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The Boardman High School course offerings are in compliance with the policy of non-discrimination in educational opportunities or activities for students. This policy, adopted by the Boardman Board of Education, is in compliance with Title IX of the Education Amendments of 1972.

THE CURRICULUM

The Boardman High School curriculum is designed to meet the needs of all students. Accordingly, the school offers, in addition to its regular program, a limited summer school program in English, social studies, math, health, physical education, and art.

REQUIREMENTS FOR A BOARDMAN HIGH SCHOOL DIPLOMA

The following credits are needed to meet state graduation requirements. A student must schedule at a minimum, the equivalent of five credits per semester. Fifth year students may schedule only those courses needed to meet graduation requirements. In addition to the credit requirement, each candidate for a diploma must pass all required proficiency tests.

SPECIFIC CREDIT REQUIREMENTS FOR THE CLASS OF 2015

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4</td>
</tr>
<tr>
<td>Mathematics</td>
<td>4</td>
</tr>
<tr>
<td>Social Studies</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>World History: 1 credit</td>
</tr>
<tr>
<td></td>
<td>U. S. History: 1 credit</td>
</tr>
<tr>
<td></td>
<td>American Government: 1 credit</td>
</tr>
<tr>
<td>Science</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Physical Science: 1 credit</td>
</tr>
<tr>
<td></td>
<td>Biological Science: 1 credit</td>
</tr>
<tr>
<td>Health</td>
<td>½</td>
</tr>
<tr>
<td>Physical Education</td>
<td>½</td>
</tr>
<tr>
<td>Fine Arts</td>
<td>1</td>
</tr>
<tr>
<td>Electives</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>1 credit or 2 half-credits of business, technology, or foreign language</td>
</tr>
</tbody>
</table>

Students following a career-technical pathway are exempted from the fine arts requirement.
PREPARING FOR COLLEGE

Colleges vary considerably in their admission requirements, making it difficult to list minimum high school course prerequisites. Nevertheless, it is safe to assume that all colleges expect their applicants to be well-prepared in the core academic subjects. With that in mind, Boardman students are encouraged to pursue the following minimum curriculum to prepare for college:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4 credits</td>
</tr>
<tr>
<td>Math</td>
<td>4 credits</td>
</tr>
<tr>
<td>Science</td>
<td>3 credits</td>
</tr>
<tr>
<td>Social Studies</td>
<td>3 credits</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>2 credits, same language</td>
</tr>
<tr>
<td>Fine or Performing Arts</td>
<td>1 credit</td>
</tr>
<tr>
<td>Other</td>
<td>1 elective academic credit</td>
</tr>
</tbody>
</table>

STUDENT SCHEDULING

The student scheduling process begins in February with group guidance sessions. These sessions acquaint students with the course offerings for the following school year. Between February and mid-April, students meet individually with their counselors to finalize course selections.

EARLY DISMISSAL GUIDELINES

1. Reserved for juniors and seniors only
2. Must either have completed the physical education requirement or be enrolled in physical education during the same semester as Early Dismissal
3. Must be approved by parent with a signed form returned to counselor
4. Must leave the building immediately at the conclusion of 6th period

Students who choose Early Dismissal must provide their own transportation and will not be transported on the afternoon school bus.

Violation of any of these rules will cause the student to lose this privilege and be required to stay at school in study hall seventh period.
CLASS DROP POLICY

STUDENTS ENROLLED IN 5 CLASSES

Any student enrolled in five classes who drops or is removed from a semester class will receive an F for the class. This grade will be calculated into GPA.

Any student enrolled in five classes who drops or is removed from a full year class will receive an F for the class. This grade will be calculated into GPA.

STUDENTS ENROLLED IN MORE THAN 5 CLASSES

Any student enrolled in more than five classes may drop a class without penalty until 2 weeks after the end of the first grading period of the class. After this date, any student who drops or is removed from a class will receive an F for the class, whether it is a semester course or a full year course. This grade will be calculated into GPA.

ELIGIBILITY RULES FOR ACADEMICS

In order to participate in any interscholastic event, students must meet the eligibility requirements formulated by the Ohio High School Athletic Association and Boardman High School. At present these are:

1. Passed subjects the immediately preceding grade period that were equal to five credits per year.
2. Passing in subjects that are equal to five credits per year and meet the weekly eligibility requirements during the season and the post season.
NCAA REQUIREMENTS

Student athletes expecting to participate in athletics in a Division I or Division II college in their freshman year must meet specific NCAA course requirements while in high school. Students and their parents should consult with the school counselors when selecting high school courses to ensure they are meeting NCAA course requirements.

EDUCATIONAL OPTIONS

Students may request approval for credit earned by completing coursework, testing out or showing mastery of course content, by pursuing an educational option such as summer school, night school, or college credit, or by any combination of these on the condition that prior approval by the principal has been granted. Correspondence credit may be used to meet graduation requirements only when prior approval has been granted and the student’s class has graduated. This applies to students attending Boardman High School and Technical Center. (See Board Policy IGBM regarding Educational Options).

NATIONAL HONOR SOCIETY

To be considered for National Honor Society at Boardman High School, a student must meet all eligibility requirements, which include the following: is currently a junior or senior; has attended Boardman High School for at least one semester; has a 3.2 GPA after five semesters (mid-way through the junior year) or seven semesters (mid-way through the senior year); and submits an Activity Information Form which gives evidence of the four qualities specifically cited for membership in the society - character, service, leadership, and scholarship. All members of the high school faculty have nominating privileges. The Faculty Council, with the assistance of the Faculty Advisory Committee, selects the members.

STUDENT FOLDER AND INFORMATION SUPPLEMENT

Boardman High School's Guidance Department provides each student with a folder containing the Student Information Supplement. These two documents include all rules and regulations concerning student conduct and attendance, as well as all pertinent information concerning activities
and the everyday needs of students. General information valuable to parents and students is also included.

PROMOTION CRITERIA FOR STUDENTS 9 THRU 12

1. A first year student in high school is considered a member of the freshman class.
2. A second year student in high school shall be considered a member of the sophomore class contingent on the accumulation of 4.25 credits, 1 of which must be an English credit required for graduation, prior to the first day of classes. Failure to reach 4.25 credits will result in the student remaining a member of the freshman class for the school year.
3. A third year student in high school will be considered a member of the junior class contingent on the accumulation of 9 credits, 2 of which must be English credits required for graduation, prior to the first day of classes. Failure to reach 9 credits will result in the student remaining a member of the sophomore class for the school year.
4. A fourth year student will be considered a senior if all graduation requirements can be met before the first day of classes of the following school year. Students with fewer than 13 credits must have a graduation plan on file with their counselor prior to the first day of school.

SENIOR HONORS ASSEMBLY

As a recognition of excellence in scholarship, the school presents awards to the seniors who have made the best records in each department. Special awards are given to students for outstanding scholastic achievement and for outstanding service. Scholarship recipients are honored. Students are also recognized for outstanding performance on national testing programs.

HONOR GRADUATES

Senior scholars who meet all eligibility requirements, which include having an accumulative grade point average of 3.5 or better at the end of the seventh semester, will be recognized during the Senior Honors Assembly and during Commencement. Honor graduates will wear a gold stole at commencement and receive an honors certificate signifying superior academic achievement.
# High School Academic Diploma with Honors for Graduating Classes of 2012 and Beyond

Students need to fulfill only 7 of the following 8 criteria

<table>
<thead>
<tr>
<th>Subject</th>
<th>Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4 units</td>
</tr>
<tr>
<td>Mathematics</td>
<td>4 units, including Algebra I, Geometry, Algebra II or equivalent and another higher level course or a four-year sequence of courses that contain equivalent content</td>
</tr>
<tr>
<td>Science</td>
<td>4 units, including physics and chemistry</td>
</tr>
<tr>
<td>Social Studies</td>
<td>4 units</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>3 units (must include no less than 2 units for which credit is sought) i.e., 3 units of one language or 2 units each of two languages</td>
</tr>
<tr>
<td>Fine Arts</td>
<td>1 unit</td>
</tr>
<tr>
<td>Career-Technical</td>
<td>Not counted toward requirements and may not be used to meet requirements</td>
</tr>
<tr>
<td>Electives</td>
<td>Not counted toward requirements</td>
</tr>
<tr>
<td>Grade Point Average</td>
<td>3.5 on a 4.0 scale</td>
</tr>
<tr>
<td>ACT/SAT Score</td>
<td>27 ACT / 1210 SAT</td>
</tr>
</tbody>
</table>

[excluding scores from the writing sections]
## FRESHMEN COURSE OFFERINGS

### REQUIRED COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Green &amp; Gold</td>
<td>1.0</td>
</tr>
<tr>
<td>English 1 Honors*</td>
<td>1.0</td>
</tr>
<tr>
<td>English 1 / R180 *</td>
<td>2.0</td>
</tr>
<tr>
<td>Integrated Math 1</td>
<td>1.0</td>
</tr>
<tr>
<td>Integrated Math 2*</td>
<td>1.0</td>
</tr>
<tr>
<td>Physical Science</td>
<td>1.0</td>
</tr>
<tr>
<td>Advanced Biology 1*</td>
<td>1.0</td>
</tr>
<tr>
<td>World History</td>
<td>1.0</td>
</tr>
<tr>
<td>World History Honors*</td>
<td>1.0</td>
</tr>
<tr>
<td>Physical Education</td>
<td>.25</td>
</tr>
<tr>
<td>Health</td>
<td>.5</td>
</tr>
</tbody>
</table>

*Teacher recommendation required

- Please note: Student must audition for all Orchestras.

