Message to Parents and Students

I am honored and excited to serve as the Principal of Bonny Eagle High School. Working together with the wonderful staff we are committed to providing students with a quality educational experience. The 2020-2021 Course Selection Guide is designed to provide students with information about course offerings, support services, graduation requirements, AP courses and the Early College Aspirations Program. The Course Selection Guide is also a resource for our families as they support and guide students to ensure their educational experience prepares their student(s) to successfully transition after high school.

The course descriptions in the guide provide information about each course that clarifies course outcomes and expectations. All of our courses are aligned to content and industry standards. This educational reform is a reflection of our transition toward a proficiency-based system. 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 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 are committed to providing instruction directly to student learning that will support them to meet the standards required to earn a high school diploma. Our teachers provide learning opportunities for students that 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 stakeholders.

On behalf of the 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 that the Bonny Eagle High School Staff cares about your student(s) and will do everything possible to ensure that 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 realize your goals. Please feel free to come see me at any time for advice, to answer a question, or to simply chat and catch up.

Sincerely,

Michael Johnson
Interim Principal

Administrative Team

TBD, Principal
Erin Maguire, Assistant Principal, Students A-K
Thomas Noonan, Interim Assistant Principal, Students L–Z
Alicia Adams, Dean of Students, Vocational Program
Eric Curtis, Athletics/Activities Director
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

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
- Accepting Responsibility
- Promoting Lifelong Learning

- Safe Learning Environment
- Communicating Positively and Constructively
- Fostering a Safe, Caring, and Respectful Climate
- Collaborating for Continuous Improvement

Core Beliefs:

- A Self-directed and lifelong learner
- A responsible and involved citizen
- Providing for Diverse Need
Support Services

Main Contact Information: Phone 207.642.9080 or 207.929.3840 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. – 2:15 p.m. each school day.

Alyssa Dolson  School Counselor  207-648-7836  adolson@bonnyeagle.org
Wendy Spaulding  School Counselor  207-648-7822  wspaulding@bonnyeagle.org
David Steckino  School Counselor  207-648-7821  dsteckino@bonnyeagle.org
Karen Wade  School Counselor  207-648-7819  kwade@bonnyeagle.org
Tom Shann  School Counselor  207-648-7828  tshann@bonnyeagle.org
Estelle Knight  Secretary  207-648-7816  eknight@bonnyeagle.org
Dawn Staples  Secretary  207-648-7838  dstaples@bonnyeagle.org
Brenda Luedders  Registrar  207-648-7326  bluedders@bonnyeagle.org

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.

Cyndie Lane  Drug & Alcohol Counselor  207-648-7927  clane@bonnyeagle.org
Dana Manel-Jarvis  Social Worker  207-648-7866  dmaneljarvis@bonnyeagle.org
Jon Picchiotti  Special Ed Social Worker  207-648-7926  jpicchiotti@bonnyeagle.org

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.
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 are encouraged to complete another credit each in mathematics and science and at least two credits in a foreign 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. Students are transported 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 INTERVENTIONS
Hours: M-Th. 2 – 4 PM
The Study Center is located in the new wing and provides free academic support for students who need help with assignments, tests, study skills, projects, and class papers. Teachers and experienced tutors staff the Study Centers. Also, we have Teacher Interventionists available after school in Math, Science, Social Studies and English to ensure all students are academically successful.

LITERACY PROGRAM AND REQUIREMENT
Literary Specialist can be reached at ext 860
The mission of Bonny Eagle High School is for all students to become motivated, lifelong 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 trimester-long 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 preventative 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 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 ACCOMMODATIONS
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
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

- 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 honor roll status and to establish rank in class
- 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.

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 of 2020 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.

<table>
<thead>
<tr>
<th>Honor Recognition</th>
<th>Cum Laude</th>
<th>Cumulative GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Gold:</td>
<td>Cum Laude</td>
<td>3.3 or higher</td>
</tr>
<tr>
<td>Double Gold:</td>
<td>Magna Cum Laude</td>
<td>3.7 or higher</td>
</tr>
<tr>
<td>Triple Gold:</td>
<td>Summa Cum Laude</td>
<td>3.9 or higher</td>
</tr>
</tbody>
</table>
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

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

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.

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

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 that MAY AFFECT ATHLETIC AND HONOR ROLL ELIGIBILITY unless there are medical circumstances.

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

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 project 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/Technology/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.
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 waivers may be available for those who qualify. Successful completion of an AP class can mean college credit at most colleges. BE offers the following AP courses:

