling for what its like to be a college student and have a taste of the college experience. PLUS, it's (almost) FREE college credit! A typical 3-credit college course would cost between \$250-\$1000 or more PLUS books and associated fees. Through Early College Aspirations, the cost is significantly reduced or free.

### How do I sign up?

If you are a junior or senior, and at least 16 years old, this is worth checking out! A list of courses is available in the Student Services Office and on the colleges' websites. Even if you don't think you are eligible for an early college class, schedule an appointment with your school counselor to see what we can work out!  
<https://explorec.maine.edu/>

# NCAA Approved Core Courses

The following is the current list of Bonny Eagle High School courses that are approved core courses for NCAA eligibility. This list is subject to change (by the NCAA) at any time. Each course name is a link to the course descriptions listed under each department section in this Course Selection Guide.

For more information on NCAA eligibility, please visit the NCAA Eligibility Center website at:

[http://web1.ncaa.org/ECWR2/NCAA\\_EMS/NCAA.jsp](http://web1.ncaa.org/ECWR2/NCAA_EMS/NCAA.jsp)

## English Courses

English 9  
Honors English 9  
English 10  
Honors English 10  
Eng 11/12 Thematic:  
    Sports & American Culture  
    The Maine Outdoors  
    Dystopian Literature  
    Through a Feminist Lens  
    A Study of Stephen King  
    Technical English  
    Monsters, Myths and Melodrama  
    Human Versus Nature  
    Poetry  
    The Mystery Project/Who-Dun-It  
AP Language & Composition  
AP Literature & Composition

## Social Studies Courses

Global Village  
Honors Global Village  
U.S. History  
Honors U.S. History  
AP U.S. History  
Government  
Honors Government  
AP U.S. Government & Politics  
Economics  
Honors Economics  
The Rise of Modern Europe and the West  
The World Wars and Cold War Conflicts  
Vietnam War  
Psychology  
Sociology  
Mock Trial  
Maine Studies  
Current World Events:  
    -Crime & Punishment in America  
    -Camden Conference in the Classroom  
AP Human Geography

## Language Courses

French I, II, III, IV  
Latin I, II, III, IV  
Spanish I, II, III, IV, V

## Math Courses

Algebra I  
Geometry  
Honors Geometry  
Algebra II  
Honors Algebra II  
Calculus  
AP Calculus  
Discrete Math Topics  
Precalculus  
Trigonometry  
Probability & Statistics  
AP Statistics

## Science Courses

Lab Earth Science  
Honors Lab Earth Science  
Lab Biology  
Honors Lab Biology  
AP Biology  
Lab Chemistry  
Honors Lab Chemistry  
AP Chemistry  
Lab Physics  
Honors Lab Physics  
AP Physics  
Human Anatomy & Physiology  
Aquatic Biology  
AP Environmental Science

**NJROTC – HS0103A, HS0103B, HS0103C****Naval Junior Reserve Officer Training Program****One Year /1.5 credit  
Grades 9-12**

Bonny Eagle students taking NJROTC for the first time will be in level 1. Returning students will either take level 2, 3 or 4. The Naval Science 2, 3 and 4 courses also include annual training in Behavioral Awareness and continued emphasis on physical fitness.

- Understand ways to resist negative peer pressure and support others.
- Appreciate the ethical values that underlie good citizenship.
- Develop leadership potential and learn to live and work cooperatively with others.
- Think logically and communicate effectively both orally and in writing.
- Become familiar with military history as it relates to America's culture and with the history, purpose, and structure of the military services.
- Understand the importance of high school graduation to a successful future.
- Learn about college and other advanced educational and employment opportunities and develop the skills necessary to work effectively as a member of a team.

**SAT Prep – HS0102****One Trimester/.5 credit  
Grades 9-12**

Students in this class will learn and practice proven SAT testing strategies, as well as the format, scoring and content of the test. This class involves going over a large amount of practice SAT material. Some class time is spent on developing a target SAT score and a personal plan of study to continue studying after the trimester is over. If you are stressed out about the test or just want to be as prepared as possible, this class is for you.

**JMG COURSES****JMG A – HS0100A****Two/Three Trimesters/1-1.5 credit  
Grades 9-12****Prerequisite. Completed Application, Interview and Specialists approval.**

Do you like helping your community? Do you want to learn about the career opportunities in your community? Do you like to learn in a hands-on setting?

This course is a two trimester course dedicated to helping students create positive relationships with their peers, teachers, and community members. Through team building competitions, discussions, hands-on projects, and volunteer activities we learn the social skills necessary to be successful in today's workforce.

Last year some of our favorite volunteer projects included carving 300 pumpkins for Camp Sunshine, helping the hungry in our community, and going to Thomas College for our annual convention. JMG A will focus on finding your strengths and interests and working on your interpersonal skills to help you do better in school and the work force. Come join the JMG family and help us find more ways to connect to our community!

Learning Standards: CED 1, 3 NCDG CM 1,2,3,4

**JMG B – HS0100B****Two/Three Trimesters/1-1.5 credit  
Grades 9-12****Prerequisite. Successful completion of JMG A**

This is the 2nd part to the JMG program. In this section you move from learning about one's strengths and move to making a plan for the rest of high school and beyond. Community service and helping others remains a main focus with many opportunities to help those in our community.

Learning Standards: CED 2, 3 NCDG CM 1,2,3,4

**JMG Personal Finance – HS0101****One Trimester/.5 credit  
Grades 11-12 (10th grade by teacher recommendation)****Prerequisite. Successful completion of JMG**

In this course JMG students who have completed JMG A or B will have the opportunity to learn about personal finance through hands on projects and group work. While in the course students will still have opportunities to do help others in our community. Topics covered include: managing a checking account, establishing and maintaining good credit, buying a car, renting an apartment, evaluating insurances, filing income tax returns, and budgeting.

Learning Standards: CED 3, 4 NCDG CM 1,2,3,4

**College & Career Readiness**

A college and career ready student possesses the content knowledge, strategies, skills, and techniques necessary to be successful in a postsecondary, career and work setting.

As in other departments, we are in the process of adapting a performance based grading system. Our courses are all designed to prepare students for college and career readiness. As we transition to this system, standards and performance indicators are subject to change

## BUSINESS COURSES

*Hey you! Yes, you! What can we do to help you prepare for your future? No matter what field you intend to pursue from aeronautics to construction, from medicine to finance, from education to owning your own business we have courses that are relevant to your career path. Check them out, then, come on down and talk with us about what we can do for you!*

### Microsoft Office – HS0104

**One Trimester/.5 credit**  
**Grades 9-12**

Think about how much you use Google every day at school. All the time, right? When you leave high school you will probably say goodbye to Google and hello to MicroSoft Office. MicroSoft Office is the software program that most companies use today. In fact, the person interviewing you for a business job may ask if you know how to use MicroSoft Word, Excel and PowerPoint. Impress them by saying that you mastered these skills in high school! Completing this course will allow you to confidentially enter the work world knowing how to use the software program that dominates the business world.

Course Standards: CED Standard 1

### Law and You – HS0107

**One Trimester/.5 credit**  
**Grades 9-12**

This course covers valuable topics that most young adults will encounter in the next few years. Study will cover true situations that show how personal and business law impacts the lives of young people and adults. This course will help you achieve an understanding of legal principles you will use throughout your life. Units covered will be: Crimes & Torts, contract and consumer law, marriage/divorce, renting and employment law, including discrimination. Textbook discussion, videos, on-line research, movies, current court cases and guest speaker will be used throughout the course.

Course Standards: CED 3

Additional services available:  
Apprenticeships  
ASVABs  
Career Research  
Employment Advising  
Internships  
Job Shadows

## FAMILY & CONSUMER SCIENCE COURSES

### Accounting I A – HS0105A

### Accounting 1 B – HS0105B

**One Trimester/.5 credit (each)**  
**Grades 9-12**

Did you know the largest area of study in colleges and universities across the United States is some type of business related courses. Whether it be Management, Marketing, Finance, Sales or many other areas, business related courses continue to be the top choice for many students. All these choices have one thing in common, they ALL will REQUIRE students to take Accounting Courses. Get a leg up on your future classmates. The exact same concepts and principles you will find in the College classroom are taught here at BEHS. Accounting at the post secondary level can be extremely challenging, so why not start your journey now and make life easier for yourself in the future. Accounting is also great for anyone who wants to learn the concepts of maintaining your financial records and tracking your money. If you were going to major in a foreign language in college, wouldn't you take that language in High School?

Course Standards: CED Standard 1

### Entrepreneurship & Marketing – HS0201

**One Trimester/.5 credit**  
**Grades 10-12**

Have you ever thought about wanting to work for yourself or being your own boss? Do you have a unique idea for a business and want to know what it takes to start up a business? Entrepreneurship is the term used of someone who strikes out on their own to start their own business. Something all Entrepreneurs need to understand is the importance of marketing. The best ideas and products in the world would not succeed without the understanding of marketing concepts. There is a saying in business, "You don't sell the steak, you sell the sizzle!" Marketing is all about selling the "Sizzle" of the business of our choice. You will complete a Business Plan for the business of your choice from start to finish; the end goal is to have a product you could "take to the bank". Some of the richest people in the world are all Entrepreneurs, WHY NOT YOU?

Course Standards: CED Standard 1,2

## EXTENDED LEARNING OPPORTUNITIES (ELO)

### Extended Learning Opportunities (ELO)

The curriculum is designed to prepare students for every aspect of entering and succeeding in the workplace and focuses on post high school planning for career/college readiness.

### School to Work Experience I A – HS0300A

### School to Work Experience I B – HS0300B

### School to Work Experience II – HS0301

**One class per trimester/.5 credit each**  
**Grades 11-12**

**Prerequisite: 16 years old and employed or seeking employment**  
Students will participate in class with instruction related to the "World of Work and Careers". Part of your time may be at a worksite. The teacher/coordinator of the ELO program will meet with your work site supervisor throughout the trimester. Work requirement is on a part time basis up to 15-24 hours per week. This may be a first time work experience or reflect your career interests. Students must have reliable transportation and maintain a good attendance record at school and on the job site. A collaborative training agreement to be entered by: the school, employer, parent and student. Students may earn credit in addition to class credit for work experience completed during the trimester.

**HS0300A** students will assess their skills and demonstrate How to find, apply for and secure employment for career Options.

**HS0300B** students will further research their post high school career and work planning through a variety of resources.

**HS0301** Students will use a variety of work and materials to build a comprehensive personal professional portfolio.

### Job Experience – On the Job Training - HS0302

Work credit will be determined by the ELO coordinator. This course is added to a student's schedule within two weeks of trimesters start date, upon confirmation from the course instructor to the school counselor. Students can earn credit for on the job work experience. In addition to your School to Work Experience class you may be employed by a bona fide



business in accordance with a student-trainee work agreement recognized by the Maine Bureau of Labor Standards. If you secure a part time job, you will be able to work 10 to 24 hours per week. As an employee you will perform duties on the job in accordance with the rules and regulations set forth by the employer, course learning standards and evaluations.

Course Standards: CED 1,2,3

## Financial Awareness

### – HS0710

*Satisfies the Financial Literacy graduation requirement*

**One Trimester/.5 credit**

**Grades 11-12**

This is a required course that is designed to give students the knowledge and skills to make financial decisions that will lead to success in personal life, education, work and citizenship roles. Topics include: Money Management, Borrowing, Earning, Power, Financial Services and Insurance. This course can also be applied to Social Studies credit.

Course Standards: CED 4, Social Studies 4

## Advanced Financial Awareness

### – HS7511

**Prerequisite:** *Financial Awareness OR On Your Own OR JMG Personal Finance*

This is an elective course that is designed to give students enhanced knowledge and skills to make thorough, practical, and thoughtful financial decisions that will lead to the highest chance at success in personal life, education, work and citizenship roles. Topics include in-depth college and career planning, comprehensive budgeting techniques, and advanced financial planning strategies. This course can also be applied to Social Studies credit.

Course Standards: CED 4, Social Studies 4

*Family and Consumer Science education empowers individuals and families to manage the challenges of living and working in a diverse society. Our unique focus is on families, work, and their interrelationship.*

## Foods for Wellness

### – HS0108

**One Trimester/.5 credit**

**Grades 9-12**

This course explores the fundamentals of cooking delicious, healthy foods. Working in groups, the students will learn basic cooking skills, nutrition information to make more informed food choices, and acquire consumer skills to make the most of their food dollars. The course emphasizes the

value of working as a productive, unified team. Meal planning is an important element. The students will plan, prepare and evaluate a breakfast, lunch and guest dinner.

Course Standards: CED 1 FACS: 8.2,9,3,14.2

## Culinary Arts

### – HS0202

**One Trimester/.5 credit**

**Grades 10-12**

**Prerequisite:** *Foods for Wellness*

This advanced foods course includes a detailed study of American and foreign cooking techniques. Students will work in teams to prepare nutritious appetizers, salads, soups, breads, meats, garnishes and gifts from the kitchen. Students will explore career paths in the foodservice industry through lab participation, demonstrations, group and individual projects and reflections.

Course Standards: CED 3

FACS: 8.1.1, 8.2.7, 8.5.2, 8.5.4, 8.5.12, 8.5.14

## The World of Children

### – HS0203

**One Trimester/.5 credit**

**Grades 10-12**

**Prerequisite:** *Health*

Students will study children and learn some of the skills necessary to pursue a career in education, social work or health care. Students will also study parenting and the effects on child development. Class requirements include but are not limited to child observations, a parent interview, 48 hours with a computerized baby and a six hour child care internship. The goal of this class is to develop strategies that can be used to promote the healthy growth and development of children of all ages.

Course Standards: CED 2 FACS: 4.2.1, 4.3.6, 15.1.2, 15.2.4

## On Your Own: Life Planning & Management Skills

### – HS0204

*Satisfies the Financial Literacy graduation requirement*

**One Trimester/.5 credit**

**Grades 11-12 (10th grade by teacher recommendation)**

This financial planning course will help make the transition from high school to life after BE easier by giving the student a solid foundation in independent living and money management skills. Topics included are: Career explorations and decision making, costs of secondary education, protecting your identity, checking and savings accounts, credit, buying a car, renting an apartment, evaluating insurance options, filing income taxes and creating and living with a budget. The final project is a personal financial plan designed by the student.

Course Standards: CED 4

## Food Safety Internship

### – HS0303

**One Trimester/.5 credit**

**Grades 11-12; not recommended for Vocational students already enrolled in Culinary Arts**

**Prerequisite:** *Foods for Wellness, Culinary Arts, teacher recommendation*

This course provides students with the opportunity to dive deeper into the world of food safety. Students will complete a self-paced study through the National Restaurant Association's 7th Edition Course book, culminating in a chance to take the nationally recognized ServSafe Food Manager test. Students who successfully pass the test will receive their Food Manager certification, potentially boosting their employment opportunities right out of high school. Interns will assist other students enrolled in the Foods for Wellness classes with knife skills, food safety, kitchen basics and beginning cooking skills. Interns will also be provided the opportunity to cook, and create their own dishes during class labs.

Course standards: CED 2 and Food Safety TBD

BE Career and Education Development Graduation Standard Education, Career and Life Roles

## The Homestead and the Kitchen

### – HS0109

**One Trimester/.5 credit**

**Grades 10-12**

**Prerequisite:** *Foods for Wellness*

This will be a cross-curricular class, with students spending 6 weeks with the Technology and Engineering Department and 6 weeks with Family and Consumer Sciences. For the T/E component, students will learn about the hands-on applications of homesteading and food production. This could include hydroponics, tools for maple syrup producing, developing/maintaining a garden/plants, designing and building a greenhouse, designing and building cooking methods, and/or other hands-on projects that will assist in the understanding of homestead living and producing food and sustainability for daily life. During the six weeks in Family Consumer Sciences, the students will discuss and perform a variety of homesteading kitchen ideas, including food preservation and meat processing, beekeeping, gardening, foraging, maple syrup production, homemade body care and cleaning products, and sewing and knitting basics.

Course standards: TBD

*The English Department's Program of Studies is designed to help all students acquire the skills and knowledge outlined in the English and Language Arts section of the BEHS Standards.*

During the course of their four years at BEHS, students will read widely in a variety of genres: the short story, poetry, the novel and non-fiction. Also, all students will have the opportunity to develop writing skills in a variety of modes, in particular argumentation and exposition.