### ELECTIVE COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art 1</td>
<td>.5</td>
</tr>
<tr>
<td>Art 2</td>
<td>.5</td>
</tr>
<tr>
<td>Architectural Drawing 1</td>
<td>.5</td>
</tr>
<tr>
<td>French 1*</td>
<td>1.0</td>
</tr>
<tr>
<td>Italian 1*</td>
<td>1.0</td>
</tr>
<tr>
<td>Latin 1*</td>
<td>1.0</td>
</tr>
<tr>
<td>Spanish 1*</td>
<td>1.0</td>
</tr>
<tr>
<td>Journalism 1*</td>
<td>1.0</td>
</tr>
<tr>
<td>Read 180*</td>
<td>1.0</td>
</tr>
<tr>
<td>Technology in the Real World</td>
<td>.5</td>
</tr>
<tr>
<td>Broadcast Journalism</td>
<td>1.0</td>
</tr>
<tr>
<td>Digital Video Productions</td>
<td>1.0</td>
</tr>
<tr>
<td>Metals/Machine Tech</td>
<td>.5</td>
</tr>
<tr>
<td>Welding Technology 1</td>
<td>.5</td>
</tr>
<tr>
<td>Mechanical Drawing</td>
<td>.5</td>
</tr>
<tr>
<td>Wood Technology 1</td>
<td>1.0</td>
</tr>
<tr>
<td>Mixed Chorus</td>
<td>1.0</td>
</tr>
<tr>
<td>Classical Orchestra*</td>
<td>1.0</td>
</tr>
<tr>
<td>Symphony Orchestra*</td>
<td>1.0</td>
</tr>
<tr>
<td>Chamber Orchestra*</td>
<td>1.0</td>
</tr>
<tr>
<td>Band</td>
<td>1.0</td>
</tr>
<tr>
<td>Jazz Ensemble 1*</td>
<td>1.0</td>
</tr>
<tr>
<td>Jazz Ensemble 2*</td>
<td>1.0</td>
</tr>
</tbody>
</table>
## COURSES OFFERED AT BOARDMAN HIGH SCHOOL

### ART

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art 1 &amp; 2</td>
<td>.5 each</td>
</tr>
<tr>
<td>Art 3, 4, 5</td>
<td>1.0 each</td>
</tr>
<tr>
<td>AP Studio Art</td>
<td>1.0</td>
</tr>
<tr>
<td>Digital Photography 1, 2, 3</td>
<td>.5 each</td>
</tr>
<tr>
<td>Black &amp; White Photography</td>
<td>.5</td>
</tr>
<tr>
<td>Computer Graphics 1, 2, 3</td>
<td>.5 each</td>
</tr>
<tr>
<td>Architectural Drawing</td>
<td>.5 each</td>
</tr>
<tr>
<td>1, 2, 3, 4</td>
<td></td>
</tr>
<tr>
<td>Art Appreciation</td>
<td>.5</td>
</tr>
</tbody>
</table>

### BUSINESS AND TECHNOLOGY

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personal Finance</td>
<td>.5</td>
</tr>
<tr>
<td>Introduction to Business</td>
<td>.5</td>
</tr>
<tr>
<td>Accounting 1 &amp; 2</td>
<td>.5 each</td>
</tr>
<tr>
<td>Entrepreneurship</td>
<td>.5</td>
</tr>
<tr>
<td>Technology in the Real World</td>
<td>.5</td>
</tr>
<tr>
<td>Web Page Design</td>
<td>.5</td>
</tr>
<tr>
<td>Creating Mobile Apps</td>
<td>.5</td>
</tr>
<tr>
<td>3D Printing and Virtual Reality Programming</td>
<td>.5</td>
</tr>
<tr>
<td>Video Game &amp; Computer Programming</td>
<td>.5</td>
</tr>
<tr>
<td>Advanced Technology Concepts</td>
<td>1.0</td>
</tr>
<tr>
<td>AP Computer Science</td>
<td>1.0</td>
</tr>
</tbody>
</table>

### ENGLISH

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 1 Green &amp; Gold</td>
<td>1.0</td>
</tr>
<tr>
<td>English 1 Honors</td>
<td>1.0</td>
</tr>
<tr>
<td>English 1/R180</td>
<td>2.0</td>
</tr>
<tr>
<td>English 2 Blue &amp; Gray</td>
<td>1.0</td>
</tr>
<tr>
<td>English 2 Honors</td>
<td>1.0</td>
</tr>
<tr>
<td>English 2/R180</td>
<td>2.0</td>
</tr>
<tr>
<td>English 3 Orange &amp; Black</td>
<td>1.0</td>
</tr>
<tr>
<td>English 3R</td>
<td>1.0</td>
</tr>
<tr>
<td>English 3 AP</td>
<td>1.0</td>
</tr>
<tr>
<td>English 4 Maroon &amp; White</td>
<td>1.0</td>
</tr>
<tr>
<td>English 4R</td>
<td>1.0</td>
</tr>
<tr>
<td>English 4 AP</td>
<td>1.0</td>
</tr>
<tr>
<td>Journalism 1, 2, 3</td>
<td>1.0 each</td>
</tr>
<tr>
<td>Read 180</td>
<td>1.0</td>
</tr>
<tr>
<td>Publications</td>
<td>1.0</td>
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</tbody>
</table>

### ENGLISH CONTINUED

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Digital Video Productions</td>
<td>1.0</td>
</tr>
<tr>
<td>Broadcast Journalism</td>
<td>1.0</td>
</tr>
</tbody>
</table>

### FAMILY AND CONSUMER SCIENCES

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Food Science</td>
<td>.5</td>
</tr>
<tr>
<td>Global Foods</td>
<td>.5</td>
</tr>
<tr>
<td>Child Development</td>
<td>.5</td>
</tr>
<tr>
<td>Human Growth &amp; Development</td>
<td>.5</td>
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</tbody>
</table>

### FOREIGN LANGUAGE

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>French 1, 2, 3, 4</td>
<td>1.0 each</td>
</tr>
<tr>
<td>Spanish 1, 2, 3, 4</td>
<td>1.0 each</td>
</tr>
<tr>
<td>Italian 1, 2, 3, 4</td>
<td>1.0 each</td>
</tr>
<tr>
<td>Latin 1, 2, 3, 4</td>
<td>1.0 each</td>
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</table>

### INDUSTRIAL TECHNOLOGY

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>Mechanical Drawing</td>
<td>.5</td>
</tr>
<tr>
<td>Wood Technology 1</td>
<td>.5</td>
</tr>
<tr>
<td>Wood Technology 2</td>
<td>.5</td>
</tr>
<tr>
<td>Wood Technology 3</td>
<td>1.0</td>
</tr>
<tr>
<td>Wood Technology 4</td>
<td>1.0</td>
</tr>
<tr>
<td>Metals/Machine Technology</td>
<td>.5</td>
</tr>
<tr>
<td>Welding Technology 1</td>
<td>.5</td>
</tr>
<tr>
<td>Welding Technology 2</td>
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</tbody>
</table>

### MATHEMATICS

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Integrated Math 1 1 &amp; 2</td>
<td>1.0</td>
</tr>
<tr>
<td>Integrated Math 2 1 &amp; 2</td>
<td>1.0</td>
</tr>
<tr>
<td>Integrated Math 3 1 &amp; 2</td>
<td>1.0</td>
</tr>
<tr>
<td>Integrated Math 4 1 &amp; 2</td>
<td>1.0</td>
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<tr>
<td>Basic Calculus 1 &amp; 2</td>
<td>1.0</td>
</tr>
<tr>
<td>AP Calculus 1 &amp; 2</td>
<td>1.0</td>
</tr>
<tr>
<td>MUSIC</td>
<td>CREDIT</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>Band</td>
<td>1.0</td>
</tr>
<tr>
<td>Jazz Ensemble 1</td>
<td>1.0</td>
</tr>
<tr>
<td>Jazz Ensemble 2</td>
<td>1.0</td>
</tr>
<tr>
<td>Classical Orchestra</td>
<td>1.0</td>
</tr>
<tr>
<td>Symphony Orchestra</td>
<td>1.0</td>
</tr>
<tr>
<td>Chamber Orchestra</td>
<td>1.0</td>
</tr>
<tr>
<td>Mixed Chorus</td>
<td>1.0</td>
</tr>
<tr>
<td>Choir</td>
<td>1.0</td>
</tr>
<tr>
<td>Chorale</td>
<td>1.0</td>
</tr>
<tr>
<td>Boardman Singers</td>
<td>1.0</td>
</tr>
<tr>
<td>Music Appreciation</td>
<td>.5</td>
</tr>
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<table>
<thead>
<tr>
<th>PHYSICAL EDUCATION AND HEALTH</th>
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<tbody>
<tr>
<td>Physical Education</td>
<td>.25</td>
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<td></td>
</tr>
<tr>
<td>Health</td>
<td>.5</td>
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<table>
<thead>
<tr>
<th>SCIENCE</th>
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<tbody>
<tr>
<td>Physical Science</td>
<td>1.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biology 1</td>
<td>1.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advanced Biology 1</td>
<td>1.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anatomy &amp; Physiology</td>
<td>1.0</td>
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<td></td>
</tr>
<tr>
<td>AP Biology</td>
<td>1.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Astronomy</td>
<td>.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmental Science</td>
<td>.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oceanography</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
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</tr>
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<td>Chemistry Honors</td>
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<td></td>
</tr>
<tr>
<td>Chemistry 2</td>
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<td></td>
</tr>
<tr>
<td>Physics</td>
<td>1.0</td>
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<table>
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<tr>
<th>SOCIAL STUDIES</th>
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</thead>
<tbody>
<tr>
<td>World History 1 &amp; 2 Honors</td>
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<td>AP Psychology</td>
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<td>Employability Skills</td>
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ART DEPARTMENT

The art program offers many options for students who are interested in developing their abilities to create art, such as studio art, computer graphics, and photography. Students who are more interested in learning about art may sign up for Art Appreciation.

Art Appreciation  Grades 11, 12; one semester, .5 credit, prerequisite: none

Art Appreciation is offered in an on-line format for students who opt for a self-paced, software-based course in an alternative setting. Students view lessons, submit assignments and communicate on-line with their instructor.

Through this course, the student will develop their ability to perceive, produce and respond to works of art. Expressing personally relevant ideas through visual art will be encouraged. Art vocabulary and knowledge of the elements and principles of design will be expanded. Students will experience how society and culture influence the way we view art. Opportunities for careers in the arts will be introduced. Lifelong involvement and advocacy in the arts will be explored.