<table>
<thead>
<tr>
<th>AP COURSE</th>
<th>PREREQUISITE</th>
</tr>
</thead>
<tbody>
<tr>
<td>AP English Literature &amp; Composition</td>
<td>Honors English 11 or English 11 or AP Language &amp; Comp</td>
</tr>
<tr>
<td>AP English Language &amp; Composition</td>
<td>Honors English 10 or English 10</td>
</tr>
<tr>
<td>AP Biology</td>
<td>Biology &amp; Chemistry (Honors recommended)</td>
</tr>
<tr>
<td>AP Chemistry</td>
<td>Algebra II and Lab Chemistry</td>
</tr>
<tr>
<td>AP Physics</td>
<td>Calculus and Honors Lab Physics Recommended</td>
</tr>
<tr>
<td>AP Statistics</td>
<td>Algebra II</td>
</tr>
<tr>
<td>AP Calculus A/B, B/C</td>
<td>Honors Precalculus &amp; Trigonometry</td>
</tr>
<tr>
<td>AP Government &amp; Politics</td>
<td>No Prerequisite</td>
</tr>
<tr>
<td>AP U.S. History</td>
<td>Honors U.S. History Recommended</td>
</tr>
<tr>
<td>AP Studio Art: 2-D Design</td>
<td>Advanced Art and / or recommendation</td>
</tr>
<tr>
<td>AP Studio Art: 3-D Design</td>
<td>Advanced Art and / or recommendation</td>
</tr>
<tr>
<td>AP Studio Art: Drawing</td>
<td>Advanced Art and / or recommendation</td>
</tr>
</tbody>
</table>

**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](http://www.ap4all.org). For more information, please see your school counselor or check the AP4ALL website.

EARLY COLLEGE ASPIRATIONS PROGRAM (ECAP)

**What is Early College Aspirations Program?**

Early College Aspirations Program (ECAP), 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 (SJ), York County Community College (YCCC), UM 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 AP level.

**Why should I take an Early College Aspirations 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!
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

<table>
<thead>
<tr>
<th>English Courses</th>
<th>Math Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 9</td>
<td>Algebra I</td>
</tr>
<tr>
<td>Honors English 9</td>
<td>Geometry</td>
</tr>
<tr>
<td>English 10</td>
<td>Honors Geometry</td>
</tr>
<tr>
<td>Honors English 10</td>
<td>Algebra II</td>
</tr>
<tr>
<td>English 11</td>
<td>Honors Algebra II</td>
</tr>
<tr>
<td>Honors English 11</td>
<td>Calculus</td>
</tr>
<tr>
<td>AP Language &amp; Composition</td>
<td>AP Calculus</td>
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<td>U.S. History</td>
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<td>Honors Lab Physics</td>
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<td>The Rise of Modern Europe and the West</td>
<td>Human Anatomy &amp; Physiology</td>
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<td>The World Wars and Cold War Conflicts</td>
<td>Aquatic Biology</td>
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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.

For more information visit the Massabesic school website at:
Massabesic High School Program of Studies 2020-2021

SAT Prep – HS0102
One Trimester/1 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.

NJROTC, SAT Prep & JMG (CED)

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/1 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 insurance, filing income tax returns, and budgeting.

Learning Standards: CED 3, 4, NCDG CM 1, 2, 3, 4
**Course Descriptions**

**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!

**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.

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

**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. Sometimes 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

**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

Extended Learning Opportunities (ELO) is a program offered to juniors and seniors. 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 – HS0300A, HS0300B

One Trimester/Up to .5 credit (each)
Grades 11-12
Prerequisite: 16 years old & employed or seeking employment

Students will participate in class instruction related to the World of Work and Careers. *Part of your time may also be on a work site. Your teacher/coordinator will meet with your work site supervisor during the trimester. The work requirement is on a part time basis, usually 15 to 24 hours per week. This may be a first-time work experience or reflect your career interests. The employed student must have reliable transportation and maintain good attendance at school and work. The school, employer, student, and parents enter into a collaborative training agreement. Section HS0300A students will assess their skills and demonstrate how to find, apply for and secure employment or career options. Section HS0300B will research further on post high school career and work options.
planning with a variety of resources and opportunities to research and plan for training, education and career choices.

Course Standards:  CED 1,2,3

Work Experience- On the Job Training – HS0302
One Trimester Work/ 1 credit
Grades 11-12
Students may earn credit for work experience. In addition to your daily 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 10-24 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

FAMILY & CONSUMER SCIENCE COURSES

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 within 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 Coursebook, 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 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 Common Core 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.

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.

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 and John Steinbeck’s Of Mice and Men 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 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 1A, C, 1D, 1E, 2A, 3A, B, 4C, 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. In addition students will use the Sadlier-Oxford Vocabulary Workshop Level E to strengthen their vocabulary. 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. In addition students will use the Sadlier-Oxford Vocabulary Workshop to strengthen their vocabulary. 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. Students will use the Sadlier-Oxford Vocabulary Workshop Level G to strengthen their vocabulary. 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, 4A

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). In addition students will use the Sadlier-Oxford Vocabulary Workshop Level G to strengthen their vocabulary. 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, 3A,F, 3A,B,C, 5A,B

English 11 A – HS1300A
One Trimester/.5 credit
Grade 11
Prerequisite: English 10 A&B
In preparation for college-level work, students will continue to improve their reading and writing skills. They will read and analyze Fitzgerald’s The Great Gatsby, and Miller’s Death of a Salesman or another American play that explores the concept of the American Dream. Students will write literary analyses, and an argumentative essay. This class also includes a formal study of grammar. Vocabulary will be studied in context.