Honors courses in grades 9-12 and two Advanced Placement courses are offered to those students willing to take on these challenges. Grade 11 & 12 students who do not select Honors or AP classes will have the opportunity to choose electives based on student interest.

Whichever courses students choose, classes are geared to teach students to read insightfully, write clearly and logically, access information in a variety of ways, and increase their knowledge of American and world cultures.

## Literacy Program

Students who have not yet met the required reading goal will be assigned to one of five literacy strategy classes. All Literacy classes are focused around a high-interest young adult novel and designed to not only improve over-all reading abilities but also equip students with skills and knowledge they can easily transfer to other classes

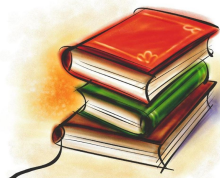
## English 9 A

– HS1100A

**One Trimester/.5 credit**  
**Grade 9**

This course is designed to prepare all students for post-secondary instruction. Students will complete three units of study: writing, the novel and vocabulary. Novels may include Harper Lee's *To Kill a Mockingbird*, John Steinbeck's *Of Mice and Men* or an equivalent text with an emphasis on literary analysis. Students will review the essay format with a required expository writing piece. In addition, students will use the Sadlier-Oxford Vocab Workshop.

Course Standards: BE 1A,C,D, 2A, 4C,G



## ENGLISH COURSES REQUIRED FOR GRADUATION

Grade 9 & 10 students must complete the following English classes: English 9 A & B OR Honors English 9 A & B; and English 10A & B OR Honors English 10A & B. Grade 11 & 12 students have two choices:

1. Complete four of the upper thematic courses listed below based on student choice and interest; OR
2. Select an Honors and or Advanced Placement pathway and take the following:
  - a. Grade 11: Honors 11 A & B OR AP English Language (open to Grade 11 only)
  - b. Grade 12: Honors 12 A & B OR AP English Literature (open to Grade 12 only)

## English 9 B

– HS1100B

**One Trimester/.5 credit**  
**Grade 9**

**Prerequisite: English 9 A**

Students will complete two literature units and two writing units. Students will read and analyze two texts: a self-selected text and one play, *Romeo and Juliet*. Students will write a literary analysis essay and an argumentative essay, with a focus on the writing process. Students will continue to include a study of grammar and vocabulary.

Course Standards: BE 1A,C, D,E, 2A, 3A,B, 4C,G

## Honors English 9 A

– HS1101A

**One Trimester/.5 credit**  
**Grade 9**

This course allows motivated students to challenge themselves in reading, writing and discussion. Students will complete four units of study: writing, the novel, drama and vocabulary. Novels and drama may include *Never Let Me Go* and *Antigone*, with an emphasis on literary analysis and MLA formatted research. Students will review the essay format with a required expository writing piece. In addition, students will use the Sadlier-Oxford Vocabulary Workshop. Summer reading will be required.

Course Standards: BE 1A,C,D, 2A, 4C, G

## Honors English 9 B

– HS1101B

**One Trimester/.5 credit**  
**Grade 9**

**Prerequisite: English 9 A**

This class builds on the skills and knowledge developed in Honors 9A. Students will complete three literature units and two writing units. Students will read and analyze two novels: *Catcher in the Rye* and a self-selected text and one play, *Romeo and Juliet*. Students will write a literary analysis essay and an argumentative essay, with a focus on the writing process. Students will continue to include a study of grammar and vocabulary.

Course Standards: BE 1 A,C,1D,1E, 2 A, 3 A,B, 4 C,G

## English 10 A

## – HS1200A

**One Trimester/.5 credit**  
**Grade 10**

**Prerequisite: English 9 A&B**

Building on the skills and knowledge developed in English 9A & B, students will continue to improve their reading, writing and language skills. Students will complete four units of study: an interdisciplinary study of the Holocaust centered on Elie Wiesel's *Night*, an exploration of a variety of types on non-fiction, a study of a variety of types of poetry and an argumentative essay. Each unit will involve expository writing. Students will continue to develop their skills in expository and personal writing, including constructed responses and on-demand essays.

Course Standards: BE 1B,C, 2A, 4

## English 10 B

– HS1200B

**One Trimester/.5 credit**  
**Grade 10**

**Prerequisite: English 10 A**

Students will complete three units of study: the novel, drama and research. Novels may include Cisneros's *The House on Mango Street*, Golding's *The Lord of the Flies* and/or a variety of fiction texts. Drama may include Shakespeare's *Julius Caesar*, *Othello* or an equivalent classic text of equal literary merit. Students will complete a research paper on a poet of their choice.

Course Standards: BE 1C,D, 2A,F, 3A,B,C, 5A,B

## Honors English 10 A

– HS1201A

**One Trimester/.5 credit**  
**Grade 10**

**Prerequisite: English 9 A&B**

Building on the skills and knowledge developed in English 9A & B and the Honors challenge, students will continue to improve their reading, writing and language skills. Students are responsible for completing a summer reading assignment and submitting this material on the first day of class. They will complete four units of study: an interdisciplinary study of the Holocaust centered on Elie Wiesel's *Night*, an exploration of a variety of types on non-fiction (drawn from both the Glencoe textbook and contemporary sources), and study of a variety of types of poetry, and an argumentative essay. In addition students will continue to develop their skills in expository and personal writing, including constructed responses and on-demand essays.

Course Standards: BE 1B,C, 2A, 4

**Honors English 10 B  
– HS1201B****One Trimester/.5 credit  
Grade 10****Prerequisite: English 10 A**

Students will complete three units of study: the novel, drama, argumentation, and research. Novels may include Cisneros's *The House on Mango Street*, Golding's *The Lord of the Flies* and/or a variety of fiction texts. Drama will include at least one Shakespearean play (*Julius Caesar*, *A Midsummer Night's Dream*, or *Othello*). Students will write often, included constructed responses. Students will complete both a source-based argumentative essay and a New England research paper, in which they trace a common theme in a New England painter, poet and artist.

Course Standards: BE 1C,D, 2A,F, 3A,B,C, 5A,B

**Honors English 11 A  
– HS1301A****One Trimester/.5 credit  
Grade 11****Prerequisite: English 10 A&B**

This course is designed to provide motivated students the opportunity to read broadly and write often. Students will read and analyze a wide variety of challenging fiction from the American literary canon, including essays by Ralph Waldo Emerson and Henry David Thoreau and F. Scott Fitzgerald's *The Great Gatsby*. Students will write literary analyses and a formal argumentative essay. This class includes a formal study of grammar. Vocabulary will be studied in context. Students are required to complete reading over the summer in preparation for this course.

Course Standards: BE 1C,D,E, 2B, 3A,B,C,D, 4A,C,F,G

**Honors English 11 B  
– HS1301B****One Trimester/.5 credit  
Grade 11****Prerequisite: English 11 A**

This course continues the study of American literature. However, the focus is on non-fiction and writing using academic sources. These readings will be the basis of a synthesis essay, as well as shorter literary analyses. Students will also write and present a persuasive speech. This class also continues the formal study of grammar as it pertains to student writing and vocabulary in context.

Course Standards: BE 2D, 3A,B,C,D, 4C,F,G, 5A,B,C

**English 11B- ELA Pathways  
– HS1303B****One Trimester/.5 credit  
Grade 11****Prerequisite: English 11 A**

In this Pathway option, students who attend Westbrook Regional Vocational Center as a junior may earn their 11B English credit through the completion of a digital portfolio that compiles the reading, writing, speaking, and listening work completed in their WRVC Tech 1 program. Students in this program will work with the Pathways English teacher to create the digital portfolio, following a checklist of assignments that demonstrate specific grade 11 ELA standards and performance indicators. Students will edit and revise the written work in their portfolios as needed, following standard MLA format and citations. At the successful completion of the portfolio, students will earn a .5 English 11B credit.

Course Standards: BE 1C,D, 2A,F, 3A,B,C, 5A,B

**Honors English 12 A  
– HS1401A****One Trimester/.5 credit  
Grade 12****Prerequisite: English 11 A&B**

This course is designed to challenge students who have a passion for reading and writing. Students will read and analyze a variety of fiction from British and world literature. Selections will include *Beowulf*, Shakespeare's *Macbeth* and *Hamlet* and a selection of poetry. Students will use informal class discussions and formal written literary analysis to voice their exploration of the text. Nonfiction reading will focus on published essays by writers such as George Orwell, David Sedaris, and Langston Hughes. From this study, students will create their own personal narrative/college application essay. This class includes a formal study of grammar and vocabulary will be studied in context.

Course Standards: BE 1C,D, 2A,C,D,E, 3A,B,C,D,E, 5A,B,C

**Honors English 12 B  
– HS1401B****One Trimester/.5 credit  
Grade 12****Prerequisite: English 12 A**

This course is designed to build on the skills and knowledge student's gain in Honors 12A. Students will read and analyze a variety of fiction from British and world literature. Selections may include Dickens' *A Tale of Two Cities* or an equivalent text, Orwell's *1984*, and Remarque's *All Quiet on the Western Front*. Other titles will be included as time and student interest allow. Students will write literary analyses, argumentative essays and an argumentative research paper on a book of their choice. This class includes a formal study of grammar and vocabulary will be studied in context.

Course Standards: BE 1C,D, 2A,C,D,E, 3A,B,C,D,E, 5A,B,C

**English 12B- ELA Pathways  
– HS1403B****One Trimester/.5 credit  
Grade 12****Prerequisite: English 12 A**

In this Pathway option, students who attend Westbrook Regional Vocational Center as a senior may earn their 12B English credit through the completion of a digital portfolio that compiles the reading, writing, speaking, and listening work completed in their WRVC Tech 2 program. Students in this program will work with the Pathways English teacher to create the digital portfolio, following a checklist of assignments that demonstrate specific grade 12 ELA standards and performance indicators. Students will edit and revise the written work in their portfolios as needed, following standard MLA format and citations. At the successful completion of the portfolio, students will earn a .5 English 12B credit.

Course Standards: BE 1C,D, 2A,C,D,E, 3A,B,C,D,E, 5A,B,C

**Journalism A  
– HS1608A****One Trimester/.5 credit  
Grades 9-12**

This course serves as an introduction to news reporting and writing skills. Topics covered include news writing, feature writing, editorial writing, photography, layout and design, and related skills involved in putting out a newspaper. Students enrolled in this class will help produce *The Eagle Times*, BEHS's award-winning newspaper and maintain the newspaper website.

Course Standards: BE 4A,B,C,F,G, 5A,B,C

**Broadcast Journalism B  
– HS1608B****One Trimester/.5 credit  
Grades 9-12**

This class builds upon the skills learned in Journalism A and will revolve around students producing video and podcasts for publication on the website of the school newspaper, [behstimes.org](http://behstimes.org). Students may take this class without having completed Journalism A with the permission of the instructor.

Course standards: BE 4A,B,C,F,G, 5A,B,C, 6A,B



**Creative Writing I****– HS1606****One Trimester/.5 credit  
Grades 9-12**

This course is designed to help students improve their writing skills in an interactive writers' workshop format. Students will write in multiple genres that may include poetry, short stories and one act plays as well as multiple prompted writing exercises. An oral presentation of student work is expected and a portfolio of their work is to be kept.

Course Standards: BE 4B,D,E,G.

**Creative Writing II****– HS1607****One Trimester/.5 credit  
Grades 9-12**

While building on experiences gained in Creative Writing I, students will continue to improve their writing skills in Creative Writing II. Once again, an interactive writers' workshop format will be utilized. Collaborative writing will assist in strengthening writing skills and individual opportunities for longer independent works will be assigned. In addition, a variety of student assignments in multiple genres will result in a portfolio of completed writing.

Course Standards: BE 4B,D,E,G.

**AP English Language & Composition A, B & C****– HS1500A, HS1500B, HS1500C****One Trimester/.5 credit (each) Grade 11 or instructor's consent****Prerequisite: English 10 A&B or Honors 10 A&B****Required to complete summer reading and to take AP exam in May.**

This introductory, college-level advanced placement course requires that students read and carefully analyze a broad and challenging range of non-fiction prose selections written in a variety of periods, disciplines, and rhetorical contexts, as well as selected major works of American literature. Through close reading and frequent writing, students will deepen their knowledge of how writers create meaning in their work. A writing process format, with an emphasis on frequent writing conferences and multiple drafts, will help students strengthen their own writing skills.

Standards: Beyond the state required standards and covers a college level curriculum.

**AP English Literature & Composition A, B & C****– HS1501A, HS1501B, HS1501C****One Trimester/.5 credit (each) Grade 12 or instructor's consent****Prerequisite: English 11 A&B, Required to take the AP exam in May.**

This year-long course allows motivated students the opportunity for college level work while still in high school. To this end, the course follows the requirements as articulated in the College Board's AP English course description. The class includes the study of British Literature, frequent lengthy reading assignments, frequent writing assignments (both timed essays and longer out of class essays), the formal study of grammar, and the study of the Bible as Literature.

Course Standards: Beyond the state required standards and covers a college level curriculum

**Eng: Sports & American Culture - HS1404****One Trimester/.5 credits  
Grade 11-12**

This course will explore both the way American sport has reflected and shaped American culture. Students will read and analyze a range of non-fiction and fiction, including essays, short stories, poems and a novel. Students will also read and analyze contemporary news articles about issues involving sports from publications such as *The Portland Press Herald* and *Sports Illustrated*. While specific texts will vary from year to year, works may include such titles as Miller's *Death of a Salesman*, Wilson's *Fences*, and Padian's *Out of Nowhere*. Students will also read a book from a pre-approved list (fiction or nonfiction) and write a literary analysis of it. Finally, students will research a controversial topic current at the time (e.g. paying Division One athletes in money-making sports) and present an argumentative speech based on their findings.

**Eng: The Maine Outdoors - HS1405****One Trimester/.5 credits  
Grade 11-12**

This course will explore the way that writers, artists, and others have portrayed the Maine landscape. Students will read and analyze a range of fiction, non-fiction and art. While specific texts will vary from year to year, works may include such titles as Thoreau's *The Maine Woods*, Sarah Orne Jewett's *Country of the Pointed Firs*, Ruth Moore's *Candlemas Bay*, excerpts from Edward Ware Smith's *The One Eyed Poacher and the Maine Woods*, Paul Doiron's *Trespasser*, and the paintings of Frederick Edwin Church and Winslow Homer. In addition this course will use resources available through [The Maine DOE's Resources for Native American Studies](#). Students will plan, write and revise two essays: a literary analysis of one of the texts, and an argumentative essay that takes a position on an issue about the Maine landscape. Current options might include Clean Energy Connect, new Federal Regulations that affect the Maine Lobstering Industry in an effort to protect the Right Whale, and the proposal to build a large aquaculture plant in Frenchman's Bay. Students will also prepare and deliver a presentation based on the information they gather for their research.

**Eng: Dystopian Literature****- HS1406****One Trimester/.5 credits  
Grade 11-12**

This course will explore dystopian fiction, a genre of literature that portrays an imagined future where the illusion of a perfect society is used to mask the oppressive control that those in power hold over the lives of everyday citizens. Readings will include both classic dystopian novels, such as Orwell's *1984* and Atwood's *The Handmaid's Tale*, as well as contemporary young adult dystopian novels, such as Collins' *The Hunger Games* and Roth's *Divergent*, and the graphic novel *V for Vendetta* by Alan Moore and David Lloyd. Specifically in young adult dystopias, it is adolescents who work to overthrow the regimes that control their societies. Using these novels, students will explore the ways in which dystopian fiction mirrors real-world societal concerns and the ways in which people, oftentimes adolescents specifically, react to these issues. In addition to reading a minimum of three dystopian novels, students will write one literary analysis essay and will create one presentation examining the societal issues presented within the texts and connecting them to real-world examples from history and present-day.

**Eng: Through a Feminist Lens  
- HS1407****One Trimester/.5 credits  
Grade 11-12**

This course will explore the fiction and nonfiction literature that has accompanied the four waves of feminism in American history. Using non-fiction texts from the nineteenth and twentieth centuries, such as speeches from the Seneca Falls Convention and Betty Friedan's *The Feminine Mystique* - in addition to fiction texts such as Chopin's *The Awakening*, short stories, and Hurston's *Their Eyes Were Watching God* - this course will explore the impact on literature and history of the four waves of feminism. Using these texts, students will explore the ways in which feminist fiction mirrors real-world societal concerns and the ways in which women created change in society. In addition to reading a minimum of three novels, students will write one literary analysis essay and will create one presentation examining the societal issues presented within the texts and connecting them to real-world examples from history and present-day.