Art 1  Grades 9, 10; one semester, .5 credit, prerequisite: none

In this course, students develop their skills in perceptual drawing and learn about the elements and principles of design. Students will also expand their knowledge of art criticism. A variety of subjects and media are explored.

Art 2  Grades 9, 10, 11, 12; one semester, .5 credit, prerequisite: Art 1 with a grade of C or better or teacher approval

Art 2 students continue to build skills and understanding in perceptual drawing and the elements and principles of design. Students explore a variety of styles, media and subjects.
Art 3  
Grades 10, 11, 12; both semesters, 1 credit, prerequisite: Art 2 with a grade of A or B and/or teacher approval

Art 3 combines skill development in drawing, painting, color theory, art criticism, and sculpture as students develop the ability to express their ideas visually. Students spend a longer period of time working on each project to deepen their understanding of the media and skill.

Art 4  
Grades 11, 12; both semesters, 1 credit, prerequisite: Art 3 with a grade of A or B and/or teacher approval

Art 4 students will continue to advance in drawing skills, design knowledge and techniques with an emphasis on individual concept development. A variety of choices will be offered in media and subject matter. Art 4 students are expected to maintain a portfolio. Art 4 students will have the option to prepare a portfolio for AP consideration.

Art 5  
Grade 12; both semesters, 1 credit, prerequisite: Art 4 with a grade of A or B and/or teacher approval

Art 5 students will monitor all project assignments in the Art 4 class. They will develop an area of concentration and pursue their work as an independent study in their choice of media. Art 5 students will have the option to prepare a portfolio for AP consideration.

AP Studio Art  
Grades 11, 12; both semesters, 1 credit, prerequisite: Art 3 with a grade of A or B and teacher recommendation

This course is designed to provide students with a learning experience equivalent to that of a college course in Drawing or 2-D design. Students are required to develop and submit an Advanced Placement Portfolio in order to receive credit for the course.
AP Photography/2D Design  Grades 11, 12; both semesters, 1 credit
prerequisite: Combination of 2 full art
credits with an average grade of A or B
and teacher recommendation

AP Photography/2D Design is a course for students interested in a
learning experience equivalent to that of a college course in Photography
or 2D Design. Students are required to develop and submit an Advanced
Placement Portfolio in order to receive credit for the course.

Digital Photography 1  Grades 10, 11, 12; one semester, .5 credit,
prerequisite: none

Digital Photography 1 is a basic introduction to photography. Students
will learn technical aspects of photography. The main focus of the
course will stress the creative art of photographic seeing with
concentration on the Principles of Design, Elements of Art and
Photographic Composition. Each student is required to furnish a
35mm SLR digital camera with a minimum of 5-6 megapixel
resolution and manual settings, shutter speed, aperture and focus
(no cell phone cameras).

Digital Photography 2  Grades 10, 11, 12; one semester, .5 credit,
prerequisite: Digital Photography 1 or
Photography 1 with a grade of C or better
or teacher approval

Digital Photography 2 is an in-depth study of creative photography.
Students will primarily focus on advanced Photoshop techniques and
camera usage.

Digital Photography 3  Grades 11, 12; one semester, .5 credit,
prerequisite: Digital Photography 2 or
Photography 2 with a grade of C or better
or teacher approval

Digital Photography 3 is the most technically and creatively challenging
course in fine art photography. Digital imaging and advanced
photographic techniques are a regular requirement from each student.
Each student is required to furnish a 35mm SLR digital camera with
a minimum 5-6 megapixel resolution and manual settings, shutter
speed, aperture and focus (no cell phone cameras).
Black & White Photography  Grades 10, 11, 12; one semester, .5 credit, prerequisite: Digital Photography 1

Black and white photography is a basic introduction to learning the technical aspects of photography and experience the traditional darkroom processes. Each student is required to furnish a 35mm SLR (film) camera with manual settings for shutter speed, aperture and focus.

Architectural Drawing 1  Grades 9, 10, 11, 12; one semester, .5 credit, prerequisite: none

Architectural Drawing 1 introduces the student to the fundamentals of residential architectural drawing. Basic computer applications are introduced.

Architectural Drawing 2  Grades 10, 11, 12; one semester, .5 credit, prerequisite: Architectural Drawing 1 with a grade of C or better

The student will further develop understanding and skills in basic architectural drawing. Homes up to 2,000 square feet will be studied.

Architectural Drawing 3  Grades 10, 11, 12; one semester, .5 credit, prerequisite: Architectural Drawing 2 with a grade of C or better

The student will further develop an understanding and skills in basic architectural drawing and design. Homes up to 3,000 square feet will be studied.

Architectural Drawing 4  Grades 11, 12; one semester, .5 credit, prerequisite: Architectural Drawing 3 with a grade of C or better

The course introduces commercial building designs. Plans of a small business structure are required. Students will make working drawings and presentations for the project.
<table>
<thead>
<tr>
<th>Course</th>
<th>Grades</th>
<th>Semester</th>
<th>Credit</th>
<th>Prerequisite</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Computer Graphics 1</td>
<td>11, 12</td>
<td>1</td>
<td>.5</td>
<td>either Art 1, Digital Photography 1 or Photography 1 with a grade of C or better or teacher approval</td>
<td>The course is an introduction to computer programs such as Adobe Illustrator and Photoshop. Exercises in design are introduced that will teach the student both the technical skills that are involved in the graphic design industry, as well as the creative skills that are necessary to speak the visual language.</td>
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<tr>
<td>Computer Graphics 2</td>
<td>11, 12</td>
<td>1</td>
<td>.5</td>
<td>Computer Graphics 1 with a grade of C or better or teacher approval</td>
<td>This course builds upon the computer skills developed in Computer Graphics 1 and introduces programs such as Adobe InDesign. Students will apply advanced design strategies in both two-dimensional and three dimensional space.</td>
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<tr>
<td>Computer Graphics 3</td>
<td>11, 12</td>
<td>1</td>
<td>.5</td>
<td>Computer Graphics 2 with a grade of C or teacher approval</td>
<td>Students will produce a group of digital works using new technologies. Emphasis will be placed upon developing creative projects and personal concentrations. This course is for students who are interested in developing a design portfolio.</td>
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BUSINESS AND TECHNOLOGY/STEM EDUCATION DEPARTMENT

The Business & Technology Education Department offers a variety of courses designed to enrich the students’ knowledge of the skills needed for the 21st Century world of business and technology. The Business and Technology courses offered include Personal Finance, Introduction to Business, Accounting, Entrepreneurship, Technology in the Real World, Creating Mobile Apps, Web Page Design, 3D Printing and Virtual Reality Programming, Video Game and Computer Programming, Advanced Technology Concepts and AP Computer Science. All of these courses provide the student with valuable 21st Century life skills for their futures in college and the work world.

**Personal Finance**  
Grade 10, 11, 12; one semester, .5 credit, prerequisite: none

Everyone likes money right? Will you know how to manage your money once you start earning it? Understanding and managing personal finances are key to your future financial success. This personal finance course gives students the essential knowledge and skills to make informed decisions about real financial issues. Students will learn to apply decision making skills to set personal goals and to evaluate career choices, calculating paychecks and taxes, debt and credit management, as well as utilizing investment tools and risk management. Students will complete a checking account simulation as well as participate in a real world stock market investment game.

**Introduction to Business**  
Grades 10, 11, 12; one semester, .5 credit, prerequisite: none

Business makes the world go ‘round! Whether you’re interested in how our economy works, how corporations come up with the cool marketing campaigns to advertise their new products and services, or what it takes to own your own business…this class is for you! We will explore the different routes you can take on the business path that could lead you to a college major and career! This course covers the legal and social environment of business. We will also cover advertising and marketing, business etiquette, international business, entrepreneurship and e-commerce.
Accounting 1  Grades 10, 11, 12; one semester, .5 credit, prerequisite: none

Did you know that Accounting is one of the most demanded careers and is expected to continue to grow, according to the Bureau of Labor Statistics? We look at the various opportunities available such as criminal investigation, entertainment and sports accounting, as well as the endless jobs that are available for Certified Public Accountants. You will learn the “language of business” and the foundation you need to go on to major or minor in Accounting, and eventually land your dream job working for one of the prestigious Big 4 accounting firms or any industry of your choice. Every company needs skilled accountants to manage their millions! This introductory course combines manual and computerized accounting methods and concepts used in small businesses across the nation. It is equivalent to an elementary college accounting course. Students will learn how to set up and maintain financial records for a proprietorship using the complete accounting cycle.

Accounting 2  Grades 10, 11, 12; one semester, .5 credit, prerequisite: Accounting 1 with a grade of C or better

This course is a continuation of accounting principles with an emphasis on partnerships and corporations, computerized accounting, payroll, and income taxes. Students with a business career objective are encouraged to take this course.

Video Game & Computer Programming

Grades 10, 11, 12; one semester, .5 credit, prerequisite: completed Integrated Math 2

Do you love video games? Ever wonder how they work? Then this is the class for you. The purpose of this course is to provide the student with developing additional problem solving skills and an understanding of different computer programming concepts and languages. This course will give the student the foundation needed for programming languages such as Visual Basic, Video Game Programming using Gamemaker and other computer programming languages used to develop customized programs, software and video games. Students will study various current technology topics including emerging technologies and possible career option in the technology area.
Entrepreneurship  Grades 10, 11, 12; one semester, .5 credit, prerequisite: none

Have you ever thought about starting your own business? In this course, students will be able to discuss the advantages and disadvantages of going into business on their own, where to obtain various sources of capital needed to fund their enterprise and the need to maintain financial statements of their business activity. This course is particularly designed for those students who want to discover the world of entrepreneurship, examine entrepreneurship as a career, and use their creativity to write a business plan. They will also analyze various markets and their competitors, plan how to market their products or service, how to sell their product or service and keeping records. This class will participate in starting and operating their own company during the course of the semester with students elected as President, V.P. of Finance, V.P. of Production, and V.P. of Marketing.