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

English 11 B – HS1300B
One Trimester/.5 credit
Grade 11
Prerequisite: English 11A
The focus of this trimester will be the reading of non-fiction texts and the use of multiple sources to craft persuasive and informative texts, including a multi-genre synthesis essay. Students will also write and present a persuasive speech. This class also includes preparation for the SAT and a continuation of the study of grammar and vocabulary in context.

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 Nathaniel Hawthorne’s The Scarlet Letter. 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 with the reading of The Great Gatsby and an exploration of the American Dream in plays, poetry, song, and popular culture. 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

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.
Course Descriptions

English 12 A – HS1400A
One Trimester/.5 credit
Grade 12
Prerequisite: English 11 A&B
This course is designed to prepare all students for post-secondary instruction. Students will read and analyze a variety of fiction and non-fiction. This reading will include selections from 40 Best Essays, a novel that students will read as part of a book group, and Shakespeare’s MacBeth. Students will use informal class discussions and formal written literary analysis to voice their exploration of these texts. Students will keep a Writer’s Notebook and create their own personal narrative/college application essay. This class includes a formal study of grammar. Vocabulary will be studied in context. While some time will be devoted to personal writing, expository writing will be a major component of this class.

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

English 12 B – HS1400B
One Trimester/.5 credit
Grade 12
Prerequisite: English 12 A
This course is designed to prepare all students for post-secondary instruction. While English 12A focuses on fiction and narrative, this class will focus on the Art of Argument. A significant portion of class time will be devoted to rhetorical analysis of model essays and speeches. In addition, students will complete multiple drafts of two major assignments: an argumentative essay, and an argumentative research paper on a book of their choice. This class includes a formal study of grammar. Vocabulary will be studied in context.

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

Broadcast Journalism B – HS1600B
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. Students may take this class without having completed Journalism A with the permission of the instructor. The class can also be taken more than once during a student’s four years at BEHS.

Instructor will help students work towards meeting the following course standards:


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.

The class will include some review of the SAT and college placement tests.

Course Standards: BE 1C,D, 2A,2C,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 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.

The class will include some review of the SAT and college placement tests.

Course Standards: BE 1C,D, 2A,2C,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.


English Courses

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.

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 prompt 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
### Sculpture II – HS9201
**One Trimester/.5 credit**  
**Grades 10-12**  
**Prerequisite:** Sculpture I

In Sculpture II, students will engage in more sophisticated and complex approaches to sculpting while continuing to develop methods and skills learned in the previous sculpture class. Projects may include working with wire, body casting, found object sculpture. We are excited to add student use of a 3D printer for the production of student work. Students will continue to read and write about art, and participate in group critiques. Audio-visual support materials will be used to augment students’ understanding and encourage their creativity. Work will be displayed where practical. Students will complete a final work that exhibits a high level of skill and personal exploration.

Course Standards: VPA 1,2,3,4

### Illustration & Lettering – HS9203
**One Trimester/.5 credit**  
**Grades 10-12**  
**Grade 9 with instructor’s consent**  
**Prerequisite:** Art I

This course emphasizes two-dimensional art forms of lettering, computer graphics and illustration. Drawing skills are essential. Drawing processes of pen and ink, watercolor and colored pencil among other mixed media art taught. The Art of the Book, using different style binding (Japanese, traditional and more inventive techniques) is explored. Research assignments are required in the study of typography and illustration.

Course Standards: VPA 1,2,3,4

### Art and Technology in the 21st Century – HS9205
**One Trimester/.5 credit**  
**Grades 10-12**  
**Prerequisite:** Art I and 1 other Visual Arts course

Do you like making art, want to use a 3D printer, and wonder what creating in Virtual Reality is all about? In this course, the latest tools of technology are put in the hands of students who want to create. Students will learn to paint and sculpt in Virtual Reality using Google Tilt Brush and the HTC Vive (similar to the Oculus Rift). Students will learn to digitally draw and paint using Corel Painter and the Wacom Digital Drawing Tablet, and use a large format inkjet printer. Students will also use CAD software to create and print 3D designs on a 3D printer. The course will culminate with the production of a digital portfolio and the development of a personal web page using Google Digication. This course is an elective that is limited to students that have already met their Fine Art requirement (2 Art courses/1 credit).

Course Standards: VPA 1,2,3,4
Honors Advanced Art – HS9300
One Trimester/.5 credit
Grades 11-12
Prerequisite: Art I and 1 other visual arts course
This class prepares art students for further study of the arts at college. Emphasis is placed on portfolio development based on the individual’s strengths. Students are asked to critique their work and the work of others. They must be self-motivated and willing to experiment. Drawing, painting, sculpture, and craft techniques must be developed. Seniors or students with outside art experience (Voc-Tech or Maine School of the Arts) are eligible to take the course with permission of the instructor without prerequisite. Students will develop digital portfolios for reference and participation in art competitions. Research papers are required.
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, HS9302C
One Year (each)/1.5 credit (each)
Grades 11-12
Prerequisite: A portfolio of best work and recommendation letters from parents or faculty.
Participation in the National Scholastic Art Competition
Required to take the AP exam in May.
This course enables highly motivated students to do college-level work in studio art while still in high school. At the end of one year of work, students must submit a portfolio of 35 finished works for evaluation by the College Board. In addition to studio work, students engage in research, writing, and group critiques. 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. Students will develop digital portfolios for reference and participation in art competitions. Research papers are required. Students are expected to work above and beyond the level of the high school curriculum. Students must meet with the art teachers for portfolio review.
The goal is to prepare a portfolio of eight works for the competition.
Course Standards: VPA 1, 2, 3, 4