**Eng: A Study of Stephen King  
- HS1408****One Trimester/.5 credits  
Grade 11-12**

This course will explore the various works of Stephen King, Maine's most prolific writer. While King is known as the master of horror, his texts - both fiction and nonfiction - explore the many facets of the human experience. In addition to his nonfiction text *On Writing*, readings will include one of King's novels, *The Green Mile* or a similar text, as well as multiple short stories such as "The Body" and "Rita Hayworth and Shawshank Redemption." Students in this course will write a personal narrative, a literary analysis essay, and will create one presentation examining a societal issue presented within the texts and connect it to real-world examples.

**Eng: Technical English  
- HS1409****One Trimester/.5 credits  
Grade 11-12**

This course will explore the various types of reading, writing, speaking, and listening skills students will need to communicate effectively in the professional workplace. It will cover the core literacy and language skills required to be successful in various technical, corporate, trade, and entry level positions. Students will read and write technical texts and documents, emails, memos, newsletters, proposals, work orders, and complete presentations with real world applications. This course provides students with multiple opportunities to read, write, present, and use a variety of texts for a purpose that is unique to their interests and future working lives.

**Eng: Monsters, Myths, and  
Melodrama****- HS1410  
One Trimester/.5 credits  
Grade 11-12**

Eerie tales have bewitched readers and shaped writers all over the world. This course focuses on the major themes found in Gothic literature and demonstrates how they create a suspenseful environment for readers. It presents some of the recurring themes and elements found in the genre. As they complete the course, students gain an understanding of and an appreciation for the complex nature of Gothic literature. Works and excerpts may include mythological and modern texts such as Irving's "The Legend of Sleepy Hollow," Poe's "The Fall of the House of Usher," Stevenson's *Dr. Jekyll & Mr. Hyde*, Stoker's *Dracula*, King's *The Shining*, and Saadawi's *Frankenstein in Baghdad*, and more. The focus of the course will be understanding of the way texts create meaning, on writing for analytical, argumentative, personal, and creative purposes, and on developing vocabulary and language.

**Eng: Humans Versus Nature  
- HS1411****One Trimester/.5 credits  
Grade 11-12**

This course will explore modern nonfiction specifically in the area of survival stories. Specific texts will vary from year to year, but works may include such titles as Krakeur's *Into the Wild*, McDougall's *Natural Born Heroes* by Chris McDougall or *Born to Run*, Finkel's *The Strange and Curious Tale of the Last True Hermit* Bryson's *A Walk in the Woods*, Junger's *The Perfect Storm* and Strayed's *Wild* as well as independent reading. Students will plan, write and revise three essays: two literary analysis of the texts, and a compare and contrast essay examining the different texts. Students will also prepare a presentation about survival strategies or other historical survival stories.

**Eng: Poetry  
- HS1412****One Trimester/.5 credits  
Grade 11-12**

This course will explore poetry as both written and spoken language. Students will read, write, analyze, and view various classic and modern poetry covering a variety of styles and human experiences. Students will participate in reading and writing workshops and complete a research project on a poet of their choice. As a culminating activity, students will explore their own voices, creating a chapbook of their original poetry. At the end of the course, students will participate in a Poetry Slam and choose one poem to read outloud to the class. One student will have the opportunity to participate in Maine Poetry Out Loud, a statewide poetry competition.

**The Mystery Project/Who-Dun-It  
- HS1413****One Trimester/.5 credits  
Grade 11-12**

This class will tap into our love of mysteries. Students will read both classic mystery writers like Agatha Christie as well as more contemporary works. While reading, students will develop a deeper understanding of plot, character development, conflict, theme, and other elements of literature. Students will be given the chance to discuss their own mysterious events, and the class will analyze them with proper reasoning skills.

*Courses names that begin with "Eng:" can be counted towards English credit as well as elective credit.*

## VISUAL ARTS COURSES

### Art I: Survey

– HS9121

**One Trimester/.5 credits**  
**Grade 11-12**

This is a survey course designed for students who wish to have a basic introduction to visual art. This course includes an exploration of the foundation of arts with an introduction to a variety of media and methods in two and three dimensions. Instruction is based on the student's needs and teacher's strengths, with an emphasis on skill development, problem solving and art appreciation. Digital portfolios will be introduced along with the software for creating works of art.

Course Standards: VPA 1,2,3,4

### Art I: 2D

– HS9122

**One Trimester/.5 credit**  
**Grades 9-12**

This Art I course explores different media disciplines in two dimensions. Students will increase their understanding and appreciation of art through both responding and making two dimensional visual images. Disciplines explored could include but is not limited to: painting, drawing, printmaking, collage, scratchboard, and mixed media..

Course Standards: VPA 1,2,3,4

### Art I: 3D

– HS9123

**One Trimester/.5 credit**  
**Grades 9-12**

This Art I course involves the creation of artistic pieces in three dimensions. Students are introduced to several traditional sculpture methods that may include materials such as clay, stone, metals, found objects and 3D printed forms. Students will participate in group and individual critiques to further engage in critical and expressive dialogue. This class will also have an emphasis on research as a way to deepen each student's understanding and comprehension of techniques and artistic appreciation.

Course Standards: VPA 1,2,3

### Art 1: Photography

– HS9124

**One Trimester/.5 credit**  
**Grades 9-12**

This course is an introduction to the foundations of visual art through the lens of photography. Students will also study the 3 aspects of exposure, develop creative thinking and art appreciation skills, and build/add to an online portfolio.

Course Standards: VPA 1,2,3

### Media Art I: Illustrator

– HS9125

**One Trimester/.5 credit**  
**Grades 9-12**

This course is an introduction to the foundations of media art through learning Adobe Illustrator (a vector image software). Students will build their portfolio and practice skills in Adobe Illustrator. Emphasis will be placed on creating effective design layouts and will be demonstrated by creating a variety of digital artworks.

Course Standards: VPA 1,2,3

### Media Art I: Photoshop

– HS9126

**One Trimester/.5 credit**  
**Grades 9-12**

In this course students will learn to effectively pair traditional and digital techniques and tools as a method for visual communication and expression. Students will learn software such as Adobe Photoshop and will use digital cameras, scanners and digital drawing tablets to create visual statements and works of art.

Course Standards: VPA 1,2,3,4

### Media Art I: Video

– HS9127

**One Trimester/.5 credit**  
**Grades 9-12**

Students will learn and develop skills in digital video production. Both individual and group projects will be created. Students will create a narrative short film; a silent film; a commercial; an interview; and a final, free choice film. Students will learn how to shoot well-composed video, record audio for dialogue and sound effects, and edit footage using Adobe Premiere Pro. The students will learn how to write a screenplay, draw a storyboard, and use creativity as they produce projects that deliver distinct messages. Student films may be displayed on BETV.

Course Standards: VPA 1,2,3,4

### Honors Advanced Art

– HS9300

**One Trimester/.5 credit**  
**Grades 11-12**

**Prerequisite:** At least 3 visual/media arts courses

This is a course designed for self-motivated and experienced visual/media art students. Emphasis is placed on portfolio development based on individual strengths.

Course Standards: VPA 1,2,3,4

### Art II: 2D

– HS9130

**One Trimester/.5 credit**  
**Grades 9-12**

This course is an opportunity for students who want to advance to a higher level of understanding and skill development in two dimensional areas. Art 2:2d builds upon the skills and knowledge learned in Art 1:2d. Stronger emphasis is placed on composition and the creation of original artworks. This class will encourage students to look at art analytically and to understand art concepts more thoroughly. Students will be required to participate in class discussions examining famous works from Art History as well as student work in class.

Course Standards: VPA 1,2,3,4

### Art II: 3D

– HS9131

**One Trimester/.5 credit**  
**Grades 9-12**

**Prerequisite:** Art I: 3D

This course is designed for students who have had the Art I: 3D course at Bonny Eagle High School. This course centers around contemporary styles and techniques with emphasis placed on students obtaining the critical and technical abilities to develop a strong individual mode of 3D expression. Students will work to further develop their process of creating three-dimensional works and will focus on creative problem solving while exploring a variety of both traditional and non-traditional materials.

Course Standards: VPA 1,2,3,4

### Art II: Photography

– HS9211

**One Trimester/.5 credit**  
**Grades 9-12**

**Prerequisite:** Art I: Photography

This course will build on the experience of Art 1: Photography. Students will experiment with exposure and subject matter, work in the photographic darkroom, and continue to develop creative thinking and art appreciation skills, and build/add to an online portfolio. Greater focus will be paid to composition and creation and editing of personal work. Students will be required to participate in class discussions examining famous photographs from Art History as well as student work in class.

Course Standards: VPA 1,2,3,4



## Art II: Advanced Video – HS9132

**One Trimester/.5 credit**  
**Grades 9-12**

This course is for dedicated video students who want to further develop their knowledge and skill in the areas relevant to digital video production. A continued study of the editing software, use of digital cameras, audio equipment, and lighting techniques will enhance the projects the students take interest in creating. Working with special visual effects are also components of this class. Projects will include two narrative shorts, a documentary, a music video, and a television pilot. The students will write a treatment, script or storyboard, and have the instructor's approval for each project. Each student will create a portfolio of their work. Student work may be displayed on BETV.

Course Standards: VPA 1,2,3,4

## AP Studio Art:

### 2-D Design

–HS9301A, HS9301B, HS9301C

### 3-D Design

– HS9303A, HS9303B, HS9303C

### Drawing

–HS9302A, HS9302B, HS930C

**One Year (each)/1.5 credit (each)**  
**Grades 11-12**

**Prerequisite:** At least 3 visual/media art courses

**College credit can be earned if you take the AP exam in May.**

This course enables highly motivated students to engage in college-level work in studio art while still in high school. Advanced Placement work includes significantly more time and dedication than most high school courses; therefore, the program is intended for students seriously committed to the study of art.

Course Standards: VPA 1,2,3,4

## THEATRE COURSES

### Unified Theatre

– HS9128

**One Trimester/.5 credit**  
**Grades 9-12**

Unified Theatre is a special focus non-performance-based theatre course in which students with and without disabilities participate in improvisational theatre games and hands-on drama activities that develop and improve on important life skills including self-awareness, empathy, effective communication, collaboration, problem-solving, and flexibility. The course welcomes students who would like to develop these skills as well as students who would like to role model these skills. Students are not required to perform in front of an audience, but students will be supporting the Theatre 1 class in their children's play performances at SAD 6 elementary schools with behind-the-scenes work on sets, props, costumes, lighting and sound.

Course Standards: VPA 2,4

### Film Appreciation

– HS9129

**One Trimester/.5 credit**  
**Grades 9-12**

This is a trimester class for the student that has an interest in learning about the development of film as an art form. An in-depth study is made of the "cinematic language" used by filmmakers to tell stories. The student will view, analyze, and critique various films as they learn how to watch movies as an active viewer, interpret "cinematic language," and understand the impact of film on society.

Course Standards: VPA 3,4

### Theatre I

– HS9103

**One Trimester/.5 credit**  
**Grades 9-12**

*Theatre I: Performance* is an introductory course in which students will participate in a variety of theatre-based experiences. They will develop skills in creative expression and interpretation through improvisational theatre games, script analysis, character development, and scene work. They will also have a chance to experience a live theater performance. The culmination of this work will be performing in a children's play that tours to SAD 6 elementary schools. Participating in the many aspects of theatre will provide a greater understanding of theatre as an art form, theatre's role in society, and theatre's ability to make us better human beings.

Course Standards: VPA 1, 2, 3, 4

### Theatre II

– HS9104

**One Trimester/.5 credit**  
**Grades 9-12**

**Prerequisite: Theatre I**

Theatre II is designed for students who wish to further their knowledge of theatre, with an emphasis on the writing and development of an original performance piece. Students will continue to develop acting skills through work with monologues and will explore directing as a new unit of study. The class will be guided in writing their own performance piece about issues that are relevant to the class. This project culminates in an evening performance for the community. Students who have not taken Theatre I but have extensive theatre background must obtain written permission from the instructor prior to registering.

Course Standards: VPA 1,2,3,4

### Stagecraft

– HS9105

**One Trimester/.5 credit**  
**Grades 9-12**

Stagecraft provides a hands-on learning experience creating the scenery, lighting, props, and costumes for a Bonny Eagle Drama production in the fall, winter, or spring. It is designed for students who are interested in learning about theatre but do not want to perform. Students will learn how to analyze and interpret dramatic literature and express that understanding through design and construction of scenery, props, lighting, and costumes. Students will learn to use technology to research, develop, and document design choices. Participation in the class will provide a greater understanding of the non-performance aspects of theatre as an art form. Students will be exposed to the various possibilities for careers available behind the scenes in entertainment industries.

Course Standards: VPA 1,2,3,4

## MUSIC COURSES

**Concert Band****– HS9108A, HS9108B, HS9108C****One Year or minimum of two consecutive trimesters/1 credit with instructor's consent 1.5 credit  
Grades 9-12****Prerequisite: MS Band or instructor's consent. Requires attendance at all concerts.**

The instrumental music program is open to all students that have had some previous experience playing a band instrument. All groups perform several concerts each year. The Band performs at local community events, sporting events, as well as select festivals statewide and in neighboring states. Students enrolled may audition for various state and national ensemble groups. All instrumental groups perform a variety of musical styles and focus on the individual's role as part of the ensemble. Students are able to take the course at four different assessment levels to ensure progress is being made in their musicianship, regardless of the number of times they have taken the course. Students are encouraged to repeat this course as many times as necessary as the ensemble is dependent upon all group members.

Course Standards: VPA 1,2,3,4

**Ukelele****– HS9118****One Trimester/.5 credit  
Grades 9-12**

Designed for the student who has limited or no musical experience, but has an interest in learning the basics of music through playing the ukulele. It will serve as an introduction to the ukulele, music notation, music theory, and music history. The class focuses on helping the student develop a basic understanding of music. As a performance based class, students will be required to perform on a regular basis. Students should have their own ukulele, but some school owned ukuleles are available for those without one.

Course Standards: VPA 1, 2, 3, 4.

**Music Appreciation  
– HS9110****One Trimester/.5 credit  
Grades 9-12**

This class is designed for the student with little or no training in music with an interest in learning more about how music works and how to talk about it. The class will serve as an introduction to music history, notation, theory, criticism and aesthetics. Students with little or no musical training and those with many years of musical training will benefit from this class. The course will build on the foundation of modern music and current musical trends, and it will encompass topics from Radiohead to African Music to Bach to Gregorian chant. Students will be encouraged to develop a much more creative and educated perspective on music through: listening, discussions, readings, writings, and projects. Students will also have the opportunity to attend a few music performances throughout the semester.

Course Standards: VPA 1,2,3,4  
Literacy Standards: CCSS.ELA-Literacy: .RL.9-10.1 Research Project  
.W.9-10.2,4 Research Project**Music Fundamentals & Theory  
– HS9106****One Trimester/.5 credit  
Grades 9-12****Prerequisite: Band, Guitar, Chorus, Select Chorus, Piano Lab, Music Appreciation or instructor's consent.**

This class will introduce students to the fundamentals of written music and basic to intermediate music theory and will be particularly beneficial for students who are planning on pursuing music as a career. Students will learn and apply knowledge of musical notation, symbols and terminology. Students will analyze music using their understanding of pitch, rhythm, form, texture and harmony.

Course Standards: VPA 1,2,3

**Songwriting****– HS9209****One Trimester/.5 credit  
Grades 10-12**

Study the craft of writing music through analyzing songs in a variety of styles and genres. Students will learn about the creative craft of writing music by acquiring familiarity with music terminology, melody writing, and lyric writing. Students will learn through classroom discussions and examples as well as project oriented assignments, and the creation of a final portfolio of their written music. It is encouraged that students be able to play an instrument or sing, but it is not required.

Course Standards: VPA 1,2,3,4

**Concert Band/Vocal Music  
– HS9111****One Year/1.5 credit  
Grades 9-12**

Designed for those students who will be members of both band and chorus. Students will split their time between the two performance groups. See course descriptions under "Chorus" and "Concert Band" for additional details.