Technology in the Real World

Grades 9, 10, 11, 12; one semester, 5 credit, prerequisite: none

Want to dazzle the business world when you graduate? Get a step up in that college class by creating a powerful presentation? Use advanced features of Google docs. Then this is the class for you. This course is designed to help students become competent in a variety of application software, including word processing, presentation, spreadsheets, databases, movie-making, sound-mixing, and beginning web page development needed to compete in college or the work place. In addition, students will learn to identify and correctly utilize computer components, file management, storage handling and computer technology. Students will explore the history of computers and the Internet, copyright laws, the world of cybercrimes and digital citizenship.
Creating Mobile Apps  Grades 11, 12; one semester, .5 credit, prerequisite: completed Integrated Math 2

Have you ever wanted to create an app for your phone or tablet? Do you want to create technology instead of just using it then this is the class to take. Explore the world of mobile device application development through hands-on work creating applications. In this class students will learn how to design and build mobile apps for their smart phones and tablets. The students will learn the fundamentals of computer programming and will also explore the world of computers, new technology, and programming.

Web Page Design  Grades 10, 11, 12; one semester, .5 credit, prerequisite: completed Integrated Math 2

Have you ever wanted to create your own web page? This course covers the basics of web page development, Hypertext Markup Language (HTML), web site management, and CSS. Students will produce web pages from scratch as they work toward development of a major project. Related coverage of digital imagery, graphics development and site management will be provided to afford the student a full background in web page development. (In-class projects and unit testing are the critical components of student evaluation.) The emphasis will be on writing logically structured, well-documented web sites.

3D Printing and Virtual Reality Programming  Grades 10, 11, 12; one semester, .5 credit, prerequisite: completed Integrated Math 2

What is 3D printing? Why do we use it? How does it work? Well this class provides those answers. Learn how a 3D program operates and how to design and make items in a 3D program to print. In addition to helping students develop problem solving skills, understand and use the engineering process and a basic understanding of computer programming concepts. This course includes lessons in computer programming using Scratch, Alice (3D Virtual Reality), 3D design program and various other computer programs.
Advanced Technology Concepts

Grades 11, 12: both semesters, 1 credit, prerequisite: faculty recommendation and possible evaluation of technical skills by department

This workshop style class will explore the newest technological advances. Students will explore various types of technology and different languages and computer concepts. Students will learn how to repair and diagnose various problems with computers and other technology. The capstone each year will be a presentation of a self-directed project based on a technological advancement or creation.

AP Computer Science Grades 11, 12: both semesters, 1 credit, prerequisite: completed Integrated Math 2 with a grade of A or B and teacher recommendation

Whether it’s 3-D animation, engineering, music, app development, medicine, visual design, robotics, or political analysis, computer science is the engine that powers the technology, productivity, and innovation that drive the world. Computer science experience has become an imperative for today’s students and the workforce of tomorrow. The AP Computer Science course will introduce you to the essential ideas of computer science and show how computing and technology can influence the world around you. You will creatively address real-world issues and concerns while using the same processes and tools as artists, writers, computer scientists, and engineers to bring ideas to life. This course is far more than just learning to program. Along with the fundamentals of computing, you will learn to analyze data, information, or knowledge represented for computational use; create technology that has a practical impact; and gain a broader understanding of how computer science impacts people and society. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. Students are required to take the Advanced Placement test in order to receive credit for this course.
ENGLISH DEPARTMENT

Four years of English are required of all students. Composition and literature are the dual elements studied. Ancillary programs in reading and journalism are available as electives but do not fulfill the 4 years of the English requirement. The core English courses are one semester in length, and two of them are required for one year of English credit, with a few special courses offered for a full year of credit. Students who receive a grade of D or F in an honors/advanced class will be reassigned to a general level English class.

**English 1 Gold**  
Grade 9; one semester each, .5 credit each,  
prerequisite: none

**English 1 Green**  
prerequisite: none

Freshman students are required to enroll in both of these general English courses. Instruction in fundamental literary interpretation and written composition are the main focus of each course. Separate literature units will also be studied.

**English 1 Honors**  
Grade 9; both semesters, 1 credit,  
prerequisite: middle school guidance counselor and teacher recommendation,  
summer reading and writing assignment required and due the first day of school in September

This course provides an enriched and intensified version of the regular ninth grade course, designed for those students whose previous language arts interest and achievement indicate the need for such special instruction. The rigor and content is advanced and a strong interest in reading and writing is recommended.

**English 1/R180**  
Grade 9; both semesters, 2 credits,  
prerequisite: serious difficulty with writing and reading at least two years below grade level, and middle school counselor and teacher recommendation based on collective criteria

This course is structured to meet the needs of freshmen students having pronounced difficulty in reading and writing. This is an integrated reading and writing software assisted course.
Read 180  Grade 9; both semesters, 1 credit, prerequisite: concurrent enrollment in Green and Gold, and recommendation of faculty and counselor based on collective criteria

Read 180 is a specialized reading course designed to meet the needs of students who are below grade level. The program will address individual needs through software, high interest fiction and nonfiction, and direct instruction in reading and writing skills.

English 2 Blue  Grade 10; one semester each, .5 credit each, prerequisite: English 1
English 2 Gray  prerequisite: English 1

Sophomore students study drama, poetry, non-fiction, the short story, and the novel. Concentrated practice is provided in expository writing based on topics from required readings and other sources. Each semester course contains basic composition and OGT review, as well as different literature units.

English 2/R180  Grade 10; both semesters, 2 credits, prerequisite: English 1, faculty and counselor recommendation based on collective criteria

A continuation of the remedial program, this course is structured to meet the needs of sophomore students having pronounced difficulties in reading and writing. This is an integrated reading and writing software assisted course.

English 2 Honors  Grade 10; both semesters, 1 credit, prerequisite: English 1, faculty and counselor recommendation, summer reading and writing assignment due on the first day of school in September

This is an honors course that will intensify the students’ work in tenth grade literature and give special attention to the organization and development of ideas in writing. English 1 grades and teacher recommendation are considered for placement. The rigor and content is advanced and a strong interest in reading and writing is recommended.
English 3 Orange  Grade 11; one semester each, .5 credit each, prerequisite: English 2

Junior students study American literature, poetry, novels, short story and non-fiction. Each semester course contains in-depth writing practice.

English 3 Black  Grade 11; one semester each, .5 credit each, prerequisite: English 2

English 3 R  Grade 11; both semesters, 1 credit, prerequisite: English 2, or English 2R, faculty and counselor recommendation

A continuation of the remedial program, English 3 R is structured to meet the needs of junior students having pronounced difficulties in reading and writing.

English 3 AP  Grade 11; both semesters, 1 credit, prerequisite: English 2, faculty and counselor recommendation, writing / work sample evaluation by BHS English Department, summer reading and writing assignment required and due on the first day of school in September

English 3 AP is a college level course and combines a sophisticated, rigorous approach to literature with highly individualized instruction in composition. This course is intended for students with intense interest and ability in advanced language arts study going beyond normal high school expectations. Strong study and reading skills are needed for success. Students are required to take the Advanced Placement Test for Language and Composition.

English 4 Maroon  Grade 12; one semester each, .5 credit each, prerequisite: English 3

English 4 White  Grade 12; one semester each, .5 credit each, prerequisite: English 3

Senior students complete survey courses in English literature, Greek, Elizabethan and modern drama. This will include extensive planning and preparation of research, argumentation, and analysis papers.

English 4R  Grade 12; both semesters, 1 credit, prerequisite: English 3 or 3R, faculty and counselor recommendations

A continuation of the remedial program, English 4 R is structured to meet the needs of senior students having pronounced difficulties in reading and writing.
English 4 AP  Grade 12: both semesters, 1 credit, prerequisite: English 3, faculty and counselor recommendation, writing / work sample evaluation by BHS English Department, summer reading and writing assignment required and due on the first day of school in September

English 4 AP is a college level course that pursues writing excellence and undertakes a rigorous study of a broad spectrum of the world’s literary works. This course is for only the most serious language arts students with strong reading skills and an intense interest in literature looking beyond high school. Students are required to take the Advanced Placement Test for English.

Journalism 1  Grades 9, 10, 11; both semesters, 1 credit, prerequisite: a grade of A or B in the previous English class and teacher recommendation

Journalism 1 is an intensive course of study aimed at giving the students an understanding of the increasingly important media with concentration on the newspaper, but also covering television, radio, advertising, and public relations.

Journalism 2-3  Grades 10, 11, 12; both semesters, 1 credit, prerequisite: Journalism 1 with a grade of A or B

In a workshop setting, class members comprising The Bugle staff prepare the newspaper for publication. Desktop publishing programs are used to prepare copy for offset printing.

Publications  Grade 10, 11, 12; both semesters, 1 credit, prerequisite: a grade of A or B in the previous English class, recommendation from the previous English teacher, and approval from the Crier advisor

Students learn journalism skills, computer programs, and digital photography needed to create the Crier yearbook. This is a full year commitment during which students are responsible for taking the pictures, writing the text, and creating the pages of the yearbook. Students are graded and tested, and are responsible for obtaining a page of ads and for meeting all deadlines. Strong writing and/or photography skills are essential.
**Digital Video Productions**

Grades 9, 10, 11, 12; both semesters, 1 credit, prerequisite: none

This workshop style course will focus on the art technology of digital video production. Students will produce and edit videos such as documentaries, short films, public service announcements, parodies, and similar projects. Students will be responsible for cameras, live editing, lighting, video networking, and hardware maintenance. Twenty hours’ worth of outside recording will be required for school events (music events, drama shows, football games etc.).

**Broadcast Journalism**

Grades 9, 10, 11, 12; both semesters, 1 credit
prerequisite: none

In this fast paced course, students will work as a team to produce broadcast news segments for both the closed circuit system within the high school as well as the cable access system, Channel 204, (community programming). From this course, students will learn how to do the following: dress for interviews and newscasts, speak on camera, write a news script, practice interview skills, and produce basic news stories. Students will be required to participate in all aspects of production, both on and off camera, which will include anchoring, reporting, research, script writing, video editing, ad-libbing, as well as the care and operation of equipment.
FAMILY AND CONSUMER SCIENCES

Food Science  Grades 11, 12; one semester, .5 credit, prerequisite: none

In this course, students will apply basic culinary practices and understand how flavor, texture and appearance are affected during food preparation. Students will evaluate chemical reactions as they occur in cooking methods and assess how to control high-risk food safety situations. Food safety and sanitation techniques will align to industry-recognized certifications.