Video Production I – HS9206
One Trimester/.5 credit
Grades 10-12
Student will learn and develop skills in acquiring and editing digital video. Both individual and group projects will be created. Films such as: a commercial, public service announcement, short interview, tutorial, and a final choice film will all be created. The final project might be one of the following: a television show, a mini movie, or a documentary. The students will learn how to create a storyboard; write a treatment, and will use creativity as they produce projects that deliver distinct messages. The films will likely be displayed on BETV.
Course Standards: VPA 1, 2, 3, 4

Video Production II – HS9207
One Trimester/.5 credit
Grades 10-12
Prerequisite: Video Production I
Video Production II is a trimester class for the dedicated video students that want to continue to develop their knowledge and skill in the areas relevant to Video Production. A continued study of the editing software, use of digital cameras, and a variety of microphones, as well as the use of lighting techniques will enhance the projects the students take interest in creating. Working with a client, visual and special effects are also components of this class. The students will write a treatment, script or storyboard, and have the instructor’s approval for each project. Each student will create a video montage/ portfolio and display it on BETV, channel 7.
Course Standards: VPA 1, 2, 3, 4

Film History and Appreciation – HS9102
One Trimester/.5 credit
Grades 9-12
This is a trimester class for the student that has an interest in the History of Film. An in-depth study is made of the creative uses of technical breakthroughs of the 1890’s to present, from Moving Pictures to Movies. An emphasis is placed on the connection between movies and events in society. The student will view, analyze, and critique each film presented. The student will also be tested on how film has developed as an art form, created a message for its audience and affected society.
Course Standards: VPA 3, 4

Photography – HS9208
One Trimester/.5 credit
Grades 10-12 only
This 12-week course focuses around photographic composition, the art of photography, and black and white film photography. The following are some of the topics covered: the elements and principles of art, F-stops, depth of field, appreciation of photography, composition, film processing, use of a darkroom and making enlargements from negatives. Students will use a variety of cameras to shoot images.
Course Standards: VPA 1, 2, 3

Theatre I – HS9103
One Trimester/.5 credit
Grades 9-12
Theatre I is an introductory course in which all students will participate in a variety of theatre-based experiences. They will develop skills in creative expression through both performing and technical theatre (set and costume design and construction). Students will act in a children’s play that tours to SAD 6 elementary schools. An overview of theatre history, appreciation and analysis /criticism will be included in the course. Participating in the many aspects of theatre will provide a greater understanding of theatre as an art form and as a means of recreation and renewal.
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 writing and development of an original performance piece. Students will continue to develop acting skills through work with monologues and scenes from plays from different periods of theatre history. In-depth script analysis, directing, lighting and makeup are also new units of study. The class will be encouraged to write 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 1 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
This will be a practical, hands-on course, with wood construction and painting, to create the scenery, lighting, and costumes for a Bonny Eagle Drama production in the fall, winter, or spring. It is designed for students 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, 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 and as a means of recreation and renewal. Students will be exposed to the various possibilities for careers available behind the scenes in entertainment industries.
Course Standards: VPA 1,2,3,4

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

Improvisation – HS9109
One Trimester/.5 credit
Grades 9-12
Improvisation (referred to by many as “jamming”) allows for spontaneous creation of solo instrumental music while playing in a jazz or rock setting. Students who play any musical instrument may take this course to develop the skills necessary to improvise. Students interested in jazz band are strongly encouraged to consider this class as a supplemental course of study. Students will learn various forms of music, music theory, and analysis, through interaction with their instrument. Play-along mp3’s and group performance will be a vital part of this class.
Course Standards: VPA 1,2,3,4

Freshman Band – HS9107A
Two Trimesters (Trimesters 1 & 2 only)/1 credit
Prerequisite: Middle School Band or instructor’s consent. Requires attendance at all concerts.
The instrumental music program is open to all freshmen 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. After taking Freshman Band for the first two trimesters, students are encouraged to take Concert Band for the 3rd trimester.
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
RL.9-10.4 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

Graphic Design – HS9117
One Trimester/5 credit
Grades 9-12
This course covers graphic design in print. Students will learn to use Adobe Illustrator, and will use this program to create projects based in the elements and principles of art and design. The following are some of the topics covered: typography, audience, image selection, the elements and principles of design, adobe photoshop and adobe illustrator. Students will use both hands on and digital techniques to explore visual representation of ideas.
Course Standards: VPA 1, 2, 3

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 students ability and a research project on their chosen instrument. *Students interested in learning guitar or piano should sign up for Guitar/Piano Class.
Course Standards: VPA 1, 2, 3, 4, EDC

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

Material Science – HS3500
One Trimester/.5 credit
Grades 9-12
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.

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.

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.

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.

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.