**Piano Lab****– HS9113****One Trimester/.5 credit  
Grades 9-12**

Piano lab is a performance-based class open to beginner and advanced beginner piano students. Through online sites, a modern electronic piano lab, small group and individual instruction, and hands on practice, students will learn the basics necessary to play the piano. Students will learn and apply knowledge of musical notation, symbols and terminology to perform music with greater complexity as the course progresses.

Course Standards: VPA 2

**Guitar Class****– HS9114****One Trimester/.5 credit  
Grades 9-12**

Designed for the student who has limited to intermediate musical experience, and who has the interest in learning the basics of music and playing guitar. It will serve as an introduction to the guitar, music notation and TAB reading, music theory, music history and songwriting. Developed to help students work at their own pace at a variety of different levels, and focuses on helping the student with little musical training, develop a basic understanding of music through learning how to play the guitar at a beginning/intermediate level. Students will be recommended songs to learn and perform weekly, and they will also be encouraged to choose songs that they would like to learn. With three different levels it ensures that all students are progressing in their musicianship regardless of the number of times they have taken the course (Note: there is also an advanced guitar class also offered) Students should have their own guitar, but some school owned guitars are available for those without one.

Course Standards: VPA 1, 2, 3, 4

## Chorus

– HS9115A, HS9115B, HS9115C

One Year or minimum of two consecutive trimesters/1 credit with instructor's consent

Grades 9-12

**Prerequisite:** Required to participate in one performance per trimester and may be required to sing individually or in small groups as part of a final exam.

Chorus is a non-auditioned performance based class in which students are exposed to various styles of music. All students at any level of musicianship are welcome. Students will learn and be expected to demonstrate basic sight singing, music theory, and aural skills as well as proper choral singing technique as we work together to prepare and perform three and four part music.

Course Standards: VPA 1,2

## Select Chorus

– HS9116A, HS9116B, HS9116C

One Year/1.5 credit

Grades 9-12

**Prerequisite:** Acceptance by audition or instructor's consent

\*Participation in this course will take students out of class frequently (occasionally two+ times during the week) and will include some evening and weekend events.

Select chorus is a performance-based class for students seriously seeking to work at a more advanced level and perform more frequently than that of chorus. Through ear training, sight singing, music theory and piano lessons, students will prepare 4+ part music for various performances throughout the year.

Auditions for Select Chorus will take place on or about early spring. Students in select chorus are expected to audition for the District 1 Honors Festival as well as the Maine All State Festival.

Course Standards: VPA 1,2

## Vocal/Instrumental Lab

– HS9119

One Trimester/.5 credit

Grades 9-12

This course is designed for students who have little or no experience playing musical instruments. Students will be taught how to read music notation and play an instrument of their choice, brass, woodwind, percussion and/or strings (subject to availability and/or teacher approval) and voice. Students will work towards weekly goals on their own and with daily instruction from the teacher. The culmination of this course will be a performance of solo repertoire picked for the student's ability and a research project on their chosen instrument. \*Students interested in learning guitar or piano should sign up for Guitar/Piano Class.

## Auditioned Treble Choir

– HS9120

Second & Third Trimesters/1 credit

Grades 9-12

**Prerequisite:** Acceptance by audition and/or instructor's consent

\*Students will be expected to participate in both second and third trimesters

Treble choir is a performance based class for soprano and alto voiced students seeking to work at a more advanced level and perform more frequently than that of chorus. Through ear training, sight singing, and music theory students will prepare 3+ part music for various performances throughout the year.

Auditions for treble choir will take place toward the end of the first trimester.

Students in treble choir will be highly encouraged to audition for the District 1 Honors Festival as well as the Maine All State Festival.

Course Standards: VPA 1,2

## Yearbook Production\* A & B

– HS9210A, HS9210B

Two Trimesters/.5 credit (each)

Grades 10-12

**If you are unable to take both sections of this course, you must speak to the teacher so they may sign off on a one trimester waiver.**

This is a two trimester course, you must sign up for both yearbook production A and B. This course is designed to teach the skills necessary to produce the school yearbook, which offers a complete record of an entire school year. Students will study layout and design techniques. Students will learn strategies of planning, marketing (ad sales) and distribution of the yearbook. Students will work independently and in small groups. Students will be required to meet four publication deadlines from September through March, as well as sell business advertisements. Students will learn good work habits and are 100% responsible for all phases of our yearbook publication.

This is an elective credit not, a Fine Art credit.

Course Standards: VPA 1,2,3,4 ED C

*The Health & Physical Education Programs at BEHS are designed to increase the knowledge and skills that students need to be healthy individuals. Students will learn how to protect their health by learning new information, seeking good friendships and advice, and taking responsibility for their own wellness, which can be instrumental to a healthy, active, and balanced approach to life. Students in all of the Health and Physical Education classes at BEHS will be assessed using the Maine Learning Results.*

## **Foundations of Wellness**

– HS2100

**One Trimester/.5 credit**  
**Grades 9-12**

Designed to help students build the knowledge and confidence necessary to assess their own fitness levels. Students create their own fitness program including aerobic activity, weight and strength training, and focus on specific muscle groups. Students learn about the five components of fitness: cardiovascular endurance, muscular strength, muscular endurance, flexibility, and body composition. Examples of activities include: aerobic exercises, core strengthening techniques, weight training and daily fitness logs.

Course Standards: 1A,D, 4E, 6A,B,C, 7B

## **Fitness Planning & Group Exercise**

– HS2103

**One Trimester/.5 credit**  
**Grades 9-12**

**Prerequisite: Found of Wellness**

This course is designed to help students build the knowledge and confidence necessary to assess their own fitness levels. Students create their own fitness program including aerobic activity, weight and strength training, and focus on specific muscle groups. Students learn about the five components of fitness: cardiovascular endurance, muscular strength, muscular endurance, flexibility, and body composition. Examples of activities include: aerobic exercises, core-strengthening techniques, weight training, and daily fitness logs.

Course Standards: 5A,B,C,D, 7A,C, 8A,B,C

## **Health**

– HS2105

**One Trimester/.5 credit**  
**Grades 9-12**

Designed to give students the knowledge and skills to succeed physically, mentally and socially in life. Students will develop the skills needed to practice and maintain health-enhancing and safe behaviors. Skills include: determining the reliability and validity of media and health resources; being able to communicate effectively by using refusal and conflict resolution skills; recognizing influences on health behavior; setting goals, healthy decision-making; and advocating for health. This will be done by incorporating information from the ten content areas of health: mental health & suicide prevention; alcohol, tobacco and other drugs; family life and sexual health; media/technology and consumer health; injury prevention and safety; and communicable and chronic diseases.

Course Standards: 1C,E,F,G, 2A,B, 3A, , 4B,C,D,F

## **Advanced Health Education**

– HS2200

**One Trimester/.5 credit**  
**Grades 10-12**

**Prerequisite: Basic Health**

Designed to provide students with experience in advanced health concepts. The students will gain AHA certification in CPR/AED/First Aid for Adults, Infants, and Children. Students will also gain knowledge and understanding of additional topics such as mental health/stress; safety and injury prevention; health policies and community health; growth & development, health careers, environmental safety, health advocacy and other innovative health practices and topics.

Course Standards: 1H,I,J, 2C, 4A,C



## **Collaborative & Territorial Activities**

– HS2101

**One Trimester/.5 credit**  
**Grades 9-12**

**Prerequisite: Found of Wellness**

Offers students the opportunity to participate in a variety of sports stressing fitness, personal and social interaction, and knowledge of each activity. Examples of activities include: speedball, basketball, team handball, volleyball, floor hockey, softball, ultimate frisbee, kickball, and table tennis.

Course Standards: 5A,B,C,D, 7A,C, 8A,B,C

## **Lifetime & Recreational Activities**

– HS2102

**One Trimester/.5 credit**  
**Grades 9-12**

**Prerequisite: Found of Wellness**

Offers students the opportunity to participate in a variety of sports they can enjoy individually or as a group. Students will develop team building, problem solving, and leadership skills. This course will stress the importance of being physically active, and focus on the many ways it can improve their overall health throughout their life. Examples of activities include: cooperative games, tennis, ultimate frisbee, capture the flag, golf, fitness, volleyball, basketball, badminton, and yoga.

Course Standards: 5A,B,C,D, 7A,C, 8A,B,C

## **Outdoor & Leadership**

- HS2104

**One Trimester/.5 credit**  
**Grades 9-12**

**Prerequisite: Found of Wellness**

This course is designed to help students build the knowledge and confidence necessary to assess their own fitness levels. Students create their own fitness program including aerobic activity, weight and strength training, and focus on specific muscle groups. Students learn about the five components of fitness: cardiovascular endurance, muscular strength, muscular endurance, flexibility, and body composition. Examples of activities include: aerobic exercises, core-strengthening techniques, weight training, and daily fitness logs.

Course Standards: 5A,B,C,D, 7A,C, 8A,B,C



*The math requirement at BEHS is three (3) full credits. However, students are encouraged to take four (4) credits to meet the requirement for most college.*

### Selected Topics for Algebra – HS4101

**One Trimester/.5 credit**

**Grade 9**

**Prerequisite: Instructor recommendation**

Students will reinforce the standards necessary to be ready for Algebra I. Students will work with expressions and solving simple equations and inequalities in one variable. This course is offered during trimester one only.

Course Standards: BE: 1A, 2A,B,C, 3C

### Algebra Topics for Geometry – HS4204

**One Trimester/.5 credit**

**Grade 9**

**Prerequisite: Instructor recommendation**

Students will reinforce knowledge on simplifying and evaluating expressions. Students will develop skills in solving equations and converting between forms of linear equations, graphing multiple types of linear equations, solving systems by graphing, and using the slope, distance, and midpoint formulas. This course is offered during trimester one only.

Course Standards: BE: 1A, 2B,C, 3C, 4B

### Algebra I A&B – HS4102A, HS4102B

**One Trimester/.5 credit (each)**

**Grades 9**

**Prerequisite: Instructor recommendation for Algebra 1A**

Students will reinforce their skills in equations, inequalities and statistics. Students will develop skills in writing, graphing and solving linear equations and inequalities, working with the laws of exponents and operations with polynomials.

A Course Standards: BE: 1A, 2A,B,C, 3C, 5A  
B Course Standards: BE: 1A,B, 2A,B,C, 3A,C

### Geometry A&B

– HS4202A, HS4202B

**One Trimester/.5 credit (each)**

**Grades 9-10**

**Prerequisite: Algebra I A&B**

Students will study the topics of basic geometric relationships through deductive reasoning. This will include angles, parallel and perpendicular lines, triangles and congruence, quadrilaterals, similarity, right triangle trigonometry, circles, perimeter, area and volume, and coordinate geometry.

A Course Standards: BE: 1A, 2A, 4A,B,D  
B Course Standards: BE: 1A, 4A,B,C,D

### Honors Geometry A&B

– HS4203A, HS4203B

**One Trimester/.5 credit (each)**

**Grades 9-10**

**Prerequisite: Algebra I A&B or instructor recommendation**

Students will study the topics of basic geometric relationships through deductive reasoning. This will include angles, parallel and perpendicular lines, triangles and congruence, quadrilaterals, similarity, right triangle trigonometry, circles, perimeter, area and volume, and coordinate geometry. At the honors level, these courses will go more in depth on some topics and have a greater emphasis on logic and formal proofs.

A Course Standards: BE: 1A, 2A, 4A,B,D  
B Course Standards: BE: 1A, 4A,B,C,D

### Algebra II A&B

– HS4301A, HS4301B

**One Trimester/.5 credit (each)**

**Grades 11-12**

**Prerequisite: Geometry A & B**

In this course, Students will analyze linear, quadratic, polynomial, exponential, radical and rational functions. Students will gain an understanding of techniques in solving equations both graphically and algebraically. Complex numbers and sequences and series will be introduced and probability will be reinforced.

A Course Standards: BE: 1A,B, 2A,B,C, 3C, 5A,C  
B Course Standards: BE: 1A, 2A,B,C, 3A

### Honors Algebra II A&B

– HS4302A, HS4302B Grades 10-12

– HS4103A, HS4303B Grade 9

**One Trimester/.5 credit (each)**

**Prerequisite: Geometry A&B**

Students will analyze linear, quadratic, polynomial, exponential, radical and rational functions. Students will gain an understanding of techniques in solving equations both graphically and algebraically. Complex numbers and sequences and series will be introduced and probability will be reinforced. At the honors level these courses will go more in depth on some topics and have a greater emphasis on applications.

A Course Standards: BE: 1A,B, 2A,B,C, 3C,5A,C  
B Course Standards: BE: 1A,B, 2A,B,C, 3A

### Pre-Calculus\*

– HS4511

**One Trimester/.5 credit**

**Grades 10-12**

**Prerequisite: Algebra II A&B**

Students will take an in depth look at topics from previous courses and make connections to calculus. Students will explore and extend knowledge of linear, quadratic, exponential, logarithmic, and polynomial functions, including transformations, compositions, graphs, regression models and zeros. This course is a prerequisite to calculus. This course receives honors credit.

Course Standards: BE: 1A, 2A,C, 3A,B,C, 5A

### Trigonometry\*

– HS4512

**One Trimester/.5 credit**

**Grades 10-12**

**Prerequisite: Algebra II A&B**

Students explore trigonometry and make connections between trigonometry and previous courses. Students will explore angles and how trigonometric functions are applied to the unit circle, apply trigonometric concepts to problems, explore the unique characteristics of the graphs of each trigonometric function, and recognize and apply trigonometric identities. This course is a prerequisite to calculus. This course receives honors credit.

Course Standards: BE: 1A,B, 2A,B,C, 3A,C, 4A,C

### Probability & Statistics A\*&B\*

– HS4506A, HS4506B

**One Trimester/.5 credit**

**Grades 10-12**

**Prerequisite: Algebra II A&B**

These are college level courses that examine graphs, charts, distributions, regression, correlation, sampling, estimation and hypothesis testing. A study of basic probability will also be included. These courses receive honors credit. Students will have the opportunity to receive USM credits for a fee

A Course Standards: BE: 1A, 5A,B,C,D  
B Course Standards: BE: 1A, 5A,B,C,D

### AP Statistics A,B&C

– HS4507A, HS4507B, HS4507C

**Three Trimesters/1.5 credit**

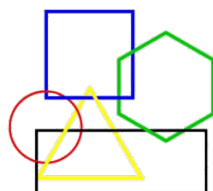
**Grades 10-12**

**Prerequisite: Algebra II A&B.**

**Students are required to take the AP exam in May.**

Students will study statistics in four parts: organizing data, producing data, probability, and inference. Students will use graphing calculators to study all topics. With the completion of this course students will be able to receive credit from USM for a fee.

Course Standards: BE: 1A 5A,B,C,D,M





### Calculus A&B\*

– HS4504A, HS4504B

One Trimester (each)/.5 credit (each)

Grades 11-12

**Prerequisite:** Precalculus and Trigonometry

Calculus A will cover the calculus of real variables, it will introduce the concept of a limit and apply it to the definition of a derivative in one variable. It will also cover the rules and properties of differentiation.

Calculus B will continue the study of calculus of real variables. Students will cover the applications of derivatives and well as the properties, rules, and applications of integrals. Students will also look at areas and volumes of revolution.

Course Standards: BE: 1A, 2B,C, 3A,B, 4A,C

\*Receives Honors Credit

Upon successful completion of Probability & Statistics A & B, AP Statistics, Calculus A & B, and/or AP Calculus, students will be able to receive credit from USM for a fee

### AP Calculus A,B&C

– HS4505A, HS4505B, HS4505C

Three Trimesters/1.5 credit

Grades 10-12

**Prerequisite:** Precalculus and Trigonometry. Students are required to take the AP Calculus A/B or AP Calculus B/C exam in May.

This course covers all the material of both AP Calculus A/B and B/C. Students study the following topics: pre-calculus review, limits, derivatives and integrals with appropriate applications, the calculus of parametric and polar equations, and infinite series.

Course standards: BE: 1A, 2B,C, 3A,B,Y, 4A,C

### Discrete Math: Applications \*

– HS4514

One Trimester/.5 credit

Grades 10-12

**Prerequisite:** Algebra II A&B

This course is based on modeling with mathematics and includes topics like elections and weighted voting, fair division, graph theory and optimization. Students use problem based learning using reasoning and modeling.