Global Foods  Grades 11, 12; one semester, .5 credit, prerequisite: Food Science

In this course, students will compare cuisines, ingredients and preferred cooking methods of various cultures. The influence of traditions and regional and cultural perspectives on food choices and culinary practices will be emphasized. Students will examine the issues and conditions that affect the availability and quality of food in the global market, and apply advanced cooking techniques, including the use of specialty and advanced equipment in the preparation of food dishes.

Child Development  Grades 11, 12; one semester, .5 credit, prerequisite: none

In this course, students will study the principles of child growth, development and behavior. An emphasis will be placed on the cognitive development of a child and sensory and motor skills. Additional topics will include childhood diseases, immunizations, theories of development, learning styles and evaluating childcare services.

Human Growth and Development  Grades 11, 12; one semester, .5 credit, prerequisite: none

In this course, students will analyze human growth and development throughout the lifespan. An emphasis will be placed on physical, cognitive, social and emotional growth and development. Additional topics will include human characteristics and traits, genetic defects, parenting styles and responsibilities and cultural differences within a family unit and community.
FOREIGN LANGUAGE DEPARTMENT

A four-year sequence of four foreign languages is offered by the Foreign Language Department. All courses are designed to meet the personal, career, or university needs of high school students. College prep students should take a minimum of two years of one foreign language. In many cases, a four-year study of a foreign language in high school may waive the college language requirement.

**Latin 1**
Grades 9, 10, 11; both semesters, 1 credit, prerequisite: none

The basic elements of the language are presented with emphasis on developing the ability to translate Latin.

**Latin 2**
Grades 10, 11, 12; both semesters, 1 credit, prerequisite: Latin 1

New grammatical constructions, new vocabulary, and interesting readings are studied to develop an increasing facility to comprehend the Latin language.

**Latin 3**
Grades 11, 12; both semesters, 1 credit, prerequisite: Latin 2

Selections from the writings of Caesar, Eutropius, and passages from Catullus and Pliny are studied, with attention given to literary style.

**Latin 4 Honors**
Grade 12; both semesters, 1 credit, prerequisite: Latin 3

This course includes a study of Virgil's Aeneid as poetry and its influence on western culture. Students will be expected to read passages aloud and scan hexameter verse.

**French 1**
Grades 9, 10, 11; both semesters, 1 credit, prerequisite: none

During the first year, great emphasis is placed on aural and oral facility, as well as some reading and writing.
French 2  Grades 10, 11, 12; both semesters, 1 credit,  
prerequisite: French 1

The course work of French 1 is thoroughly reviewed. Increased emphasis  
is placed upon reading comprehension. Most major grammar rules are  
completed.

French 3  Grades 11, 12; both semesters, 1 credit,  
prerequisite: French 2

Emphasis is upon increased reading and speaking facility with a rapidly  
expanding vocabulary. Reading includes short stories and parts of  
novels. Writing will be a major course activity, as well.

French 4 Honors  Grade 12; both semesters, 1 credit,  
prerequisite: French 3

French 4 Honors focuses on grammar and its technicalities along with  
literature, French history and art. Further expansion of the ability to  
understand as well as produce a more complex level of oral and written  
discourse is emphasized.

Spanish 1  Grades 9, 10, 11; both semesters, 1 credit,  
prerequisite: none

The primary aim of Spanish 1 is to provide students with a sound basis  
for learning Spanish as it is written and spoken today. The course  
focuses on the development of the four primary language skills:  
speaking, understanding, reading, and writing.

Spanish 2  Grades 10, 11, 12; both semesters, 1 credit,  
prerequisite: Spanish 1

Spanish 2 continues the development of the four primary skills  
emphasized in Spanish 1.

Spanish 3  Grades 11, 12; both semesters, 1 credit,  
prerequisite: Spanish 2

Spanish 3 is a course in which the primary skills are expanded to such a  
degree that by the end of the year most students will be able to  
communicate verbally with native speakers of Spanish and will be able
to read, with relative ease, newspapers, magazines, and contemporary literature written in Spanish.

**Spanish 4 Honors**  
Grade 12; both semesters, 1 credit,  
prerequisite: Spanish 3

The format of the Spanish 4 course is essentially the same as that for Spanish 3, but the literature to be read and discussed is more extensive and advanced.

**Italian 1**  
Grades 9, 10, 11; both semesters, 1 credit,  
prerequisite: none

The primary aim of Italian 1 is to provide students with a sound basis for learning Italian as it is written and spoken today. The course focuses on the development of the four primary language skills: speaking, understanding, reading and writing.

**Italian 2**  
Grades 10, 11, 12; both semesters, 1 credit,  
prerequisite: Italian 1

Italian 2 will continue the development of the four primary skills emphasized in Italian 1.

**Italian 3**  
Grades 11, 12, both semesters, 1 credit,  
prerequisite: Italian 2

Italian 3 continues the development of vocabulary and grammar at an advanced level. Students will focus on communicating verbally and through written work.

**Italian 4 Honors**  
Grade 12; both semesters, 1 credit,  
prerequisite: Italian 3

In Italian 4, a play or classic will be read along with contemporary literature. Selections will be discussed and critiques will be written in Italian. Original compositions on relevant topics will also be written. Further expansion of the ability to understand as well as produce a more complex level of oral and written discourse is emphasized.
INDUSTRIAL TECHNOLOGY DEPARTMENT

The Industrial Technology Department offers courses in welding, machine shop, metals, wood, and mechanical and architectural drawing, and television. Industrial Technology topics contribute to the growth of individuals by aiding in coordinating intellectual capacities with mechanical and hand skills. Students taking courses in Industrial Technology must have fees and material money paid before advancing in a particular program or taking other industrial technology programs. Safety glasses, aprons, coveralls, boots, tape measures and combination locks are required in certain programs. These must be purchased and brought in during the first week of that program. Failure to do so may cause the student to be asked to drop the course.

Wood Technology 1  Grades 9, 10, 11, 12; one semester, .5 credit, prerequisite: none

This course is an introduction to wood processing, equipment use, and safety procedures. Emphasis will be placed on safety procedures for all machine set ups and cutting operations through lecture and demonstrations. Students will use techniques learned to build an instructor designed project.

Wood Technology 2  Grades 10, 11, 12; one semesters, .5 credit, prerequisite: Wood 1 with a grade of C or better

This course is for students interested in continuing their knowledge, understanding, and skills in woodworking. The first project the student will have to choose is one of two instructor approved projects. Upon completion, and depending on the student’s capabilities, the student will be able to choose his next projects. The projects must be approved by both the instructor and the parents. All students will have a chance to have their work displayed at the end of the year art show.

Wood Technology 3  Grades 11, 12; both semesters, 1 credit, prerequisite: Wood 2 with a grade of C or better

This course will continue skills learned in Woods 2. Students will complete one project that is chosen by the instructor. All other projects must be approved by both the instructor and parents. Students will use CNC machines to complete projects. All students will have a chance to have their work displayed at the end of the year art show.
Wood Technology 4

Grades 11, 12; both semesters, 1 credit, prerequisite: Wood 3 with a grade of C or better

This course will continue skills learned in Woods 3. Students will complete one project that is chosen by the instructor. All other projects must be approved by both the instructor and parents. Students will use CNC machines to complete projects. All students will have a chance to have their work displayed at the end of the year art show.

Mechanical Drawing

Grades 9, 10, 11, 12; one semester, .5 credit, prerequisite: none

This course introduces students to the fundamentals of drafting and blueprint reading. The basic areas covered are: equipment and materials; use, care, and testing of equipment; lettering; orthographic projection; theory and practices of dimensioning; geometrical construction; sketching; and basic computer drafting skills.

Welding Technology 1

Grades 9, 10, 11, 12; one semester, .5 credit, prerequisite: none

This course is an introduction to welding fundamentals. Welding 1 enables the students to acquire basic experience in three fundamental areas: electric arc welding; gas welding; cutting and brazing. A basic introductory project will be built.

Welding Technology 2

Grades 10, 11, 12; both semesters, 1 credit, prerequisite: Welding 1 with a grade of C or better

Welding 2 will expand upon knowledge learned in Welding 1. Instructor approval is necessary for all projects. Safety will be of utmost importance. Students will be introduced to the MIG welding process. Each student is required to have a project in the Industrial Technology display.

Metals/Machine Technology

Grades 9, 10, 11, 12; one semester, .5 credit, prerequisite: none

Metals/Machine Technology is a comprehensive survey of metals technology encompassing sheet metal work, bench metal work, and machine shop. Emphasis will be placed on safety procedures for all machine setups and cutting operations. Students will learn layout procedures and tooling operations. This course may be taken more than once as students move to more advanced work.
The Mathematics Department offers courses covering topics from basic arithmetic to integral calculus. Courses in Integrated Math 1, 2 and 3, are offered at three levels: General, College Prep, and Advanced. Integrated Math 4 is offered at the General and College Prep levels. Basic Calculus and Advanced Placement Calculus BC complete the math offerings.

Recommended Math Sequence

<table>
<thead>
<tr>
<th>Grade 09</th>
<th>Grade 10</th>
<th>Grade 11</th>
<th>Grade 12</th>
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<tbody>
<tr>
<td>Int. Math 1G</td>
<td>Int. Math 2 G</td>
<td>Int. Math 3 G</td>
<td>Int. Math 4G</td>
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<tr>
<td>Int. Math 1CP</td>
<td>Int. Math 2 CP</td>
<td>Int. Math 3 CP</td>
<td>Int. Math 4CP</td>
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<td>Int. Math 2 CP</td>
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<td>Int. Math 3 CP</td>
<td>Int. Math 4G</td>
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<tr>
<td>Int. Math 3 G</td>
<td>Int. Math 4CP</td>
<td>Int. Math 3 Adv.</td>
<td>Basic Calculus</td>
</tr>
<tr>
<td>Int. Math 4G</td>
<td>Int. Math 4CP</td>
<td>Basic Calculus</td>
<td>A.P. Calculus</td>
</tr>
<tr>
<td>Int. Math 1 Adv.*</td>
<td>Int. Math 3 Adv.</td>
<td>Int. Math 4CP</td>
<td>Basic Calculus</td>
</tr>
</tbody>
</table>

Integrated Math 3A students may choose Integrated Math 4CP or Basic Calculus, but CP students are limited to Integrated Math 4CP.