Computer Science – HS3512
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.

Web Page Design – HS3513
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: Meets BEHS Career/Education Development Standards

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

Technology & Engineering Courses

App Design – HS3515
One Trimester/.5 credit
Grades 9-12
Want to build apps for your mobile device? This course will utilize open-source applications and provide a foundation for creating interactive apps for Android and/or iOS devices (dependent on software availability). Through the use of basic coding and the design process, students will have the opportunity to learn all aspects of the creative, business, and technological components required to launch a new mobile device app.

Course Standards: HS.IT.1, 4

Science Island – HS6507
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.

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

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.

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 tractions. 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.
Students are required to pass three courses for the BEHS graduation requirement. The Math Department encourages all students to take four courses because it is the recommendation of many colleges.

Selected Topics for Algebra – HS4101
One Trimester/5 credit (Elective) Grade 9
Prerequisite: Pre-Algebra or instructor recommendation
In this course, 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.
Course Standards: BE: 1A, 2A,B,C, 3C

Selected Topics for Geometry – HS4201
One Trimester/5 credit (Math) Grade 9
Prerequisite: Algebra 1A
In this course, 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.
Course Standards: BE: 1A, 2B,C, 3C, 4B

Algebra I A – HS4102A
One Trimester/5 credit Grades 9
Prerequisite: Pre-Algebra
In this course, students will reinforce their skills in statistics and solving equations and inequalities. Students will develop skills in writing and graphing and writing linear equations and inequalities and writing linear functions.
Course Standards: BE: 1A, 2A,B,C, 3C, 5A

Algebra I B – HS4102B
One Trimester/5 credit Grades 9
Prerequisite: Algebra I A
In this course, students will focus on solving and writing systems of linear equations and inequalities, laws of exponents and radicals and operations with polynomials.
Course Standards: BE: 1A,B, 2A,B,C, 3A,C

Geometry A – HS4202A
One Trimester/5 credit Grades 9-10
Prerequisite: Algebra I A&B
In this course, students study geometry using deductive reasoning. The topics of study include: definitions, logic, theorems, basic geometric relationships, angles, parallel and perpendicular lines, triangles and congruence. This course will go more in depth and have a greater emphasis on logic and formal proofs.
Course Standards: BE: 1A, 2A, 4A,B,D

Geometry B – HS4202B
One Trimester/5 credit Grades 9-10
Prerequisite: Geometry A
In this course, students will study geometry using deductive reasoning. The topics of study include: definitions, logic, theorems, quadrilaterals, similarity, right triangle trigonometry, circles, solids, area and perimeter, volume, and coordinate geometry.
Course Standards: BE: 1A, 4A,B,C,D

Honors Geometry A – HS4203A
One Trimester/5 credit Grades 9-10
Prerequisite: Algebra I A&B
In this course, students study geometry using deductive reasoning. The topics of study include: definitions, logic, theorems, basic geometric relations, angles, parallel and perpendicular lines, triangles and congruence. This course will go more in depth and have a greater emphasis on logic and formal proofs.
Course Standards: BE: 1A, 2A, 4A,B,D

Honors Geometry B – HS4203B
One Trimester/5 credit Grades 9-10
Prerequisite: Geometry A
In this course, students study geometry using deductive reasoning. The topics of study include: definitions, logic, theorems, quadrilaterals, similarity, right triangle trigonometry, circles, solids, area & perimeter, volume and coordinate geometry. This course will go more in depth and have a greater emphasis on logic and formal proofs.
Course Standards: BE: 1A, 4A,B,C,D

Algebra II A – HS4301A
One Trimester/5 credit Grades 10-12
Prerequisite: Geometry A & B
In this course, students will study the following topics: real numbers, problem solving, equations, inequalities, graphs, systems of equations and inequalities, polynomial equation and functions, rational equations and expressions, factoring, complex numbers, quadratic functions and polynomial functions.
Course Standards: BE: 1A,B, 2A,B,C, 3C, 5A,C

Algebra II B – HS4301B
One Trimester/5 credit Grades 10-12
Prerequisite: Algebra II A
In this course, students will study the following topics: real numbers, problem solving, equations, inequalities, graphs, functions, (rational, radical, exponential, and logarithmic) sequences and series and probability.
Course Standards: BE: 1A, 2A,B,C, 3A

Honors Algebra II A –HS4302A Grades 10-12
-HS4103A Grade 9
One Trimester/5 credit
Prerequisite: Geometry A&B
In this course, students will study the same topics as in Algebra II with a greater emphasis on certain topics. These topics include: real numbers, problem solving, equations, inequalities, graphs, functions, systems of equations and inequalities, factoring, complex numbers, quadratic function and polynomial functions.
Course Standards: BE: 1A,B, 2A,B,C, 3C,5A,C

Honors Algebra II B –HS4302B Grades 10-12
-HS4103B Grade 9
One Trimester/5 credit
Prerequisite: Algebra II A
In this course, students will study the same topics as in Algebra II with a greater emphasis on certain topics. These topics include: real numbers, problem solving, equations, inequalities, graphs, functions, (rational, radical, exponential, and logarithmic) sequences and series and probability.
Course Standards: BE: 1A,B, 2A,B,C, 3A
Pre-Calculus – HS4500
One Trimester/.5 credit
Grades 10-12
Prerequisite: Algebra II A&B
This course 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.
Course Standards: BE: 1A, 2A,C, 3A,B,C, 5A