This course receives honors credit.

Course Standards: BE: 1A, 2A, 3A,4D, 5C

### Discrete Math: Structures \*

– HS4515

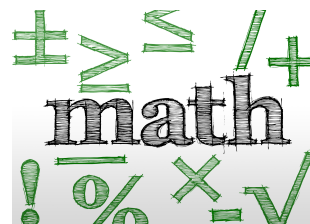
One Trimester/.5 credit

Grades 10-12

**Prerequisite:** Algebra II A&B

Discrete math is useful in the study of computer science, computer algorithms, and programming. Topics studied will be number systems, cryptography, matrices and logic. Technology is used throughout the course. This course provides a good foundation for high level mathematics. This course receives honors credit.

Course Standards: BE: 1A,B, 3A, 4A,B



*Students are advised that many colleges administer a foreign language proficiency test, which determines a student's placement in a language. The test might show an adequate proficiency in the language and fulfill the school's Modern and Classical Language requirement, removing the necessity of taking a course at the college level.*

**French I A & B**  
**– HS5102A, HS5102B**  
**Two Trimesters /1 credit**  
**Grades 9-12**

This course provides an introduction to French language and the culture of French-speaking regions. Students develop listening, speaking, reading, and writing skills. Students demonstrate person-to-person communication by using basic vocabulary to discuss people and activities in the present. Students will read, listen, and view a variety of authentic resources and will study the workings of French in relation to English. The study of French culture is sometimes discussed in English.

Course Standards: WL.2A,B,C, 3D, 4A,B,C,D,E, 5A,B

**French II A & B**  
**– HS5103A, HS5103B**  
**Two Trimesters /1 credit**  
**Grades 9-12**

**Prerequisite: French I A&B or instructor's consent**  
 This course further develops basic skills introduced in French I. We will review previous content and introduce new vocabulary and structures. Students practice vocabulary, expressions and grammatical structures in order to read, write and understand communicative functions in the past and present tense. Students use various authentic French language resources to identify and understand main ideas and details in familiar topics related to Francophone culture.

Course Standards: WL.2A,B,C, 3D, 4A,B,C,D, 4E, 5A,B

Students are advised to take at least three levels of one world language at BEHS. The world language curricula are aligned with the national standards set forth by the American Council for the Teaching of World Languages (ACTFL) and the Maine Graduation Requirements.

**French III A & B**  
**– HS5201A, HS5201B**  
**Two Trimesters/1 credit (each)**  
**Grades 10-12**

**Prerequisite: French II A&B or instructor's consent**  
 This course further reinforces the four basic skills of speaking, listening, reading, and writing. Vocabulary is taught through more challenging materials and the study of culture is an integral part of each lesson. Students study in depth more sophisticated verb structures, including past and future tenses and the conditional mode. Students read and view a variety of French texts and short stories. Class is primarily conducted in French.

Course Standards: WL.2A,B,C, 3D, 4A,B,C,D,E, 5A,B

**French IV A & B\***  
**– HS5203A, HS5203B**  
**Two Trimester /1 credit**  
**Grades 10-12**

**Prerequisite: French III A&B or instructor's consent**  
 The goal with French IV is to expand and reinforce the skills learned in previous French levels. Students augment their ability to use the French language by reading and listening to more sophisticated materials. They will learn to use all verb tenses and modes and most pronouns. Students will communicate ideas, discuss various topics and write with greater detail in French. Students will read pieces by select classic and contemporary authors. Class is exclusively conducted in French. This course receives honors credit.

Course Standards: WL.2A,B,C, 3D, 4A,B,C,D,E, 5A,B

**French V A & B\***  
**– HS5300A, HS5300B**  
**Two Trimesters/1 credit**  
**Grades 11-12**

**Prerequisite: French IV A&B or instructor's consent**  
 This upper level class is tailored to the needs of the students who have already taken four levels of French, or with instructor's permission. Students augment their ability to use the French language by reading and listening to more sophisticated materials. Students are asked to communicate ideas, discuss various topics, and write with greater details in French. Students will read works by select classic and contemporary authors. This course receives honors credit.

Course Standards: WL.2A,B, 2C, 3D, 4A,B,C,D,E, 5A,B

**Latin I A & B**  
**– HS5100A, HS5100B**  
**Two Trimesters/1 credit**  
**Grades 9-12**

This course will provide a strong foundation for the study of Latin literature. Students will gain basic grammar skills and learn basic vocabulary to be able to translate basic Latin sentences and simple readings. This includes being able to tell the difference between nouns and verbs, and how to decline first and second declension nouns and conjugate first and second conjugation verbs in the present, perfect, and future tenses. While this course focuses on developing skills to translate Latin, students will also study Roman culture, its influence over its neighbors, and its continuing influences today. The course will also include English readings about Roman mythology and historical events that would influence Rome's development into one of the Ancient World's super powers.

Course Standards: WL.2A,B,C, 3D, 4A,B,C,D,E, 5A,B

**Latin II A & B**  
**– HS5101A, HS5101B**  
**Two Trimesters/1 credit**  
**Grades 9-12**

**Prerequisite: Latin I A&B or instructor's consent**  
 This course will continue to build on the grammar foundation that was laid in Latin I, and to increase the student's vocabulary. It includes a focus on translation of increasingly more difficult Latin sentences. This includes being able to conjugate verbs from all the conjugations in all the tenses, as well as start to learn the various uses of the ablative case. Also students will continue to study Roman culture and daily life. This course will also cover the period of the Republic and its eventual downfall.

Course Standards: WL.2A,B,C, 3D, 4A,B,C,D,E, 5A,B

**Latin III A & B**  
**– HS5200A, HS5200B**  
**Two Trimesters/1 credit**  
**Grades 10-12**

**Prerequisite: Latin II A&B or instructor's consent**  
 This course will complete the study of grammar, which is necessary for translating Latin passages, and will continue to build on the students' existing vocabulary. In this course, students will be translating and reading from adapted Latin authors, such as Livy and Cicero. Also in this class students will start the study of the Roman emperors from Augustus to Nero.

Course Standards: WL.2A,B,C, 3D, 4A,B,C,D,E, 5A,B

## **Latin IV A & B\***

– HS5202A, HS5202B

**Two Trimesters/1 credit**

**Grades 10-12**

**Prerequisite:** Latin III A&B or instructor's consent

This course is an intensive reading and translating course focusing on Caesar and Pliny and Latin poets such as Ovid, Catullus, Horace and Virgil. Students will continue to build their vocabulary and refine their translating skills. This class will also continue the studies of the emperors and will examine the fall of the Roman Empire and its impact on Western Civilization.

This course receives honors credit.

Course Standards: WL.2A,B,C, 3D, 4A,B,C,D,E, 5A,B

## **Spanish I A & B**

– HS5104A, HS5104B

**Two Trimesters/1 credit**

**Grades 9-12**

This course provides an introduction to the Spanish language and the culture and history of Spanish speaking countries. Students start to develop listening, speaking, reading, and writing skills in the present tense in Spanish. Students will study the workings of Spanish in relation to English.

Course Standards: WL.2A,B,C, 3D, 4A,B,C,D,E, 5A,B

## **Spanish II A & B\***

– HS5105A, HS5105B

**Two Trimesters/1 credit**

**Grades 9-12**

**Prerequisite:** Spanish I A&B or instructor's consent

This course allows students to further develop the basic skills of listening, speaking, reading, and writing skills. Previous content is reviewed and new vocabulary, verb tenses and grammatical structures are introduced, practiced and used.

Course Standards: WL.2A,B,C, 3D, 4A,B,C,D,E, 5A,B

## **Spanish III A & B**

– HS5204A, HS5204B

**Two Trimesters/ 1 credit**

**Grades 10-12**

**Prerequisite:** Spanish II A&B or instructor's consent

This course further reinforces the four basic skills of speaking, listening, reading, and writing. Vocabulary is taught through more challenging materials and the study of Hispanic-American cultures is an integral part of each lesson. Students study in depth, more sophisticated verb structures such as subjunctive and the conditional modes, and regularly review all indicative tenses. Students read a variety of texts and short stories. The use of a Spanish/English dictionary and a verb reference text is encouraged in and out of class. Various media are used in this course.

Course Standards: WL.2A,B,C, 3D, 4A,B,C,D,E, 5A,B

## **Spanish IV A & B\***

– HS5205A, HS5205B

**Two Trimesters /1credits**

**Grades 10-12**

**Prerequisite:** Spanish III A&B or instructor's consent

This course expands and reinforces the skills learned in previous Spanish levels. Students augment their ability to use the Spanish language by reading and listening to more sophisticated materials. Students are asked to communicate ideas, discuss various topics, and write with greater detail in Spanish. Students will read works in Spanish.

This course receives honors credit.

Course Standards: WL.2A,B,C, 3D, 4A,B,C,D,E, 5A,B

## **Spanish V A & B\***

– HS5301A, HS5301B

**Two Trimesters/1 credit**

**Grades 11-12**

**Prerequisite:** Spanish IV A&B or instructor's consent

This upper level course is tailored to the needs of the students who have already taken four levels of Spanish or with instructor's permission. The purpose of Spanish V is to expand and reinforce the skills learned in previous Spanish levels.

This course receives honors credit.

Course Standards: WL.2A,B,C, 3D, 4A,B,C,D,E, 5A,B

\*Receives Honors Credit

# Course Descriptions

## Science Courses

*The science requirement for BEHS graduation is three full credits, although we encourage students to access all four years of the science curriculum. All science courses will meet the following standards:*

*SGS 1: Asking Questions and Defining Problems*

*SGS 2: Developing Models*

*SGS 3: Planning & Conducting Investigations*

*SGS 4: Collecting, Analyzing and Interpreting Data*

*SGS 5: Using Appropriate Mathematics*

*SGS 6: Constructing Explanations*

*SGS 7: Engaging in Argument from Evidence*

*SGS 8: Obtaining, Evaluating and Communicating Information*

### **Lab Earth and Space Science A&B – HS6100A, HS6100B**

**One Trimester/.5 credit (each)**

**Grade 9**

These courses are designed to help students understand the world around them. Students will explore the fields of geology, hydrology, energy, climate, and astronomy. These required courses are intended to show students the complexities of our environment and how systems interact in a delicate balance. They will also introduce concepts of sustainability and how humans affect the environment.

### **Honors Lab Earth and Space Science A & B**

**– HS6101A, HS6101B**

**One Trimester/.5 credit (each)**

**Grade 9**

These courses are designed to help students understand the world around them. Students will explore the fields of geology, hydrology, energy, climate, and astronomy. These required courses are intended to show students the complexities of our environment and how systems interact in a delicate balance. They will also introduce concepts of sustainability and how humans affect the environment.

### **Lab Biology A & B – HS6200A, HS6200B**

**One Trimester/.5 credit (each)**

**Grade 10**

**Prerequisite: Lab Earth and Space Science A&B**

These courses are aligned with the Next Generation Science Processes. There are four life science disciplinary core ideas in high school: 1) From Molecules to Organisms: Structures and Processes, 2) Ecosystems: Interactions, Energy, and Dynamics, 3) Heredity: Inheritance and Variation of Traits, 4) Biological Evolution: Unity and Diversity. These courses are designed for students bound for college and other post-secondary pathways. Laboratory based courses require students to design experiments and gather and analyze real data. Approximately 30 minutes of homework is expected for each class.

### **Honors Lab Biology A&B**

**– HS6201A, HS6201B**

**One Trimester/.5 credit (each)**

**Grade 10**

**Prerequisite: Lab Earth and Space Science A&B**

These courses are aligned with the Next Generation Science Processes. There are four life science disciplinary core ideas in high school: 1) From Molecules to Organisms: Structures and Processes, 2) Ecosystems: Interactions, Energy, and Dynamics, 3) Heredity: Inheritance and Variation of Traits, 4) Biological Evolution: Unity and Diversity. These courses are designed for students bound for college and other post-secondary pathways. These laboratory-based courses require students to design experiments and gather and analyze real data. Approximately 30 minutes of homework is expected for each class.

### **AP Biology A, B & C**

**– HS6500A, HS6500B, HS6500**

**Three Trimesters/.5 credit (each)**

**Grades 11-12**

**Prerequisite: Honors grade in Lab Chemistry A&B. Required to take the AP exam in May.**

These courses are designed to fulfill the requirement of an introductory biology course at the college level. They are intended for those students who would like to pursue a career in some field of science or medicine. AP Biology is offered to juniors and seniors who have successfully completed Lab Chemistry.

### **Lab Chemistry A&B – HS6300A, HS6300B**

**One Trimester/.5 credit (each)**

**Grades 11-12**

**Prerequisite: Biology, Algebra II or concurrent**

These courses use a mathematical and problem-solving framework to develop understanding of the structure and properties of matter and how matter combines in chemical reactions. They follow the NGSS science standards and includes topics including bonding and atomic theory, stoichiometry, chemical kinetics and equilibrium, and thermodynamics. Designed for students bound for college and other post-secondary pathways. They use the laboratory to gather and analyze real data and roughly 30 minutes of homework is expected for each class.

### **Honors Lab Chemistry A&B – HS6301A, HS6301B**

**One Trimester/.5 credit (each)**

**Grades 11-12**

**Prerequisite: Biology, Algebra II or concurrent**

These courses use a mathematical and problem-solving framework to develop understanding of the structure and properties of matter and how matter combines in chemical reactions. They follow the NGSS science standards and include topics including bonding and atomic theory, stoichiometry, chemical kinetics and equilibrium and thermodynamics. Designed for students bound for college and other post-secondary pathways. They use the laboratory to gather and analyze real data and roughly 45 minutes of homework is expected for each class. These courses provide the opportunity for motivated students to further study and analyze the concepts, ideas and themes.

All science students are required to fulfill their graduation requirement as follows:  
Lab Earth Science - 1 credit  
Lab Biology - 1 credit  
Physical Science - 1 credit  
(Consists of: Lab Chemistry A&B,  
Lab Physics A&B, or  
Physical Science A&B)



# Course Descriptions

## Science Courses

### AP Chemistry A,B&C

– HS6501A, HS6501B, HS6501C

Three Trimesters/.5 credit (each)  
Grades 11-12

**Prerequisite:** Honors grade in Lab Chemistry A&B

**Required to take the AP exam in May.**

These courses require a rigorous approach to study and problem solving. They are taught at the introductory college level. These courses begin with a brief review of topics covered in Lab Chemistry and continues with gas laws, quantum theory, solution chemistry, qualitative and quantitative analysis, periodicity, advanced chemical bonding, thermochemistry, equilibrium, acids and bases and nuclear chemistry. Concepts in organic chemistry are introduced. These courses are laboratory-oriented and approached from a mathematical and theoretical point of view. Students should expect one minute of homework for every minute of class time.

### Lab Physics A&B

– HS6302A, HS6302B

One Trimester/.5 credit (each)  
Grades 11-12

**Prerequisite:** Algebra II A&B

Physics A concentrates on topics of motion, forces, momentum, and energy. Physics B concentrates on wave mechanics, sound, light duality, and gravitation. Both courses have significant laboratory components that will focus on inquiry and the design and execution of experimental protocols. Designed for students bound for college and other post-secondary pathways.

### Honors Lab Physics A&B

– HS6303A, HS6303B

One Trimester/.5 credit (each)  
Grades 11-12

**Prerequisite:** Algebra II A&B

Physics A concentrates on topics of motion, forces, momentum, and energy. Physics B concentrates on wave mechanics, sound, light duality, and gravitation. Both courses have significant laboratory components that will focus on inquiry and the design and execution of experimental protocols. Designed for students bound for college and other post-secondary pathways.

### AP Physics C: Mechanics A,B &C

– HS6502A, HS6502B, HS6502C

Three Trimesters/.5 credit (each)  
Grades 11-12

**Prerequisite:** Calculus A&B or concurrent; Honors Lab Physics A&B or teacher consent

**Required to take the AP exam in May.**

This course is designed for college-bound students intending to major in physical science, mathematics, engineering, or pre-medicine. Students with a strong interest and aptitude in math and science, and who plan a natural science or liberal arts major (especially at top academic colleges), are also encouraged to take this course. This course covers in depth the subjects of mechanics in physics, such as motion, forces, momentum, and energy. There is a heavy emphasis on the use of calculus-based mathematics and problem-solving skills.