* Int. Math 1 Adv. taken in eighth grade

For all of the Math courses:

a TI-84 plus graphing calculator is required.
Integrated Math 1 (G, CP, and Adv) Part 1 & Part 2

Grades 9, 10, 11, 12; both semesters, .5 credit each, prerequisite: none

Integrated Math 1 Part 1 & Part 2 are the first two courses in the sequence. They include an introduction to logic, algebra concepts including equations, inequalities, linear functions, and factoring, as well as perpendicular lines, congruence, proof, and probabilities and statistics.

Integrated Math 2 (G, CP, and Adv) Part 1 & Part 2

Grades 9, 10, 11, 12; both semesters, .5 credit each, prerequisite: Integrated Math 1

Integrated Math 2 Part 1 & Part 2 are the third and fourth courses in the sequence. They continue the study of concepts from Integrated Math 1 but go deeper into their understanding. They include further study in logic, algebra, geometry, probability, and introduce field theory, coordinate geometry, transformational geometry, and trigonometry.

Integrated Math 3 (G, CP, and Adv) Part 1 & Part 2

Grades 10, 11, 12; both semesters, .5 credit each, prerequisite: Integrated Math 2

Integrated Math 3 Part 1 & Part 2 are the fifth and sixth courses in the sequence. They include the study of rational expressions, complex numbers, functions, exponents and logarithms. They continue the study of geometry with circles, transformations and trigonometry. The study of sequences, series, matrices and math induction is introduced.


Grade 12 only; both semesters, .5 credit each, prerequisite: Integrated Math 3

Integrated Analysis Part 1 & Part 2 are the last two classes in our integrated math sequence. The courses consist of a modern and technological approach of algebra and analytical geometry. Topics studied include polynomial functions, exponential and logarithmic functions, vector algebra, conic sections, circular functions, and a variety of mathematical concepts which will help the student prepare for college.
Integrated Math 4CP Part 1 & Part 2

Grades 11, 12; both semesters, .5 credit each, prerequisite: Integrated Math 3CP

This is a pre-calculus course designed for students who may continue their studies in areas that require calculus. This course consists of modern treatment of algebra, analytic geometry, and trigonometry. Topics studied include logic, sequences and series, vector algebra, analytic geometry, polynomial functions, exponential and logarithmic functions, and trigonometric and circular functions.

Basic Calculus Part 1 & Part 2

Grades 11, 12; both semesters, .5 credit each, prerequisite: Integrated Math 3A with a grade of A or B, or Integrated Math 4CP with a grade of A or B, and teacher recommendation

Basic Calculus is offered to scientific students - students desiring to continue their studies in the area of advanced mathematics or science. The first semester prepares students for the study of calculus by presenting such topics as polynomial and rational functions, exponential and logarithmic functions, limits, vectors, and trigonometry. The second semester is devoted to the development of differential calculus.

AP Calculus Part 1 & Part 2

Grade 12; both semesters, .5 credit each, prerequisite: Basic Calculus with a grade of A or B and teacher recommendation

This course is designed for only those students desiring advanced placement ranking in a college mathematics program. Students are required to take the Advanced Placement exam in Calculus BC.
CHORAL MUSIC DEPARTMENT

Mixed Chorus

Grade 9, both semesters, 1 credit, prerequisite: none

The purpose of the chorus is to review music fundamentals and to further the enjoyment of singing by concentrating on developing the proper techniques for choral singing, sight singing, theory, and choreography.

Choir

Grades 10, 11, 12; both semesters, 1 credit, prerequisite: previous year’s participation in a BHS choral group. All new students must audition for faculty.

Development of an outstanding singing voice, a serious attitude toward music, good note-reading ability, and musicianship, along with choreography, are class objectives. All types of music from the various periods and styles will be performed. Class may be taken again with a grade of C or above.

Chorale

Grades 10, 11, 12; both semesters, 1 credit, prerequisite: choir or previous choral music experience, plus audition

A small group of approximately 24 voices comprise this group. Exceptionally talented students will be selected by audition for participation in a special performing Chorale. Numerous public performances are scheduled for this ensemble, along with competitions and trips. The choral literature is of a varied type such as pop, rock, spirituals, contemporary, classical and masterpieces. Choreography is often used. Costume and travel expenses are assumed by the individual student.

Boardman Singers

Grades 10, 11, 12; both semesters, 1 credit, prerequisite: choir or previous choral music experience, plus audition

This is a small select ensemble of treble (female) voices. This group will provide opportunity for exceptionally talented students to have more demanding experiences, along with public performances, competition, and trips. It allows the individual musical proficiency necessary for membership in a small singing group. All types of music from the various periods and styles will be performed. Choreography is often used. Costume and travel expenses are assumed by the individual student.
Spartan Singers  
Grades 9, 10, 11, 12; after school, no credit  
Prerequisite: none

Spartan Singers is an after-school ensemble of men who like to sing and/or do not have room in their schedules to take another music class. The group rehearses eight Tuesdays before each concert from 3:05-4:30. They are also included in the December Elementary Performance Tour with the Chorale and Boardman Singers.

**INSTRUMENTAL MUSIC DEPARTMENT**

**Band**  
Grades 9, 10, 11, 12; both semesters, 1 credit, prerequisite: previous year’s participation

**Jazz Ensemble 1 and 2**  
Grades 9, 10, 11, 12; both semesters, 1 credit, prerequisite: audition and Band membership

**THE BOARDMAN BANDS**

Band includes marching band at the beginning and end of the school year, and three different concert groups in the winter and spring.

**Spartan Marching Band** - The Spartan Marching Band is the representative marching unit of the Instrumental Music Department. The Band performs at all regularly scheduled Varsity football games, and various other events including, but not limited to: band festivals, pep rallies, community parades and events, college and professional football games, and national parades and events. The educational goals of marching band focus on coordinating physical movement with music, as well as showmanship and entertainment value. The Spartan Marching Band may have as many as 25 performances in a school year

**Concert Bands** - The Boardman Concert Bands begin rehearsing and performing at or just before the end of marching band/football season. They are each made up of a portion of the total high school band membership. Because each group is smaller than the marching band, they offer students opportunities to explore instrumental music in greater depth and detail than in marching band. There are fewer performances for the concert bands than the marching band. The educational goals of the concert bands deal with individual musical achievement, refined knowledge of one’s instrument, greater exploration of the elements of music, knowledge and appreciation of band literature, and basic music
history. The concert bands perform two evening concerts per year. Two of the bands also participate in District Band Contest.

Placement in Concert Band, Symphonic Band, or Wind Ensemble is determined by audition. In order to rehearse three different groups in two different rooms, students in Concert Band and Symphonic Band will alternate varying lunch times during concert season.

**Wind Ensemble**  Top-scoring students. Between 45 and 60 members. Most difficult music. Band Contest participation in Class AA or A.

**Symphonic Band**  Middle-scoring students. Between 50 and 80 members. Medium level music. Band Contest participation in Class C or D.

**Concert Band**  Lowest-scoring students. Medium-easy level music. Does not participate in Band Contest.

**Additional Band Ensembles**

Many other smaller groups are formed out of marching and concert band including but not limited to: Pep Band, BHS Drumline, RVO (Reverse Osmosis), Christmas Ensemble, Percussion Ensemble, Brass Choir, Flute Choir, and many small instrumental ensembles.

**THE BOARDMAN JAZZ ENSEMBLES**

The jazz program is for students who desire training and experience in exploring and performing America’s musical art form. The jazz ensembles perform at concerts in the school and in the community, and at high school and college jazz festivals. The educational goals of the jazz program include: appreciation of jazz history, composers, performers, and various jazz styles. The program also encourages individual creativity via improvisation. Students should schedule an audition with the Band Director prior to requesting Jazz 1 or Jazz 2.

**Jazz Ensemble 1** is the top group at Boardman and one of the best high school jazz ensembles in the state. It is the group that has performed at numerous high-profile jazz venues including many well-known jazz clubs in the country. The group has performed with many famous jazz artists and groups. Jazz 1 plays mostly professional and college level music.

**Jazz Ensemble 2** is the secondary jazz group but performs as much, if not more than Jazz 1 because it plays at many girls and boys home basketball games. For concerts, Jazz 2 plays medium-easy to medium-
advanced level jazz literature. At basketball games, the group plays a wider variety of styles including pop, rock, and even rap.

**Jazz Ensemble 3** is an after-school ensemble for students who cannot take Jazz 1 or Jazz 2, and for those who want more jazz experience. The group rehearses on Mondays and Tuesdays from 3:05 to 4:05 PM.

**Summer Jazz Ensemble** is basically Jazz Ensemble 1 but can include recent graduates of the program and incoming members of the band. Reviving much of the music played during the school year, the group plays three or four times in a summer at local parks, events, and festivals.

**BOARDMAN ORCHESTRAS**

**Classical Orchestra**  
Grades 9, 10, 11, 12; both semesters, 1 credit, prerequisite: audition

The Boardman Classical Orchestra is a string only group, open to all qualified students as determined by audition. All freshmen string players entering Boardman High School are required to be members of this group unless, through audition, they are selected for Symphony Orchestra.

**Chamber Orchestra**  
Advanced string players in grades 9, 10, 11, 12; both semesters, 1 credit, prerequisite: membership is based on audition and private lessons

The Boardman Chamber Orchestra is open to advanced string players on violin, viola, cello and bass, as determined by audition. Concurrent membership in the Symphony Orchestra is required. The ensemble performs as a separate unit at all Symphony Orchestra Concerts and other scheduled department events.