Trigonometry – HS4501
One Trimester/.5 credit
Grades 10-12
Prerequisite: Algebra II A&B
This course explores 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.
Course Standards: BE: 1A, 2A,B,C, 3A,C, 4A,C

Honors Pre-Calculus – HS4502
One Trimester/.5 credit
Grades 10-12
Prerequisite: Algebra II A&B
This course 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.
Course Standards: BE: 1A, 2A,C, 3A,B,C, 5A

Honors Trigonometry B – HS4503
One Trimester/.5 credit
Grades 10-12
Prerequisite: Algebra II A&B
This course will 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.
Course Standards: BE: 1A,B, 2A,B,C, 3A,C, 4A,C

Probability & Statistics A – HS4506A
One Trimester/.5 credit
Grades 10-12
Prerequisite: Algebra II A&B
This course follows Probability and Stats A. With the completion of both courses students will be able to receive credit from USM for a fee. This course continues with probability, distributions, estimation, and hypothesis testing.
Course Standards: BE: 1A, 5A,B,C,0

Probability & Statistics B – HS4506B
Trimester/.5 credit
Grades 10-12
Prerequisite: Prob & Stats A
This course covers 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

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 Topics A – HS4509A
One Trimester/.5 credit
Grades 10-12
Prerequisite: Algebra II A&B
Are you looking for something a little different? Do you have an interest in computers, logic, or problem solving? Then this course is for you! Discrete Math contains mathematical topics not usually covered in typical high school courses, which focus on real-life applications. Some of the topics that will be explored are mathematical logic and reasoning (where you meet up with Lewis Carroll), computer logic networks, combinatorics and probability, and graph theory (moving things from one point to another, handshaking and even predicting the weather). Technology is used throughout the course. This course provides a good foundation for higher level mathematics.
Course Standards: BE: 1A, 2A, 3A,4D, 5C

Discrete Math Topics B – HS4509B
One Trimester/.5 credit
Grades 10-12
Prerequisite: Algebra II A&B
Do you have an interest in cryptography or computers? Then this course is for you! Some of the topics that will be explored in this course are: mathematical induction, recursion, modular arithmetic, cryptography, sorting algorithms, and number systems. Technology is used throughout the course. This course provides a good foundation for higher level mathematics. Discrete A not required prior.
Course Standards: BE: 1A, 2B, 3A, 4A,J
Honors Discrete Math Topics A – HS4510A
One Trimester/5 credit
Grades 10-12
Prerequisite: Algebra II A&B
In this course, students study the same topics as Discrete Math Topics I as well as explore additional topics in the field of Discrete Mathematics and Linear Algebra. This course provides a good foundation for higher level mathematics.

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

Honors Discrete Math Topics B – HS4510B
One Trimester/5 credit
Grades 10-12
Prerequisite: Algebra II A&B
In this course, students study the same topics as Discrete Math Topics II as well as explore additional topics in the field of Discrete Mathematics and Linear Algebra. This course provides a good foundation for higher level mathematics. Honors Discrete A not required prior.

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

Course Descriptions

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,E, 5A,B

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 Trimesters /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.

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.

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

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.
Course Descriptions

Modern & Classical Language Courses

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: W2A,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: W2A,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: W2A,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.
Course Standards: W2A,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: W2A,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: W2A,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 tests 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: W2A,B,C, 3D, 4A,B,C,D,E, 5A,B

Spanish IV A & B – HS5205A, HS5205B
Two Trimesters/1 credit
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.
Course Standards: W2A,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.
Course Standards: W2A,B,C, 3D, 4A,B,C,D,E, 5A,B

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lab Earth Science A &amp; B</td>
<td>3 credits</td>
</tr>
<tr>
<td>Honors Lab Earth Science A &amp; B</td>
<td>3 credits</td>
</tr>
<tr>
<td>Lab Biology A &amp; B</td>
<td>3 credits</td>
</tr>
<tr>
<td>Honors Lab Biology A &amp; B</td>
<td>3 credits</td>
</tr>
<tr>
<td>AP Biology A, B &amp; C</td>
<td>3 credits</td>
</tr>
<tr>
<td>Lab Chemistry A &amp; B</td>
<td>3 credits</td>
</tr>
</tbody>
</table>

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.

AP Biology A, B & C – HS6500A, HS6500B, HS6500C
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 include topics including bonding and atomic theory, stoichiometry, chemical kinetics and equilibriu, 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.

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 equilibriu, 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.

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.

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.

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)
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 continue 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.

Environmental Science -HS6510
Trimester/5 credit
Prerequisites: Successful completion of Earth Science A&B and Biology A&B.
This course will provide students with the scientific principles and concepts required to understand how we are connected to the natural world. Students will get the opportunity to identify and analyze environmental issues that impact us locally and globally, and research ways to resolve or prevent these issues in the future. Students will need to be ready to take on a variety of field-based activities that occur within the forest behind the school and other short field trip expeditions to nearby natural areas. Unit will include: Global population, Pollution, Climate Change, Waste Management, Species adaptation and extinctions, Power Choices (solar, wind, coal, etc.), Tradeoffs: Paper or plastic, solar or wind, etc

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 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 ad 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.