### Physical Science A

– HS6304A

One Trimester/.5 credit  
Grades 11-12

**Prerequisite:** Lab Earth and Space Science A&B and Lab Biology A&B

This course is a chemistry course intended to meet the needs of students entering the work force or a two-year college. This course is not intended to meet admission requirements for a four-year college program. This chemistry course introduces students to the modern science of the atom and chemical reactions. The study of atomic structure is applied to the properties and reactions of matter. This course uses the laboratory to develop concepts, solve problems and investigate types of chemical reactions. Topics include Atoms, Periodic Table, Bonding and Chemical and Nuclear Reactions, and Chemistry of Heat. Students must also take Physical Science B to meet graduation requirements. Students will need to be comfortable with basic algebra.

### Physical Science B

– HS6304B

One Trimester/.5 credit  
Grades 11-12

**Prerequisite:** Lab Earth and Space Science A&B and Lab Biology A&B

This course is intended for students who are working toward meeting the admission requirements of two-year colleges or vocational / technical programs. This course is not intended to meet admission requirements for a four-year college program. Physical Science B introduces students to topics of mechanics; such as motion, momentum and collisions, and energy conservation through a hands-on approach. Students will need to be comfortable with basic algebra and graphical analysis.

What science course should I take to fulfill the physical science requirement?

I want to go to a 4-year college:

Take Lab Chemistry or Lab Physics. If you are interested in a science career or a competitive college, you should take both.

I want to go to a 2-year college or enter the workforce:

Take Physical Science A & B junior year. If you decide to apply to a 4-year college, you can also take Lab Chemistry or Lab Physics senior year.

I want to go to a 4-year college and I am interested in AP science courses:

Take required science courses in your freshman and sophomore years, and then take AP courses in your junior and senior years. Be sure to look at course prerequisites as you plan your schedule.

### Aquatic Biology: Marine

– HS6503

One Trimester/.5 credit  
Grades 11-12

**Prerequisite:** Lab Biology A&B, Honors Lab Bio preferred

This advanced science course is offered at a college preparatory level. It is designed for students who are passionate about biology and want an in-depth study of marine ecosystems. Students will be expected to read non-fiction texts and participate in fieldwork. Approximately one hour of homework is expected for each class.

### **Aquatic Biology: Freshwater** – HS6504

**One Trimester/.5 credit**  
**Grades 11-12**

**Prerequisite:** Lab Biology A&B,  
Honors Lab Bio preferred

This advanced science course is offered at a college preparatory level. It is designed for students who are passionate about biology and want an in-depth study of freshwater ecosystems. Students will be expected to read non-fiction texts and participate in fieldwork on the Bonny Eagle campus. Main topics include freshwater ecosystems, chemical and geophysical properties of water, micro- and macro-invertebrates, vertebrates, and plants. Approximately one hour of homework is expected for each class.

### **Human Anatomy & Physiology A&B**

– HS6505A, HS6505B

**One Trimester/.5 credit (each)**  
**Grades 11-12**

**Prerequisite:** Lab Biology A&B and  
Lab Chemistry A&B

Students interested in this course are probably planning a career in the life sciences or the field of medicine. Emphasis will be on anatomical terminology, fundamental biochemistry, and structure and function of the human body.

### **Astronomy**

– HS6506

**One Trimester/.5 credit**  
**Grades 10-12**

**Prerequisite:** Lab Earth & Space  
Science A&B & Geometry A&B

Astronomy is the scientific study of the universe — stars, planets, galaxies, and everything in between. In this course, students will learn about planetary motion, stars, and how scientists explore the universe.

### **Survival Science**

– HS6512

**One Trimester/.5 credit**  
**Grades 11-12**

**Prerequisite:** Algebra II A&B or  
concurrent

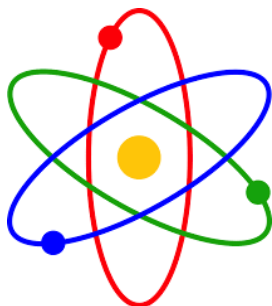
The class is shipwrecked on a deserted island. Survival is key as well as signaling a ship. Using what is left of the boat, any debris that has washed up on shore, students design and build experiments that will help survive and signal a ship. This is a practical hands-on science class in which students learn how to survive a shipwreck. Pulleys, compass, fire with a bow, parabolic fire dish, hand crank generator, saltwater batteries, flashing distress beacon, and a raft are a few of the survival challenges covered. Students will keep a written journal on their progress. Strong math and science skills are needed for this class.

### **AP Environmental Science A,B&C** – HS6514A, HS6514B, HS6514C

**Three Trimesters/.5 credit each**  
**Grades 10-12**

**Prerequisite:** Honors grade in Lab  
Earth and Space Science. **Required to**  
**take the AP exam in May.**

The AP Environmental Science course is designed to engage students with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography.



*The mission of the Social Studies Department is to help students become confident, caring, contributing and responsible citizens in a rapidly changing world. To ensure that all students develop a deeper understanding of civic responsibility, we recommend that students complete at least four credits of Social Studies courses (three required credits and one elective).*

### **Global Village A & B** – HS7100A, HS7100B One Trimester/.5 credit (each) Grade 9

Students concentrate on in-depth geographical, historical, and cultural study of major geographic and political regions of the world. Common Assessments will focus on the Tools of Geography, Cultural Influences, Human-Environment Interaction, Environmental Issues, Influential People, and the Elements of Culture.

Course Standards: BE Grad: 1,5,6

### **Honors Global Village A&B** – HS7101A, HS7101B One Trimester/.5 credit (each) Grade 9

Students concentrate on in-depth geographical, historical, and cultural study of major geographic and political regions of the world. Common Assessments will focus on the Tools of Geography, Cultural Influences, Human-Environment Interaction, Environmental Issues, Influential People, and the Elements of Culture. This course provides the opportunity for motivated students to further study and analyze the concepts, ideas and themes.

Course Standards: BE Grad: 1,5,6

### **U.S. History A & B** – HS7200A, HS7200B One Trimester/.5 credit (each) Grade 10

**Prerequisite:** Global Village A&B  
HS7200A Students will examine the American Experience by tracing the development of large scale industry and the implications for all Americans. Among other topics students will consider the effects of industrialization/ technological advances on the people, and how industrialization helped the United States become a world power. Students will examine change and continuity in these multiple eras and how the changes affected the perspectives of the people. Students will also explain how evidence is used to support the varying interpretations of the people, issues and events.

Graduation Standards: 1 and 6 (Indicators A, C, and D)

## **SOCIAL STUDIES ELECTIVES**

**HS7200B** Students will examine the American Experience through major figures, events and conflicts that shaped the course of U.S. History. Students will consider the evolving “character” of our nation that was shaped by the historical circumstances. Students will analyze and critique major historical eras, enduring themes, turning points, events, consequences and people in the history of the United States and the world. Students will analyze multiple and complex causes and effects in the past, and they will identify, critique and analyze issues characterized by unity and diversity and major turning points and events with minority groups in the history of the United States and other nations, and describe their effects.

Graduation Standards: 1 and 6 (Indicators B, E, and G)

### **AP U.S. History A, B, & C** – HS7500A, HS7500B, HS7500C Three Trimesters/.5 credit (each) Grades 11-12

**Prerequisite:** US History A&B or by AP teacher’s permission. Students are required to take the AP exam in May.

AP U.S. History is designed to be the equivalent of a two-semester introductory college U.S. history course. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students learn to assess historical materials—their relevance to a given interpretive problem, reliability, and importance—and to weigh the evidence and interpretations presented in historical scholarship.

Course Standards: BE Grad: 1,6

### **Honors U.S. History A & B** – HS7201A, HS7201B One Trimester/.5 credit (each) Grade 10

**Prerequisite:** Global Village A&B  
This course is designed to provide motivated students with an opportunity for an in-depth examination of the American experience. Students will begin doing the real work of historians by examining historical documents and artifacts and interpreting them to understand events that shaped United States history. Students will have opportunities for interesting research and dynamic discussions, as well as vigorous debate and challenging written assessments. This course is open to all students who like to be challenged to think independently. Students who select

this course cannot select the “theme” of instruction for this class, since section availability will be based on the number of students who enroll in the Honors Course.

Course Standards: “A” Graduation: 1, 6 (A, C, D)  
“B” Graduation: 1, 6 (B, E, G)

## **Government**

### **– HS7300** One Trimester/.5 credit Grade 11

**Prerequisite:** US History A&B  
Students will study the U.S. Constitution as it defines the roles and responsibilities of the national, as well as those of American citizens in the 21st Century. The class will also focus on the historical development of the Constitution, modern public policies, and current events.

Course Standards: BE Grad: 1,2,3

### **Honors American Government** – HS7301

### **One Trimester/.5 credit** Grade 11

**Prerequisite:** US History A&B  
In a constitutional democracy, productive civic engagement requires knowledge of the history, principles, and foundations of our American democracy, and the ability to participate in civic and democratic processes. People demonstrate civic engagement when they address public problems individually and collaboratively and when they maintain, strengthen, and improve communities and societies. Thus, civics is, in part, the study of how people participate in governing society. Students will study the U.S. Constitution, the three branches of government, and the techniques available to citizens for preserving and changing a society.

Course Standards: BE Grad: 1,2,3

### **AP U.S. Government & Politics** A,B,&C

### **– HS7501A, HS7501B, HS7501C** Three Trimesters/.5 credit (each) Grades 11-12

**Prerequisite:** Required to take the AP exam in May.

Students study the U.S. government and political system. They will analyze the Constitutional underpinnings of the U.S. government and the political beliefs and behaviors of its citizens from past to present in order to evaluate the role of political parties, interest groups, and mass media in the development of American institutions, civil rights, and liberties. This course fulfills the required Government .5 credit

Course Standards: BE Grad: 1,2,3

### Economics

– HS7302

**One Trimester/.5 credit**

**Grade 11**

**Prerequisite:** US History A&B

Students will develop an understanding of the ways in which individuals, businesses, governments, and societies make decisions allocate resources among alternative uses. The study of economics provides students with the concepts and tools necessary to understand the interaction of buyers and sellers in markets, workings of the national economy, and interactions within the global marketplace. Economic reasoning and skillful use of economic tools draw upon a strong base of knowledge about human capital, land, investments, money, income and production, taxes, and government expenditures.

Course Standards: BE Grad: 1,4

### Honors Economics

– HS7303

**One Trimester/.5 credit**

**Grade 11**

**Prerequisite:** US History A&B

Students will improve critical thinking and writing skills as they study the concepts of the American economic system. These concepts will focus on economic fundamentals and the role of the American government in our market system. In addition, students will compare the US system with other economics systems worldwide and study America's interaction with the world.

Course Standards: BE Grad: 1,4

### Vietnam War – HS7503

**One Trimester/.5 credit**

**Grades 9-12**

Students will study America's involvement in Vietnam from 1945-1975 and compare that involvement with modern U.S. military engagements around the world. They will study Southeast Asian geography and culture, the French-Indochina War, American military involvement and the war at home.

Course Standards: BE Grad: 1,5,6

### The World Wars – HS7502B

**One Trimester/.5 credit**

**Grades 10-12**

Students study the development of Modern Warfare and the Imperialism, Alliances, International Diplomacy, and competing 20<sup>th</sup> Century philosophies that help shape the modern world. Topics include: European Nationalism, Imperialism, the World Wars, Cold War and Current Events.

Course Standards: BE Grad: 1,6

### Psychology

– HS7504

**One Trimester/.5 credit**

**Grades 10-12**

Students study topics such as the brain, learning and memory, personality theory, and deviant behavior. Through the study of these topics, students will learn about why they, as well as others, behave the way they do.

Course Standards: BE Grad: 1

### Sociology – HS7505

**One Trimester/.5 credit**

**Grades 10-12**

Students study society and social behavior through research, discussion, and projects. By examining different cultures, institutions, inequality, and the individual in a changing world, students will develop a greater understanding of our society.

Course Standards: BE Grad: 1

### Mock Trial

– HS7506

**(Fall Competition)**

**One Trimester (1st only)/.5 credit**

**Grades 10-12**

Students that enroll in the Mock Trial course will participate in an interactive course designed to prepare students to compete in the Maine Mock Trial Competition. During the competition, students compete against other schools and argue a case in a Maine courtroom with legal professionals. Students spend the trimester learning key concepts of preparing for an actual trial, including: legal terminology, debate and discussion strategies and questioning techniques. Students work with each other frequently to prepare defense and prosecution roles of the case. If you are interested in learning about the court system, like working with skills, you should consider this course. Enrollment is limited to two consecutive years.

Course Standards: BE Grad: 1,2

### Current World Events:

#### Crime and Punishment in

#### America – HS7507

**One Trimester/.5 credit**

**Grades 10-12**

**Prerequisite:** Global Vill A&B

Beyond unrelated current events that unfold during the course, students will study the American Criminal Justice system focusing on the rights of the accused, police powers, court procedures, and the U.S. prison system. Using a variety of mediums, students examine the evolution of crime and punishment in America.

Course Standards: BE Grad: 1,2,3

### Current World Events:

#### Camden Conference in the Classroom

– HS7215

**One Trimester/.5 credit**

**Grades 10-12**

**Prerequisite:** Global Vill A&B

Beyond unrelated current events that unfold during the course, students will study the current topic of the Camden Conference, a global issues conference held in Camden, ME. The course is centered on improving research methods, critical thinking, and strengthening arguments for authentic audiences. The course asks students to see the world through a different lens, and the goal is for the students to become global learners, drawing from their experiences from the conference and the materials studied to develop ideas on how to improve the world going forward.

Course Standards: Social Studies 1, 2, 3

### Maine Studies

– HS7509

**One Trimester/.5 credit**

**Grades 10-12**

**Prerequisite:** U.S. History A&B

Students study the geography, history, economics, and government of Maine. Topics will include Maine's Native Americans, contributions of immigrants to society, famous Mainers in all walks of life, and the culture of Maine. Students will have opportunities to do internet-based research, engage in discussions of modern Maine issues, and explore what makes Maine unique amongst the fifty United States.

Course Standards: BE Grad: 1,4,5,6

### Her-Story

– HS7508

**One Trimester/.5 credit**

**Grades 11-12**

**Prerequisite - US History A&B**

In this course, students learn about American women's history from 1600 to the present. This college prep class will be taught in a college-like format with lectures and activities. Students are expected to write evidence-based essays and complete projects. The numerous contributions of women throughout American history, briefly touched upon in regular history classes, will be examined and discussed. Topics will include women's roles in the colonization of America, slavery, the Civil War, immigration, suffrage, work outside the home, the World Wars and the fight for equality.

Course Standards: BE Grad: 1A,B,C, 2, 3, 6A,B,C,D,F



# Course Descriptions

## Social Studies Courses

### Financial Awareness

– HS7510

*Satisfies the Financial Literacy*

*graduation requirement*

**One Trimester/.5 credit**

**Grades 11-12**

This is a required course that is designed to give students the knowledge and skills to make financial decisions that will lead to success in personal life, education, work and citizenship roles. Topics include: Money Management, Borrowing, Earning, Power, Financial Services and Insurance.

Course Standards: CED 4, Social Studies 4

We encourage students to challenge themselves by taking:

Grade 9: Honors Global Village

Grade 10: Honors U.S. History

Grades 11 or 12: Honors Government

Honors Economics

AP U.S. Government

AP U.S. History

### Advanced Financial Awareness

– HS7511

**Prerequisite:** *Financial Awareness*

**OR** *On Your Own* **OR** *JMG Personal Finance*

This is an elective course that is designed to give students enhanced knowledge and skills to make thorough, practical, and thoughtful financial decisions that will lead to the highest chance at success in personal life, education, work and citizenship roles. Topics include in-depth college and career planning, comprehensive budgeting techniques, and advanced financial planning strategies.

Course Standards: CED 4, Social Studies 4



### AP Human Geography A, B, & C

– HS7513A, HS7513B, HS7513C

**Three Trimesters/.5 credit (each)**

**Grades 10-12 (firm)**

**Prerequisite:** Global Village  
**Required to take the AP exam in May.**

Students will explore how humans have understood, used, and changed the surface of Earth. We will use the tools and thinking processes of geographers to examine patterns of human population, migration, and land use.