**Symphony Orchestra**  
Grades 9, 10, 11, 12; both semesters, 1 credit, prerequisite: membership is based on audition and private lessons

The Boardman Symphony Orchestra is open to all qualified students as determined by audition. The wealth of great orchestral music allows for a wide variety in programming. Major symphonic works from the eighteenth, nineteenth, and twentieth centuries are performed. Students, usually seniors, frequently are featured soloists. In addition to performing three community concerts each year, the orchestra performs at the OMEA state adjudicated orchestra event, a college invitational festival, and a national competition.
Project Mayhem Grades 9, 10, 11, 12; after school, no credit
prerequisite: Symphony Orchestra or audition

Project Mayham is an after school electric orchestra for students that
would like a rock experience. The group rehearses on Wednesdays after
school from 3:00-5:30. Membership is based on audition and private
lessons.

Music Appreciation Grades 11, 12; one semesters, .5 credit,
prerequisite: none

Music Appreciation is offered in an on-line format for students who opt
for a self-paced, software-based course in an alternative setting. Students
view lessons, submit assignments, communicate with an off-site
instructor, and receive grades electronically.

This course provides students with an opportunity to consider the role of
music in society and in their own lives. Music history, development of
genres, connections between world events and the music they inspired,
and groundbreaking composers and performers are also topics. Students
are expected to participate in conversations in the on-line forum. A
variety of writing assignments, projects, and quizzes are used for
assessment.
PHYSICAL EDUCATION AND HEALTH DEPARTMENT

Courses are offered to meet the graduation requirement of two semesters of physical education and one semester of health.

**Physical Education**  
Grades 9, 10 (11,12); one semester, .25 credit, prerequisite: none

The physical education curriculum is designed to make a contribution to the personal fitness level of each student. The program will incorporate the five components of fitness as well as knowledge of rules and strategies in games and physical activities. Students select which activities they would like to participate in and learn more about as they are exposed to a variety of team and individual sports. Students must complete written assignments and physical assessments required by the state of Ohio in order to earn the second physical education credit.

**Health**  
Grades 9, 10; one semester, .5 credit, prerequisite: none

Health Education teaches about physical, mental, emotional, and social health. Students gain knowledge, skills and positive attitudes about health. It motivates students to improve and maintain their health, prevent disease and reduce risky behaviors. Areas covered in health are: physical health, mental health, drugs, alcohol, tobacco, sex education (including STD’s), nutrition, diversity awareness, and other current health topics.
SCIENCE DEPARTMENT

The Science Department offers a variety of science courses designed to meet the needs of all students. Of the three science credits required for graduation, one credit must be in Life (Biological) Science and one credit must be in Physical Science. Students planning to major in a science-related field in college should take four years of science.

Recommended Science Sequence

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<tr>
<td><strong>Physical</strong></td>
<td>Biology 1</td>
<td>Anatomy &amp;</td>
<td>Anatomy &amp; Physiology</td>
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<td></td>
<td>Advanced Biology 1</td>
<td>Physiology</td>
<td>Chemistry</td>
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<td>Chemistry</td>
<td>Environmental</td>
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<td>Environmental</td>
<td>Astronomy</td>
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<td>Astronomy</td>
<td>Oceanography</td>
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<tr>
<td>***Advanced</td>
<td>AP Biology</td>
<td>Chemistry</td>
<td>Physics</td>
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<tr>
<td>Biology 1</td>
<td>Anatomy &amp;</td>
<td>Honors Chemistry</td>
<td>Chemistry 2</td>
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<td>Physiology</td>
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<td>Oceanography</td>
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</tbody>
</table>

** For the student of average academic ability

*** For the strong academic student

Physical Science  
(physical science)  
Grade 9; both semesters, 1 credit,  
prerequisite: none

This course enables students to develop an understanding of physical science concepts by teaching them to observe, measure, record, and evaluate data relevant to volume, mass, density, light, heat, and chemical reactions. The course content will include the study of matter and basic chemistry, energy and waves, forces and motion, and the universe.

Biology 1  
(life/biological science)  
Grades 10, 11, (12); both semesters, 1 credit,  
prerequisite: Physical Science

This course represents the traditional approach to the study of biology with particular emphasis on characteristics and structures of life, heredity, the diversity & interdependence of life, evolutionary theory & the historical development of scientific theories. Laboratory experimentation and direct observation are integral parts of the course work.
Advanced Biology 1  
Grades 9, 10; both semesters, 1 credit,  
(life/biological science) prerequisite: Integrated Math 1 CP or A concurrently, plus recommended minimum score of 420 on OAT or recommendation of 8th grade counselor

Advanced Biology is a rigorous look at the major concepts of biology. Biochemistry cell structure and function, evolution, microbiology, genetics and human body systems are intensely studied. Incorporating the study of biology into students’ lives is our main goal. Genetic engineering, medical technologies, forensics, disease control and global and agricultural management will be presented as exciting and achievable fields for our students to pursue. Lab work is an integral part of the course. Microscopy, dissection, and use of technology are all incorporated. Advanced Biology 1 is a precursor to AP Biology or Anatomy and Physiology. Students scheduling Advanced Biology 1 are expected to complete the sequence of AP Biology or Anatomy and Physiology, Chemistry and Physics.

Anatomy and Physiology  
Grades 10, 11, 12; both semesters, 1 credit,  
(life/biological science) prerequisite: Advanced Biology 1 or Biology 1 with a grade of A or B

Anatomy and Physiology is intended to be the equivalent of an introduction college course. Anatomy and Physiology is a yearlong science course designed to prepare students for college biological science courses and for careers in the biological sciences, especially those in health and medical fields. It is also especially relevant to student athletes and other students who are particularly interested in learning about the human body, how it works and how to take care of it. Course content focuses on body tissue, human organ systems and their major processes, and current health issues. There are many diverse classes, laboratories, and research activities that enhance students’ understanding of course concepts, develop students’ analytical and critical thinking skills, promote student inquiry, and build students’ scientific skills and processes. The fetal pig is dissected. This dissection is an integral part of the course and a course requirement.

Students who have taken Advanced Biology and Anatomy and Physiology may not schedule Physical Science as their physical science requirement. These students must earn a physical science credit in chemistry or physics.
AP Biology  
(life/biological science)  Grades 10, 11, 12; both semesters, 1 credit,  
prerequisite: a grade of A or B in Advanced Biology 1 and Integrated Math 2 concurrently

This is a college level biology course. It is designed for only those students desiring advanced placement ranking in a college biology program. The outline prepared by the College Entrance Examination Board is followed. All students are required to take the Biology Advanced Placement Test. Major content areas include: cells and molecules, heredity and evolution, and organisms and populations. The standard AP Biology laboratory component is included, along with a limited dissection of the fetal pig.

Students who have taken Advanced Biology and AP Biology may not schedule Physical Science as their physical science requirement. *These students must earn a physical science credit in chemistry or physics.

Astronomy  
(physical science)  Grade 11, 12; one semester, .5 credit,  
prerequisite: Integrated Math 1 and student must have earned 1 credit of a life (biological) science and 1 credit of a physical science

This course will explore the universe and our place within it. Units covered will include the history of astronomy, the solar system, stars and galaxies. This course will investigate the current research including spectroscopic analysis and the evidence for an expanding universe. Major constellations, with their associated stars and mythologies, will also be described throughout the semester. Instruction will primarily be lecture-based and will include a computer component in the laboratory when appropriate.

Environmental Science  
(life/biological science)  Grades 11, 12; one semester, .5 credit,  
prerequisite: Student must have previously earned 1 credit of a life (biological) science and 1 credit of a physical science

This course will present the principles of ecology and explore relationships between people and their environment. The course will include laboratory work, field work, and virtual laboratory experiences.

Oceanography  
(physical science)  Grade 12; one semester, .5 credit,  
prerequisite: student must have previously earned 3 science credits

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This course incorporates history, geology, chemistry, biology, and environmental science as they relate to the oceans. It will investigate the current impact of human society on the ocean. The course relies heavily on laboratory work and activities to explore the major concepts of oceanography.

**Chemistry** Grades (10), 11, 12; both semesters, 1 credit, (physical science) prerequisite: Geometry and Biology

This course presents a comprehensive investigation of modern chemistry. Concepts and principles are integrated with an extensive laboratory program. A minimum course requirement is to attain a passing grade on the Balancing Equation Test. Failure to meet this requirement will result in an F for the course.

**Chemistry Honors** Grades (10), 11, 12; both semesters, 1 credit, (physical science) prerequisite: a grade of A in Advanced Biology (10), an A or B in AP Biology or Anatomy and Physiology (11, 12); Algebra 2A, Analysis, or Calculus concurrently

This course presents a comprehensive investigation of Modern Chemistry. It will move at a faster pace and at a more challenging level than general Chemistry. Students will participate in an individualized laboratory program. A passing grade on the Balancing Equation Test is required to receive course credit.

**Chemistry 2** Grades 11, 12; one semester, .5 credit, (physical science) prerequisite: earned an A or B in Chemistry

Chemistry 2 will continue an investigation of major concepts in chemistry including: thermochemistry, equilibrium, redox reactions, electrochemistry, nuclear chemistry, and organic chemistry. Laboratory work will demonstrate the application of concepts learned.

**Physics** Grades 11, 12; both semesters, 1 credit, (physical science) prerequisite: Algebra 2

Physics is designed for pre-college students. This course will cover the basic concepts of classical physics and some topics in modern physics if time permits. Extensive laboratory work is included.
The Social Studies Department offers a variety of courses designed to meet the needs of all students. Three credits are required, which must include World History, American History, and American Government. Other courses are available as electives but do not help fulfill the three credit requirement.

World History 1 and 2

Grade 9; both semesters, .5 credit each, prerequisite: none

This survey course is a requirement for freshmen. Topics include the Enlightenment, Industrialization, Imperialism, the World Wars, Fascism, Totalitarianism, the Cold War, and modern world issues. The approach of this course is both chronological and conceptual.

World History 1 and 2 Honors

Grade 9; both semesters, .5 credit each
prerequisite: Recommendation from 8th grade teacher or counselor

This course is offered at the honors level for those with an interest in history or desiring a more rigorous learning experience. The honors course will move at an accelerated rate and present students with more depth about the individuals, events, conflicts, and forces that have shaped world history. Students enrolling in the honors section should expect out of class readings, assignments, and projects with an emphasis on critical thinking, reading, and writing skills.