Page 30
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.

The Journey Home – HS6508
One Trimester/5 credit
Grades 11-12
Prerequisite: Science Island, Lab Physics A&B or concurrent
This course continues the quest home. Students have made it off the island and are now faced with new challenges in navigation, communication, radio, light, propulsion, and GPS. Using physics principles and electronics, students build hands-on projects to return a ship home.

Science Island – HS6507
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.
### Course Descriptions

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
    - 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)

- **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 ears, 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 choose 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

  - 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

SOCIAL STUDIES ELECTIVES

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 20th 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 – HS8215
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

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
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. 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 in equality. The class will be taught in a college-like format with lectures and activities. Students are expected to write papers and complete projects related to the material taught.

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

Financial Awareness – HS0200
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 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: Money Management, Borrowing, Earning, Power, Financial Services and Insurance.

Course Standards: CED 4, Social Studies 4

Advanced Financial Awareness – HS7510
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
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 explores the intricacies of diagnosing and repairing complex modern automobiles. Our program is certified by the National Automotive Technical Educational Foundation (NATEF) and Automotive Youth Education Systems (AYES). We are a two-instructor shop. In the first year, students will spend one day on classroom theory and the next day with shop-based skills. Students will need to keep a notebook for each quarter and write a work order for each shop day. The first quarter is focused on safety and how to operate shop equipment. The second and third quarters cover brake systems and steering and suspension systems. The last quarter covers engine performance, which includes ignition, fuel and emission systems.

**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 receive training in the skills, knowledge and attitudes necessary to gain employment as an entry-level carpenter. Skills students will acquire: 1) General safety procedures in the use and care of hand tools, portable power tools, stationary woodworking equipment, ladders and scaffolding to acceptable industry standards. 2) Proficiency in handling, identifying, selecting, measuring, marking and cutting of common building lumber and materials in accordance with current industry tolerances. 3) Ability to assemble, apply or install common building materials on a construction site in compliance with applicable building codes, manufacturers’ specifications and standard trade practices. 4) Exhibit the attitudes and personal characteristics that are compatible with employment in the construction industry; these include honesty, dependability, and mature behavior that shows care and respect for the job, fellow workers, customers and employers.

**Business – HS8102; HS8202**

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

The Business program is designed to provide students with the fundamental business, communication, and technology skills valued in the workplace and in post-secondary education programs related to business—like Accounting, Business Management and Administration, Finance, and International Business. Students who successfully complete Accounting and Computer Applications here at WRVC can earn 6 college credits at no cost to them from Thomas College. Husson University will grant up to 12 college credits to students who successfully complete the Accounting, Business Management, Business Communications, and Computer Applications classes at WRVC and pass the proficiency exams provided by Husson.

**Commercial Driver’s License – HS8103; HS8203**

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

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

Students who complete this program in the first year will be eligible to earn a Class B driver’s endorsement on their license at the end of year one. A Class A driver’s license endorsement can be obtained at the end of second year upon successful completion of the curriculum and state Class A driver’s examination. This program will follow the state of Maine devised curriculum for Commercial Truck Driving examination completion. Additionally, the Commercial Driving program provides a connection between wanting to work as a Class A or Class B driver and actually having a driving job upon the end of the course. A number of local companies will take applications from CDL students at the beginning of the year. Eligible students can have a job as a professional driver waiting for them at the end of the school year.

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

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

This course offers motivated students the opportunity to develop skills in the challenging and rewarding field of information and computer technology. Upgrade and repair computers or create your own network in our Cisco certified Networking Academy lab. Tech 1 students will acquire How to install, build, upgrade and repair personal computers.

**Computer Science and Multimedia – HS8115; HS8215**

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

This course covers many of the creative areas of computer science, multimedia, and communications. Computer Science year-long classes cover areas from introduction classes with Computer Science Discoveries that covers fundamental problem solving, web design, data and society, animation and game design, design process, physical computing. Students enhance their computer science skills with AP Computer Science Principles and AP CSA (Java). These classes cover the internet, Digital Information, algorithms and programming, big data and privacy, building apps and data tools. The program also offers courses in Web Design, which links together areas of computer programming, graphic design, and social media. It is a fast growing and creative field. Classes in Multimedia include Video Editing, Photoshop, and 3D Modeling and Printing. Students will gain skills with professional software (Adobe Premiere and After Effects), working with professional images editors (Photoshop) and gain experience with 3D software to work with additive engineering, 3D printing, and working with 3D models and managing multiple 3D printers in a lab environment.

First-year students will take a combination of classes that cover computer science (Computer Science Discoveries, Web design, App inventor) and courses in digital media (Video Editing, 3D Modeling, and Photoshop).
Course Descriptions  Career & Technical Courses

The second-year students may take a combination of classes that cover advanced levels of computational thinking in AP Computer Science Principles and AP CSA (Java). To cover multimedia, a student may have an option to take CNMS-111 Intro to Digital Foundations as a full year class.