Skills: Connecting geographic concepts and processes to real-life scenarios, Understanding information shown in maps, tables, charts, graphs, infographics, images, and

landscapes, Seeing patterns and trends in data and in visual sources such as maps and drawing conclusions from them and understanding spatial relationships using geographic scales

# Course Descriptions

## Technology & Engineering Courses

### Material Science – HS3500

**One Trimester/.5 credit**

**Grades 9-12**

In this course, students will explore different properties of the basic materials that make up our modern world: metals, composites, polymers, and ceramics. Students will learn how each material differs from one another through hands-on experimentation and research. We will consider concepts such as natural versus man-made, strength, molecular structure, and heat conduction. Students will also learn how these materials can work together, creating different engineering and technological pieces. In this section, students will focus mainly on wood, metal, and polymers. That is not to say that we will not experience the other materials.

### Materials Engineering

**Technology – HS3501**

**One Trimester/.5 credit**

**Grades 9-12**

This course is designed for students who may be considering training in the areas of Engineering, Material Design, Woodworking, Metalworking, and Machine Safety. This MET course is designed to offer a generic and broad view of the way humans change materials. This course approach uses various materials using similar processing techniques. This hands-on course focuses on woodworking, metalworking, Construction methods, materials, and safety. All skills and techniques acquired are considered to be fundamental for students pursuing any field of engineering or trade related fields.

### Construction – HS3502

**One Trimester/.5 credit**

**Grades 10-12**

This course provides students with an introduction to the construction industry. Students learn how small buildings and other construction-related projects are produced. Construction covers a wide variety of areas and subject. This course will encompass the five major building materials found in all things built.

Course Standards: Meets BEHS Career/Education Development Standards

### CAD/CAM – HS3503

**One Trimester/.5 credit**

**Grades 9-12**

This course uses software which will help the student grasp and understand rapid prototyping and Computer Aided Manufacturing. The course will provide students an opportunity to apply CAD / CAM techniques to the development of a variety of engineering projects. Software usage 3-D printing and CNC routing are the main focus of this course.

## **Homesteading Through Science – HS3504**

**One Trimester/.5 credit**  
**Grades 9-12**

Students will be presented with the basic needs of all mankind: shelter, water, and food. They will begin with an introduction of hand-drafting, giving them an insight into the world of blueprints and shelter building. Throughout the rest of the trimester, students will discover what it takes to be able to preserve and cook food using fire, filter and/or desalinate water, and live a lifestyle leaving little to no waste.

## **The Homestead and the Kitchen – HS0109**

**One Trimester/.5 credit**  
**Grades 10-12**

**Prerequisite: Foods for Wellness**

This will be a cross-curricular class, with students spending 6 weeks with the Technology and Engineering Department and 6 weeks with Family and Consumer Sciences. For the T/E component, students will learn about the hands-on applications of homesteading and food production. This could include hydroponics, tools for maple syrup producing, developing/maintaining a garden/plants, designing and building a greenhouse, designing and building cooking methods, and/or other hands-on projects that will assist in the understanding of homestead living and producing food and sustainability for daily life. During the six weeks in Family Consumer Sciences, the students will discuss and perform a variety of homesteading kitchen ideas, including food preservation and meat processing, beekeeping, gardening, foraging, maple syrup production, homemade body care and cleaning products, and sewing and knitting basics.

Course standards: TBD

## **Power & Engines – HS3505**

**One Trimester/.5 credit**  
**Grades 9-12**

This class provides an introduction to powers technology, including steam engines, electrical engines, small two-stroke engines, and future applications of powers. This class will use the engineering process and will focus on hands-on activities and applications of these topics, including how these items are currently used, such as in automobiles and small engines. This class will include project design and prototyping, including 3D printing.

Course Standards: HS.IT.1, 2, 3

## **Systems & Autos – HS3506**

**One Trimester/.5 credit**  
**Grades 9-12**

This class will provide an introduction to power systems, including the electrical system in a car, solar power and batteries and how they are evolving, and turbine systems. This class will develop hands-on skills and problem solving based on systems technologies, including design, prototyping, and testing/redesign of prototypes, including 3D printing. We will look at application of systems, including the systems of an automobile.

Course Standards: HS.IT.1, 2, 3

## **Fundamentals of Programming- HS3510**

**Grade: 10-12**

This course serves as an initial introduction of programming concepts and techniques to non-programmers. The course will focus on the key concepts common to solving problems by algorithmic thinking, and to the fundamental concepts and techniques common to all high-level programming languages. The course will be taught using a command line version of the Python programming language.

**\*\*University of Maine at Augusta**  
concurrent enrollment agreement - three credits available to freshman, sophomores, juniors and seniors.

Course Standards: HS.IT.1, 4

## **Computer Science – HS3511**

**One Trimester/.5 credit**  
**Grades 9-12**

Description: In this course, students will explore the need for coding languages and logic in the technology world. Through exercises in an App Lab environment, students will learn the JavaScript Language. The general principles of algorithms and program design will be taught in conjunction with the logic and coding skills necessary to write viable code. **\*\*University of Maine** at Augusta concurrent enrollment agreement - 3 credits available to freshman, sophomores, juniors and seniors.

Course Standards: HS.IT.1, 4

## **Web Page Design – HS3512**

**One Trimester/.5 credit**  
**Grades 9-12**

This course introduces effective web page design concepts including identifying your target audience, effective page content, layout & design, and digital image enhancement & manipulation, and how they all play an effective role in doing business on the Internet through your website (e-commerce). The world of programming will be explored, as this course will begin with learning HTML and progress on to Cascading Style Sheets.

**\*\*University of Maine at Augusta**  
concurrent enrollment agreement - 3 credits available to juniors and seniors.

Course Standards: HS.IT.1, 2

## **App Design – HS3515**

**One Trimester/.5 credit**  
**Grades 9-12**

Want to build apps for your mobile device? Have you ever thought about learning to code, but not sure? If you answered yes to either of these questions, App Design is for you! This course utilizes Code.org's App Lab environment where you will learn the basics of coding and the design process. In the App Lab, students will code apps in JavaScript, using either drag and drop block coding, or a script editor. This course allows for lots of creativity while learning the basics of coding.

Course Standards: HS.IT.1, 2

## **Survival Science– HS6512**

**One Trimester/.5 credit**  
**Grades 11-12**

**Prerequisite: Algebra II A&B or concurrent**

The class is shipwrecked on a deserted island. Survival is key as well as signaling a ship. Using what is left of the boat, any debris that has washed up on shore, students design and build experiments that will help survive and signal a ship. This is a practical hands-on science class in which students learn how to survival a shipwreck. Pulleys, compass, fire with a bow, parabolic fire dish, hand crank generator, saltwater batteries, flashing distress beacon, and a raft are a few of the survival challenges covered. Students will keep a written journal on their progress. Strong math and science skills are needed for this class.

### VEX Robotics

Using the VEX Robotics Design System this course offers students an exciting platform for learning about areas rich with career opportunities spanning science, technology, platform for learning about areas rich with career opportunities spanning science, technology, engineering and math (STEM). These are just a few of the many fields students can explore beyond science and engineering principles, a VEX Robotics project encourages teamwork, leadership and problem solving among groups. The course is designed for the student who is interested in applying their classroom abilities to real applications using basic engineering skills.

Course Standards: HS.IT.1.2

*Due to COVID: Students who took Engineer Design and Build will need to take Vex 1 before they can take Vex 2.*

### VEX Robotics 1

- HS3507

**One Trimester/.5 credit**

**Grades 9-12**

Students will use a hands-on design process to build various VEX robotics projects. Topics covered are, speed power, torque, gears chains and sprockets and friction traction and traction. A final project that will apply all the skills and knowledge learned.

### VEX Robotics 2

- HS3508

**One Trimester/.5 credit**

**Grades 9-12**

**Prerequisite: VEX Robotics 1**

Students continue to master the fundamentals of the engineering design process to build various VEX robots, which include: Drivetrain Design, Object Manipulation, Rotating Joints, Linkage, and System Integration. A final project that will apply all the skills and knowledge learned.

### VEX Competition Team

- HS3509

**One Trimester/.5 credit**

**Grades 10-12**

**Prerequisite: VEX Robotics 2**

**Course must be taken both trimesters 1 and 2**

In the VEX Robotics Competition, teams of students are tasked with designing and building a robot to play against other teams in a game-based engineering challenge. Classroom STEM concepts are put to the test as students learn lifelong skills in teamwork, leadership, communications, and more. Tournaments are held October to February. Teams are scheduled for 2-3 Saturday competitions over the two trimesters.

### Siege 101 Sea, Land & Air

- HS3514

**One Trimester/.5 credit**

**Grades 9-12**

Seige is a course that encompasses three different areas of study: engineering, physics and history all centered around a theme (land, sea, air). Students are grouped by theme at the beginning of the course.

#### Option 1: Sea (Submarine)

**Prerequisite: Algebra 1 or concurrent**

This course will be an aligned curriculum, which will include three different subjects over one trimester based around water.

The three classes will be conducted around Submarines:

Engineering, Designing and Building a Submarine. The physical science of the Submarine; The history of the beginning of the Submarine. and the civil war.

#### Option 2: Land (Trebuchet)

**Prerequisite: Geometry or concurrent**

This course will be an aligned curriculum, which will include three different subjects over one trimester based around Land.

The three classes will be conducted around the Trebuchet: Engineering, Designing and Building a Trebuchet. The Physical science of the Trebuchet; The history of the times of the Trebuchet and Medieval Times

#### Option 3: Air (Planes)

**Prerequisite: Algebra 2 or concurrent**

This course will be an aligned curriculum, which will include three different subjects over one trimester based around Air.

The three classes will be conducted around the building and flying planes: Engineering, Designing and Building a Plane. The physical science of the Plane; The history of the times of Flight.



# Course Descriptions Career & Technical Courses (Vocational Schools)

*Bonny Eagle participates in both the Westbrook Regional Vocational Center (WRVC) and Portland Arts & Technology High School (PATHS) programs and enrolls students in 29 different career technical areas.*

Student selection is based upon the following:

- Scheduled visit & interview with instructor
- Interest and need of program
- Past performance in related courses
- Attitude, ambition and willingness to learn
- Potential to perform skills in program
- Parental/guardian permission

Space is limited in each program. Students are encouraged to schedule a visit in a timely manner. Students participating in the programs at WRVC and PATHS are expected to ride the transportation provided by the MSAD #6 Board of Directors. Students AND parents/guardians will sign a contract that outlines expectations for grades, attendance, and behavior.

## WESTBROOK REGIONAL VOCATIONAL CENTER

### **Automotive Technology – HS8100; HS8200** **Grades 11-12 Two Year Sequence 3 credits/year**

Automotive Technology is a challenging and exciting program that utilizes up to date technology to diagnose and repair complex modern automobiles. Our program is certified by the National Automotive Technical Educational Foundation (NATEF) and Automotive Youth Education Systems (AYES). The program begins with a focus on safety and how to operate shop equipment. We then progress into learning about electrical systems, brake systems, steering and suspension systems and engine performance, which includes ignition, fuel and emission systems. Tech II students are encouraged to take professional ASE certification exams. Students who complete the program can continue their education or enter the workforce in a variety of related fields.

### **Building Trades – HS8101; HS8201**

#### **Grades 11-12 Two Year Sequence 3 credits/year**

This is a vocational program designed for students who are interested in preparing for a career in carpentry or related fields. Students will have access to the latest in building technology and tools. The class will emphasize safety, skill development, and the proper use and care of hand, portable and stationary power tools. Students will gain experience in building layout, rough and finish carpentry, estimating, blueprint reading, jobsite safety, quality workmanship and customer service. Students in the program construct an energy efficient spec house on site over a two-year time period.

### **Business – HS8102; HS8202**

#### **Grades 11-12 Two Year Sequence 3 credits/year**

Business Education prepares students for many roles in the world of business. This program focuses on Office Administration, Management, Accounting, and Entrepreneurship. These components are designed to equip students with the essential skills for working in any office setting, managing people, processing business transactions, handling money, and thinking like an entrepreneur. The Office Administration component prepares students to work in an office setting in a wide range of industries. Students become proficient users of Microsoft Office software applications including word processing, spreadsheets, and presentations. The Management U component focuses on three areas. Students develop personal management skills to function effectively in their personal lives. They also learn how HR impacts hiring, training, supporting, and supervising employees. Since many students are, or most likely will be, interested in various management roles at some point in their career, the main functions of managers, management and leadership styles are examined. The Accounting component familiarizes students with the fundamental theory and principles of accounting. Students will be able to perform the functions of the accounting cycle. Students will also learn how to use Quickbooks Online to record business transactions. The entrepreneurship component provides students the time and space to create and develop a product or service that solves a problem or meets a need, and gives them the opportunity to pitch their innovative ideas to a panel of judges to win funding (currently a couple thousand dollars) to help turn their wishful thinking into a reality.

### **Commercial Driver's License – HS8103; HS8203**

#### **Grades 11-12 Two Year Sequence 3 credits/year**

Commercial Driver's License may be taken as either a one or two-year program. Students who successfully complete this program will be eligible to earn either a Class B or Class A commercial driver's license. The Class B course is open to both juniors and seniors; the Class A course is open only to seniors. Students who successfully complete Class B training and obtain a Class B license will receive preferential admission to the Class A course. This program follows the state required curriculum for commercial truck driver training. The course includes classroom, parking, and driving instruction. Students must also earn a 10-hour OSHA safety certificate. Eligible students must hold a valid Maine driver's license and have a clean driving record. A drug test will be required following attaining a CDL learner's permit. Additional drug and/or alcohol testing may also be required.

### **Computer Repair & Networking – HS8104; HS8204**

#### **Grades 11-12 Two Year Sequence 3 credits/year**

WRVC is proud to offer motivated students the opportunity to develop skills in the challenging and rewarding field of Information Technology Support (IT Tech Support). Students enrolled in this program will be concurrently enrolled in Cisco Networking Academy, which offers students opportunities in basic network troubleshooting and design. The Computer Repair and Networking program will prepare students for either an entry level IT job or post-secondary educational opportunities.



# Course Descriptions Career & Technical Courses (Vocational Schools)

## **Computer Science and Multimedia – HS8115; HS8215** **Grades 11-12 Two Year Sequence 3 credits/year**

Computer Science and Multimedia is a vast discipline which spans from coding to video editing. The computer science domain includes software development, video game design, image editing, web development, and computer engineering. Multimedia also covers areas of Photoshop, video editing, 3D building, and video game design. Students will start with Intro to programming, where students will learn to build code for video games. Students will work with breaking code out of the screen with Arduino and MicroBit controllers. Students will be able to wire and add resistors to projects that interact with the environment. Video game design classes test student's ideas about what a game is and how they are made. Video editing marches into the fields of editing, effects, and streaming.

## **Cosmetology – HS8116**

### **Grades 11-12 Two Year Sequence 3 credits/year**

Cosmetology involves the study and practice of beauty treatments, including hairstyling, nail care, skin care and makeup. A cosmetologist can choose to specialize in one or more of these areas. Fashion-forward, self-expressive students will be interested in our Cosmetology program, which will train them for licensing and employment in related fields. In this program, students learn to apply their technical and interpersonal skills. Instruction in human anatomy and physiology provides students with a deeper understanding of the scientific aspects of hair, skin, and nail care. This two-year program allows students interested in the field of Cosmetology to begin their training by earning approximately 700 hours of the 1500 hours required for a Maine Cosmetology license over the two years. These hours will transfer to post-secondary Cosmetology schools and enable students to begin their studies with a portion of the program completed.

## **Criminal Justice – HS8111**

### **Grades 11-12 Two Years 3 credits/year**

The Criminal Justice program is an introduction to Law Enforcement. You will study subjects such as search and seizure as they apply to our Constitution, and use of force. Forensic Science and Crime scene processing are a few of the more than 40 subject areas of Law Enforcement that you will explore. The culminating experience for Criminal Justice students is to receive an introduction to police weaponry. Students receive training from State of Maine certified fire-arms instructors in the identification, uses, and deployment of police weapons and use of force such as take down techniques and self-defense.