United States History 1 and 2

Grade 10; both semesters, .5 credit each, prerequisite: World History 1 and 2

This survey course is a requirement for sophomores. Students will explore twentieth century America from Industrialization to present day. Topics include Progressivism, the Great Depression, the New Deal, the home-front during both World Wars, Cold War America, the Civil Rights Movement, and the Vietnam conflict.
United States History 1 and 2 Grade 10; both semesters, .5 credit each, Honors prerequisite: Teacher recommendation and World History 1 and 2 with a grade of A or B

This class is an accelerated version of the required US History course. The approach to history is both chronological and thematic. Students are expected to have a solid background in US History through the Civil War and Reconstruction. Reading, research, creative thinking, and writing skills are heavily incorporated into this course.

American Government 1 and 2 Grade 11; both semesters, .5 credit each, prerequisite: US History 1 and 2

Government is part of the required social studies curriculum. This course will focus on American government at all levels and include an examination of the Constitution, Bill of Rights, three branches of government, law-making process, and state and local government. Students will be encouraged to develop citizenship skills and make connections between concepts in class and current events in America.

AP American Government Grade 11; both semesters, 1 credit, prerequisite: Teacher recommendation and US History 1 and 2 with a grade of A or B

Government is part of the required social studies curriculum and is offered for one credit at the AP level. This course focuses on interconnections between the three branches of the federal government, local-state-national linkages, and the ways in which people impact the democratic process. Special attention will also be given to the Constitution, Bill of Rights, political parties, special interest groups, elections, and state government. Topics will be presented via several instructional methods including textbooks, current events, speakers, audio-visual media, discussions, and interactive simulations. Students should expect a large amount of out-of-class reading and writing. This course is recommended for students considering a career in law, politics, or public service. Students are required to take the Advanced Placement Test in order to receive credit for the course.
Psychology Grades 11, 12; one semester, .5 credit, prerequisite: none

Psychology is the study of human behavior. This course teaches students to understand their own patterns of action, various methods of learning, ways of solving problems, and approaches to good mental health. Topics covered include basic principles of psychology, psychological methods, the body and mind, learning and cognition, development, personality, and health and adjustment. This course also attempts to help students apply psychological approaches into their everyday lives.

AP Psychology Grade 12; both semesters, 1 credit, prerequisite: Teacher recommendation and US History 1 and 2 with a grade of A or B

Psychology is available for one full credit at the AP level. This course will study human behavior and teaches students to understand their own patterns of action, various methods of learning, ways of solving problems, and approaches to good mental health. Topics covered include theories of psychology, psychological research methods, biology of brain and body, sensation and perception, consciousness, learning and cognition, development, personality, intelligence, psychological disorders and treatments, and social psychology. Students registering for this class will receive content comparable to a college-level introduction to psychology course and students are required to take the Advance Placement Test in order to receive credit for the course. This is a rigorous course and is recommended for college-bound students considering a career in psychology, education or counseling.

Sociology Grades 11, 12; one semester, .5 credit, prerequisite: none

Sociology is the scientific study of human social behavior. Topics discussed throughout the course include social structures and institutions, agents of socialization during childhood, adolescence, and adulthood, deviance, crime and social control, racial and social inequality, gender, age and health, and science and mass media.
AP Human Geography

Grade 12; both semesters, 1 credit,
prerequisite: Teacher recommendation and
US History 1 and 2 with a grade of A or B

AP Human Geography is a course designed to provide students with a learning experience equivalent to that of a college course in Human Geography. This course will include the systematic study of geographic patterns and processes that have shaped human understanding. Students are required to take the Advanced Placement Test in order to receive credit for the course.

Employability Skills

Grade 10, 11, 12; one semester, .5 credit,
prerequisite: none

Employability Skills is offered in an on-line format for students who opt for a self-paced, software-based course in an alternative setting. Students view lessons, submit assignments, communicate with an off-site instructor, and receive grades electronically.

In this course, students will develop an awareness of personal strengths, interests, and values, and understand how these attributes should guide job search activities. Skills developed are conducting a basic job search, completing a job application, building a resume, and answering interview questions. In addition, students will learn the benefits of working and how to maintain positive working relationships.
SPECIAL EDUCATION COURSES

A curriculum in academic subjects and functional skills is available for students with disabilities. These classes are designed to meet the specific needs of students receiving special education intervention as required by the Individuals with Disabilities Education Act (IDEA). The identified students are assessed via the multi-factored evaluation (MFE), and an Individualized Education Program (IEP) is designed to meet those needs. Courses are selected for the students at the annual review of the Individualized Education Program by the IEP team.

Students who are on an IEP have several options for their instruction. Resource room instruction serves students whose learning is best achieved in small classes with direct guided instruction designed to meet the goals and objectives of the IEP. Resource room courses are offered in core academic content areas such as English Language Arts, Mathematics, Science and Social Studies at certain levels.

Boardman High School also offers inclusion instruction in many mainstream courses for students on an IEP, with in-class support provided by an intervention specialist along with the general education teacher. IEP students will be placed in the environment where they can be most successful, as determined by our IEP team and upon the recommendation of the guidance and special education departments.

OHIO COLLEGE TECH PREP

A national initiative launched in 1991, College Tech Prep is a partnership between high schools, Youngstown State University, local business and industry, labor, and the community that supports the need for a technically trained workforce. Juniors and seniors take specialized advanced technical classes at central sites in Mahoning County, along with college prep academics at Boardman High School. Students get real world working experience, career exploration, and training in today’s newest technologies. Up to sixteen semester hours of YSU credit may be earned while working towards a Boardman High School diploma. A minimum cumulative point average, good attendance, and sufficient credits are required to enroll.
MAHONING COUNTY CAREER & TECHNICAL CENTER

The Mahoning County Career & Technical Center provides another alternative for Boardman students interested in technical or vocational training. The student attends the technical center for classes but remains on the rolls of Boardman High School and will graduate with the regular class. Programs at the technical center are two years in duration, the junior and senior years. Students seeking admission at the conclusion of their sophomore year are required to have earned a minimum of ten credits.

Admission to the technical center is not automatic. Many of the more popular programs may have more applicants than the number of positions available. In these cases, selection will be determined by attendance during the ninth and tenth grades, teacher recommendations, related activities, and grades in related courses.

A student returning to Boardman High School from the Mahoning County Career & Technical Center must complete the specific requirements for graduation for those students attending Boardman High School.

CRITERIA FOR AWARDING FIRST IN CLASS

To be awarded the honor of First in Class, the student shall be required to meet all of the criteria listed in this policy.

The student must physically attend Boardman High School for a minimum of four semesters. For purposes of illustration only, this would not include such educational options as home schooling, home instruction, any other public or parochial school, the Simon School or PACE.

1. The student must satisfy the following curriculum requirements:
   a. English – complete 4 years (or the credit equivalent including a minimum of two semesters of any advanced, honors or AP English course.
   b. Mathematics – complete 4 years (or the credit equivalent) including a minimum of two semesters of Basic Calculus or AP Calculus
c. Science – complete 4 years (or the credit equivalent) including two of the following choices of course selections:
   i. AP Biology
   ii. Chemistry or Honors Chemistry
   iii. Physics or Chemistry II

d. Social Studies – completed 3 years (or the credit equivalent) including a minimum of two semesters of Honors World History, Honors U.S. History, or AP Government.

2. Must complete two of the following:
   a. Earn either three credits of one foreign language or two credits each of two foreign language
   b. Earn one credit of art or music
   c. Earn one credit of business, technology, or industrial technology

3. Any student receiving high school credit in accordance with SB140 post-secondary enrollment options shall receive credit for this course toward the requirements of this policy providing prior approval has been granted.

4. Students transferring to BHS can request to have previous coursework evaluated to satisfy the requirements in sections 1 and 2. Note: Transfer students must physically attend Boardman High School for a minimum of four semesters as mentioned previously.

5. This policy will be in effect for all students new to Boardman High School in school year 2010 – 2011 and thereafter.

6. Analysis (Int. Math 4CP) and Anatomy and Physiology may be used to satisfy the criteria through the class of 2018.

**COMMENCEMENT REQUIREMENTS**

It shall be the policy of the Board of Education to acknowledge each student's successful completion of the instructional program and the successful completion of the State required proficiency tests by awarding a diploma at an appropriate commencement exercise.
The Board shall award a regular high school diploma to every student enrolled in the District who meets the requirements for graduation established by this Board and approved by the State Board of Education. Each diploma shall be signed by the President and Treasurer of the Board, the Local Superintendent, and the principal of the high school, and shall bear the date of its issue.

The requirement for graduation shall be the successful completion of the State required proficiency tests and the completion of work and studies representing the instructional program assigned to grades nine through twelve. A diploma shall not be awarded to any student who has not successfully completed the listed requirements. Participation in commencement is a privilege reserved for those individuals who successfully complete all graduation requirements established by the Boardman Board of Education. Failure to meet all local and state requirements will exclude an individual from commencement exercises.

HONOR ROLL

Honor Roll is computed for all students at the end of each grading period. Please note that full year class grades carry more weight in this process than semester class grades.

Principal’s Honor Roll = 4.000
Honor Roll = 3.750 to 3.999
Merit Honor Roll = 3.500 to 3.749

DEPARTMENT FEES

Students should be aware that certain courses will require fees for expendable materials, supplies, equipment, and workbooks. Fees are established by the Board of Education prior to the opening of each school year and must be paid in order to receive grades and credits.

PARENT ACCESS

Every parent and student receives a parent or student Progress Book account. This online account allows parents to securely log in to the internet to see their student’s attendance information, class assignments, class fees and fines and their status, demographic and report card information. Password and log in information will be provided to parents and students the beginning of the school year.
BOARDMAN HIGH SCHOOL
COUNSELING DEPARTMENT

David Kornbau, Associate Principal

School Counselors

William Orr
(A - D)

Daniel Ewing
(E - K)

Richard Smrek
(L - Q)

Shana Craig-Yardas
(R - Z)