Dual enrollment college credits with Southern Maine Community College CNMS 111
– Digital Foundations (3 Credits) CNMS 120 Intro to Digital Imaging (3 Credits)

AP Offerings- AP Computer Principles, AP Computer Science A.

Culinary Arts – HS8105; HS8205
Grades 11-12 Two Year Sequence 3 credits/year
The program includes a number of diversified, flexible food modules: preparation, service and presentation of meals, quantity food production, bakeshop, table service, catering for community organizations, cake decoration and orientation to the foodservice industry. These modules are designed to meet student’s individual needs for skill development and preparation to enter the foodservice industry. Interest, natural ability and food skills are determining factors in the progress of the student. First year students spend their entire year in the classroom lab where they participate in a basic food training program. This teaches them skill development and organization and prepares them to assume various food related tasks. Basic knife skills, stock preparation, classical “Grande Sauces”, safety, sanitation, basic food preparation and presentation are stressed in conjunction with the American Culinary Federation proficiencies for secondary education.

Early Childhood Occupations – HS8106; HS8206
Grades 11-12 Two Year Sequence 3 credits/year
This program is designed for students preparing for careers involving children. Students should love children, have good communication skills, be responsible, dependable, work well independently and read to grade level. Tech I students will participate in nursery school on a rotating basis. While working in the nursery school, students will work within teams, planning and implementing activities according to a curriculum theme. Students who successfully complete Tech I will have completed half of the requirements for the Certified Early Childhood Associate (CECA) certificate. Certifications: Red Cross First Aid, Red Cross CPR

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. 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. Certifications: Graduates of the program receive credit for all 576 classroom hours required for their journeyman’s license.

Criminal Justice – HS8111
Grades 11-12 One Year 3 Credits
This exciting and fast paced year-long course, provides students a host of hands on and class-room experiences. The goal is to give the student a good foundation to begin a career in Law Enforcement. Students will study: The American Justice System, Forensics, Interview and Interrogation, Traffic Stops, Officer Safety, Methods of Restraint and Control and Tactics. Students will have the opportunity to become familiar with and fire police weaponry by spending a day at the end of school on a Police Pistol range. One to one instruction is given by State certified Police instructors.

Emergency Medical Technician (EMT) Basic– HS8112
Grades 11-12 One Year 3 Credits
This course is for juniors and seniors who want to serve their community in a fast growing medical field. Graduates of this course may become certified as a basic Emergency Medical Technicians (EMT-B). As an EMT trainee you’ll complete over 120 hours of classroom instruction and complete up to 30 hours of supervised clinical training. Successful graduates of this course who are 18 years old will qualify to take the State exam, those who pass the State’s written and practical will meet all licensing requirements to work as a certified EMT-B in the State of Maine.

Firefighting – HS8113
Grades 11-12 One Year 3 Credits
This program is designed for students upon successful completion of this curriculum you will qualify to test for and receive your nationally recognized Fire Fighter I & II certification. (Many Colleges that offer Fire Science award 6 college credit hours for this certification). Tech I students are also introduced to the philosophy of a para-military career choice and learn the importance of staying fit, both mentally and physically. Maturity and responsibility are two words that are heavily stressed in this program.
Certifications: National Pro Board Certification in Fire I and II, FEMA IC – 00100.b Intro to Incident Command System, FEMA IS – 00700.a NIMS; FEMA IS – 00100, LEb Intro to Incident Command System for Law Enforcement, FEMA AWR – 160 Terrorism Awareness for Emergency First Responders, PER-212 Operations Level Response to HazMat/WMD Incidents

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.
Heavy Equipment Construction Operation (HECO) will 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 be performed on excavation simulators. Additionally, students will learn basic skill steer, dozer, front-end loader and excavator operation and can obtain a certificate for the 10-hour OSHA safety certificate. The student text book 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
This program is that introduces students to the medical field. Students are able to investigate and learn about different professions within the health care system. Students spend a great deal of time learning medical terminology as well as anatomy and physiology of the human body and basic health care skills. Students in the first year program have the option to obtain their Personal Support Specialist Certificate (PSS) at the end of the program. This allows students to provide personal care to clients in assisted living and home settings. Students receive CPR and First Aid certification.
Course Descriptions

Social Service – HS8114
Grades 11-12 One Year Program 3 credits
This is a one-year program designed to provide students with the skills and experience necessary to obtain employment in the social services field. Using highly interactive curriculum, 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. Certifications: First Aid/CPR through the American Heart Association, the 35 hour Behavioral Health Professional (for work with children) and the 45-hour Direct Support Professional (for work with adults). Students will shadow direct-care professionals at Woodfords and will work with Woodfords Program Supervisors in the spring, to plan and host an activity night for both children and adult clients. Upon completion of this program, students will be granted a job interview with Woodfords Family Services.

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 stripping 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

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.

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 – HS8166
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 practical 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.

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 projects.

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

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

Athletic/Activities Director: Eric Curtis: ecurtis@bonnyeagle.org