## **Culinary Arts – HS8105; HS8205**

### **Grades 11-12 Two Year Sequence 3 credits/year**

In this program, students will learn about and practice food preparation, service and presentation of meals, quantity food production, bakeshop, table service, catering for community organizations, and cake decoration. These experiences will prepare students to enter the foodservice industry. Interest, natural ability and food skills are determining factors in the progress of the student. Students will practice basic knife skills and utilize a variety of professional tools. Students will learn the preparation of stocks, classical "Grande Sauces", appetizers, hors d'oeuvres, sandwiches, entrees and desserts. Safety and sanitation are stressed throughout. Included within this program are the National Restaurant Association's ProStart® curriculum proficiencies for secondary education.

## **Early Childhood Occupations – HS8106; HS8206**

### **Grades 11-12 Two Year Sequence 3 credits/year**

Early Childhood Occupations Education is designed to prepare students for careers involving children. Students should love children, have good communication skills, be responsible, dependable, work well independently and read at grade level or above. First year students will participate in our You N' Me nursery school on a rotating basis. While working in the nursery school, students will work in teams to plan and implement activities according to a curriculum theme. Second year students work with 3 year olds in the nursery school and complete field site hours. Students who successfully complete the program will satisfy requirements for the Certified Early Childhood Associate (CECA) certification.

## **Electricity – HS8107; HS8207**

### **Grades 11-12 Two Year Sequence 3 credits/year**

This program is designed to provide entry-level skills into the electrical field. Students learn to install wiring systems from blueprints and according to the National Electrical Code. Participants will learn to wire residential and commercial projects. Students work on safety at all times in the course. Students will wire splices, low voltage systems, nonmetallic and metallic cables and wiring in conduits. Physics and Ohms Law calculations are used frequently. A vast amount of time is spent practicing switching circuits. Students are exposed to real world situations every day. Moral business practices and finances are discussed frequently.

## **Emergency Medical Technician (EMT) Basic– HS8112**

### **Grades 11-12 One Year 3 credits/year**

EMT is a one year course of study for mature WRVC juniors and seniors who want to serve their community in a growing Public Safety field. This course provides students the entry-level knowledge and skills necessary to render basic emergency medical care to the sick and injured. It also provides the foundation for advanced training in Para-medicine. Through discussion, practical labs and clinical field experience students are introduced to patient assessment, airway and respiratory problems, cardiopulmonary resuscitation, oxygen therapy, bleeding control, shock management, soft tissue injuries, fracture care, spinal immobilization, patient triage, and obstetrical, pediatric, environmental and behavioral emergencies.

## **Fire Fighting – HS8113**

### **Grades 11-12 One Year 3 credits/year**

Fire Fighter I & II is a one-year course of study based on the latest Standards for Fire Fighter Professional Qualifications. Upon successful completion of this program you will qualify to test for State Certification in Fire Fighter I & II. Area colleges that offer Fire Science programs typically award up to 6 college credit hours for this nationally recognized certification. WRVC Students enrolled in this program must be mature and willing to participate in rigorous physical fitness training. Students are also highly encouraged to become junior firefighters in their local fire departments, allowing them to gain insight into the daily roles and responsibilities as well as vital field experience of the Fire and EMS Service.

# Course Descriptions Career & Technical Courses (Vocational Schools)

## **Heavy Equipment Operation – HS8108; HS8208**

**Grades 11-12 Two Year Sequence 3 credits/year**

**Prerequisite:** A drug test will be required upon acceptance to the program.

HEO provides students with the opportunity to learn and practice operation skills on a variety of equipment used in various fields. Topics covered in this program include basic construction safety, introduction to site and road layout, identification of heavy equipment, preventative maintenance and proper operation of heavy equipment. Basic operator skill development will begin on excavation simulators and continue with the operation of machinery. Students will learn basic skid steer, dozer, front end loader and excavator operation. They can also obtain the 10-hour OSHA safety certificate. The student textbook will be from the National Center for Construction Education and Research. Class and lab work will be supplemented with field trips to job sites, local mining (gravel) pits and dealerships.

## **Medical Occupations – HS8110, HS8210**

**Grades 11-12 Two Year Sequence 3 credits/year**

Medical Occupations is a program where students are able to investigate different professions within the healthcare system. Students spend a great deal of time applying practical healthcare skills related to subjects such as anatomy, disease process, and medical terminology. Over two years, students have the opportunity to obtain a certification as a Certified Nursing Assistant. Those that choose to participate in the CNA program will be required to attend 70 hours of on site training at a local nursing home, and pass a state exam. For those who are considering a career in healthcare, Medical Occupations at WRVC provides students with a strong foundation. Many graduates return reporting that they felt well prepared and had an advantage over other incoming college students.

## **Social Service – HS8114**

**Grades 11-12 One Year Program 3 credits/year**

Students participating in this one-year program receive instruction leading to two professional-level certifications. These certifications prepare students to work with individuals who have developmental and/or intellectual disabilities. Additional instruction will be given to make students highly eligible for employment opportunities at various social service agencies. The program will also provide an excellent foundation for continued study and professional development in this field. Using highly interactive curricula, students will learn information and strategies critical to providing direct care to children and adults with developmental and intellectual disabilities. They will apply those strategies via classroom activities and hands-on experiences with individuals receiving services through Woodfords Family Services in Westbrook.

## **PORTLAND ARTS & TECHNOLOGY HIGH SCHOOL (PATHS)**

## **Auto Collision Technology – HS8150**

**Grades 11-12 Two Year Sequence 3 credits/year**

Students will learn the skills necessary to analyze damage and write estimates for repairs, use state of the art frame measuring equipment that relies on ultrasound technology to repair structural damage with frame machines capable of 20,000 pounds of pulling force, mixing and matching paint, HVLP spray guns, painting (waterborne and solvent based), and specialty paintwork like striping and flaming, non-structural repairs and techniques like adhesive panel replacement, Steel MIG welding, airbags, moveable glass and more!

Certification Opportunities: I-CAR Platinum Pro Level 1 Paint & Refinishing, I-CAR Platinum Pro Level 1 Non-Structural Repair, I-CAR Steel MIG Welding, ASE Student Paint & Refinishing, ASE Non Structural Repair, SP2 Safety

**NEW**

## **Careers in Education – HS8167**

**Grades 11-12 Two Year Sequence 3 credits/year**

The Careers in Education program is designed for students contemplating a career as a teacher or in any occupational area that focuses on children. Students will acquire the knowledge, attitude, behaviors and skills required to be effective in a school setting or in the wider community. Through partnerships with SMCC and Educators Rising, students will explore careers such as teaching, social work, and specialized therapy (occupational therapy, speech therapy, and developmental therapy). The program offers practical experience in our on-site, public pre-kindergarten classroom in which classroom instruction is applied in a real situation. Students will also learn about the art and science of teaching, educational philosophies, stages of development, curriculum planning, observation and assessment, and partnering with families. Students will be expected to participate daily in our on-site pre-kindergarten classroom, complete weekly written performance reflections, perform weekly child observations, create lesson plans and learning materials, and create a professional portfolio. The program offers students completing the two-year sequence of study an opportunity to explore various levels of teaching through internships.

## **Commercial Art – HS8151**

**Grades 11-12 Two Year Sequence 3 credits/year**

**Prerequisite:** Art ability assessment test required at time of visit.

This program helps students learn how to make and market their art to generate income. Building a strong portfolio and setting up art exhibits to show and sell work is ongoing. Students learn how to effectively create layout and design for posters, logos, illustrations and tee shirts by hand and computer. Each year students will participate in competitions and have their work exhibited at various locations in the community. A weekly sketchbook is mandatory as well as constructive critiques of student work. This class is a great opportunity to learn how to strengthen art and computer skills while demonstrating creativity. The curriculum also provides the opportunity to earn AP Art certification for college.

# Course Descriptions Career & Technical Courses (Vocational Schools)

## **Biomedical & Health Science – HS8163, HS8263**

**Grades 11-12 Two Year Sequence 3 credits/year**

**Prerequisite:** One year of Biology is preferred. Students must be at least 16 years old and take an entrance exam.

This program provides students with the opportunity to explore three different tracks: nursing, dental or veterinary. The first year introduces the students to careers in health sciences. Students study anatomy, physiology, nutrition, diet therapy, and complete a medical research project through field trips, demonstrations, and classroom instruction. The second year prepares the student in basic health science skills, body mechanics, aseptic techniques, and medical terminology. Students are placed in clinical experiences of their choice during the second semester. This Program also serves as a foundation for further education in a technical school or college.

## **Dance (PM Session Only) – HS8153**

**Grades 11-12 Two Year Sequence 3 credits/year**

**Prerequisite:** After an initial first visit, potential students must participate in an audition/class. The audition class is scheduled in May or dancers may audition individually by setting up a date with the instructor.

This program is a modern dance based program for high school students interested in pursuing a professional experience in the performing arts. Students take daily technique classes in modern dance and ballet technique as well as hip-hop, choreography, dance composition, and improvisation. Students are exposed to a wide range of professional guest artists and other styles of dance throughout the school year in the form of one day workshops or special projects including jazz dance, musical theater, West African dance and drumming, sculpture and dance, theater, yoga, capoeira, salsa. Since the arts academy dance program is a performance based program, students perform several times throughout the school year in our black box theater space at PATHS and at other venues and events in the community such as the PATHS annual fashion show. Students attend concerts and workshops with professional touring dance companies each year in Portland and Boston. After the initial visit, students of all levels are encouraged to visit and apply to the dance program. Successful candidates are serious, mature individuals who are interested in a collaborative, rigorous experience.

## **Landscapes and Gardens – HS8155**

**Grades 11-12 Two Year Sequence 3 credits/year**

This is a supported program, which provides students the opportunity to work in PATHS largest classroom – 40 acres. Students get to experience retail and wholesale marketing techniques through the management of our 3,000 sq. ft. greenhouse. Students will work in our display beds, gardens, and the extensive grounds of our campus. Students will learn about practical greenhouse, landscape, and garden techniques in a supported environment. Students will work on individual and group projects. Curriculum is delivered via Google Classroom and Quizlet Vocabulary.

## **Masonry – HS8156**

**Grades 11-12 Two Year Sequence 3 credits/year**

Fireplaces, barbecue pits, steps, planters, and columns for lighting applications are only a few of the projects you'll undertake in this exciting program. Design and layout of projects using brick, block, dry stone (wall construction), decorative pre-cast concrete, and repair of existing masonry structures are all part of the skills you'll acquire. Students are instructed in shop and job safety practices and procedures. Students receive related instruction in blueprint reading, layout work, measurement, sketching, and estimating. Certification Opportunities: OSHA, Forklift

## **Music – HS8157**

**Grades 11-12 1 or 2 Yr Sequence 3 credits/year**

**Prerequisite:** Student audition, essay, and teacher recommendation prior to enrolling. Students must return for a second visit for an audition.

This program is a two-year music program, you will learn how to interpret and perform many contemporary musical styles from Rock to R&B, Pop to Jazz and Funk. There are three aspects of the program: Performing, Music Theory, Recording Studio. Students perform four times a year, with one evening Rock Show off campus. Students will record each other to create an Album. You will also study music theory, arranging, songwriting, and the ins and outs of the music business. The audio engineering component of the music program is unique in its' approach to introducing students to recording, mixing, music production and live sound. Students receive instruction in recording, mixing, editing, a foundation in the physics of sound and electricity, and an in-depth survey of popular music fundamentals.

## **Plumbing and HVAC Technology – HS8159**

**Grades 11-12 Two Year Sequence 3 credits/year**

Plumbing & Heating is a two- year program providing instruction in all phases of repair, maintenance, and installation of plumbing and heating equipment. One year of the program is spent in the plumbing lab learning to work with all types of pipes, joints, traps, fixtures, tanks, and pumps. In the other year, students study three types of oil heating systems: warm air, steam, and hot water. Students will be involved in the practice of installation, maintenance, and adjustment of equipment, as well as the wiring of the electrical components of oil burners, including trouble shooting, testing, and adjusting. Graduates have basic entry-level skills to enter the workforce or attend technical schools in HVAC, Plumbing, and Heating. Certifications Opportunities: OSHA 10-Hour Safety

## **Marine Systems – HS8162**

**Grades 11-12 Two Year Sequence 3 credits/year**

A willingness to learn, good attendances and a positive attitude are necessary for success. The primary focus of this program serves as an entry level to many post-secondary education and employment opportunities for marine repair facilities, boat yards, boat builders and yacht services. This course is designed to teach the necessary theoretical and practice skills to prepare and educate individuals to become competent marine technicians with career readiness skills and an aptitude for the industry. Students will gain the ability to diagnose, repair, install and rebuild multiple marine systems, inboard and outboard engines, diesel engines, AC & DC electrical, marine electronics and composite boat building and repair. Each section of the program includes a large portion of shop time in order to strengthen the student's hands-on skills.

## **New Media – HS8158**

**Grades 11-12 Two Year Sequence 3 credits/year**

From Adobe Photoshop and Flash to Panasonic and Sony, the New Media program at PATHS introduces students to the basics that all new media producers need. Students are prepared for career or college with an individualized curriculum designed by our staff. Every student will master the basics of graphic design, project design and management, shooting and editing video, and Adobe PhotoShop. Then our staff will work with each student to create a customized program for more advanced study. Introductory topics in New Media include Photoshop. Concepts in Graphic Design, Project Design and Management, and Introduction to Video Creation and Editing. Advanced Topics include Broadcast Programming, Concert Sound Production, Script Writing and Animation, and more

# Course Descriptions Career & Technical Courses (Vocational Schools)

## **Welding Technology & Blacksmithing Basics– HS8160**

**Grades 11-12 Two Year Sequence 3 credits/year**

During the course of this class many performance tests will be administered with a focus on welding with 6010 – 6011 – 6013 – 7018 – 7024 electrodes in the Shielded Metal Arc (SMAW) welding process culminating in the D1.1 structural steel limited plate test. Metal Inert Gas Welding (MIG) and Flux Cored Arc Welding (FCAW) will be taught with certification offered in both first and second year curriculums. Pipe fitting and pipe welding on Schedule 40 6" pipe in the 2G – 5G – 6G positions will be practiced in the second year. Using Tungsten Inert Gas Welding on carbon, stainless, and aluminum plate, tests will also be practiced for advanced students. Plasma Arc Cutting and Carbon Arc Cutting will be introduced and practiced throughout the two-year program. Articulation Agreements and dual enrollments with SMCC and EMCC.

Certification Opportunities: American Welding Society, NCCER

## **Woodworking – HS8161**

**Grades 11-12 Two Year Sequence 3 credits/year**

Woodworking is a supported program where students will learn about tool safety, tools, joinery, turning, fasteners, abrasives, finishes, and computerized CNC routing. Students make individual, group, and class projects from a variety of woods. All students will be exposed to community service, artistic techniques, manufacturing, and custom craftsmanship through field trips and shop project.

# Co-Curricular Activities & Athletic Programs

BEHS offers a rich array of co-curricular activities and every student is encouraged to participate in one or more of these programs

### **Clubs –**

Band, Jazz/Pep, BE Gay/Straight/Transgender Alliance (BEGSTA), Bonny Eagle TV, Civil Rights Team, Class Officers (Fresh/Soph/Jr/Sen), Dramatics/Musicals, History Club, Key Club, Model UN, National Honor Society, Natural Helpers, Outing Club, Pi Cone Junior/Senior Math Teams, Reading Club, Robotics Team, Ski Club, Spanish Language Honor Society, French Language Honor Society, Student Council, Yearbook, YMCA Youth in Government

BEHS is a member of the Maine Principals' Association and competes within the Southwestern Maine Activities Association.

Boys' Athletic Programs - Baseball, Basketball, Cross Country, Football, Ice Hockey (Co-Op w Windham/Westbrook), Indoor Track, Lacrosse, Indoor Track, Outdoor Track & Field, Soccer, Tennis, Wrestling

Girls' Athletic Programs - Basketball, Cross Country, Field Hockey, Ice Hockey (Co-Op w Gorham), Indoor Track, Lacrosse, Outdoor Track & Field, Soccer, Softball, Tennis, Volleyball

WRVC & PATHS Programs = 3 credits

However, these programs count only as two (2) classes toward athletic eligibility.

Co-Ed Athletics - Cheering, Golf, Swimming, Unified Basketball

WRVC & PATHS Programs = 3 credits. However, these programs count only as two classes toward athletic eligibility.



