

# **PROGRAM OF STUDIES**

**2020 - 2021**



**ATTLEBORO HIGH SCHOOL**

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Attleboro High School does not discriminate on the basis of age, color, disability, national origin, race, religion, sex, sexual orientation, or gender identity.



**February 2020**

Dear Students and Parents:

You are about to embark upon an important period of the academic year: the course selection and registration process. This *Program of Studies* is designed to provide you with course descriptions and academic information necessary to complete your course registration for the 2020-2021 academic year.

Attleboro High School engages, challenges, and inspires its students to acquire the skills and knowledge necessary to continue on to be college and career ready, to prepare to become responsible members of the global community, and to participate in school activities and community service -- all the while growing in personal responsibility. The curriculum has been carefully designed to inspire, challenge, direct, and encourage within the context of a supportive community. The academic program consists of **core courses** required for all and a variety of **electives** from which students may request, based upon their individual talents, interests, and goals. This year the students of Attleboro High School will begin the course selection process in February. Students will make course selections during the school day and choices will be inputted through the Aspen course selection portal.

Please be sure to review the **procedures** and **prerequisites** carefully and allow time for the completion of the online process. Many steps take place behind the scenes and cannot occur until other steps are complete. In order to be ready for the next school year, it is important that all deadlines are strictly your requests; however, scheduling nearly 2000 students and teachers is always subject to budgetary observed. It is also important to be mindful that these are **requests**. Every effort will be made to honor constraints and staffing considerations.

Effective immediately, students and families should review the Program of Studies to ensure that all students make appropriate and realistic course requests. Students are also encouraged to seek advice from teachers, administrators, support staff, Guidance Counselors, and family members. If students do not submit course requests on their own, guidance counselors will submit them on their behalf. If your family needs assistance, please be sure to contact your guidance counselor.

In the strongest sense of *Blue Pride*, I remain,

A handwritten signature in cursive script that reads "Bill Runey".

Bill Runey  
Principal  
bruney@attleboroschools.com

## ATTLEBORO HIGH SCHOOL GRADUATION REQUIREMENTS

	Class of 2021	Class of 2022	Class of 2023	Class of 2024
English credits	20	20	20	20
Math credits	20	20	20	20
Science credits	20	20	20	20
Social Studies credits	20	20	20	20
PE/Health credits	10	10	10	10
Visual/Performing Arts credits	5	5	5	5
World Language credits	10	10	10	10
<b>Minimum Credits</b>	<b>130</b>	<b>130</b>	<b>130</b>	<b>130</b>

- 4 years of English (English I [College Prep or Honors]; English II [College Prep or Honors]; English III [College Prep or Honors] and an elective, or AP Language; and English IV [College Prep or Honors] and an elective, or AP Literature)
- 4 years of Math, including Algebra I, Geometry, and Algebra II
- 4 years of Science, including Physics, Biology, and Chemistry
- 4 years of Social Studies, including United States and World History
- 2 years of World Language
- 10 credits of PE/Health (2.5 credits each year)
- 5 credits of Visual or Performing Arts

(Possible exemptions exist for CTE students in World Language, Art, Science, or History)

**Visual or Performing Arts** includes Visual Arts; Performing Arts; Creative Writing; Culinary Arts; AHS Student News; Graphic Design and Communications; and others. Students should check with their Guidance Counselor if they have questions about this requirement.

**Students who plan to play sports at the Division 1 or Division 2 college level should meet with their Guidance Counselor to ensure that their course selections meet NCAA eligibility requirements.**

## Helpful and Important Information

### Purpose of This Document

This document is designed to facilitate the course selection process for all students. It is an all-inclusive Program of Studies (POS). Please note that the purpose of the POS is to act as a vessel to show the school community the entire catalogue of course offerings. As such, **not all courses will be offered every year**. AHS can only offer so many courses and sections based on a combination of student requests, graduation requirements, and available staff. Niche courses such as French and others may not run due to a number of factors including student interest and staffing.

### Course Requests

As noted in the introductory letter and stated again here for emphasis, students are making *requests* when they select classes; **there is no guarantee of placement in a course because a request is made**. As such, it is imperative to select alternate courses.

### Class Rank and Salutation/Valediction

Although this information has been shared already in our Handbook, emphasizing AHS' changes to class rank and salutation/valediction procedures makes sense to do in this space.

Students' academic standing will be indicated by deciles (top 10%, second 10%, third 10%, and so on) based on the student's weighted GPA. Weighted GPA places special emphasis on Advanced Placement courses and provides an additional 10 points (or its equivalent) to the students completing such a course. Honors courses carry an additional 5 points (or its equivalent) to the students completing such a course. The resulting GPAs are consequently referred to as weighted GPAs, which are used only for this purpose. The weighted grades that are applied to calculate weighted GPAs are neither used for determining Honor Roll status nor shown on official transcripts.

All students in the top decile and/or students who are recipients of the Honors Diploma will be eligible to give the salutation or valediction at graduation. To determine these honors, the top decile will be tabulated at the end of the second trimester marking period and Honors Diploma recipients will be notified shortly thereafter. AHS is returning to the origins of the commencement tradition in which the salutatorian gives the salutation (greeting at the start of graduation exercises) and the valedictorian gives the valediction (farewell). Interested students who meet eligibility requirements for these speaking honors will apply to a panel in the spring and be notified prior to graduation. The panel will bestow these honors to two members of the graduating class. Students must complete their entire junior and senior years at AHS to be eligible to give the salutation or valediction.

**PROMOTION CRITERIA**  
**September, 2020**

<b>Class of 2021 (130 total credits needed)</b>	
To be promoted to Grade 12	A student must have earned 92.5 credits
<b>Class of 2022 (130 total credits needed)</b>	
To be promoted to Grade 11	A student must have earned 55 credits
<b>Class of 2023 (130 total credits needed)</b>	
To be promoted to Grade 10	A student must have earned 22.5 credits

## **PREREQUISITES FOR HONORS/AP COURSES**

Attleboro High School offers an Honors level curriculum in most core subject areas. Some of these courses follow the Advanced Placement curriculum and are designated as AP. All of our course offerings are designed to prepare students for the challenges beyond high school whether in a college or career setting. Our Honors courses provide motivated students the chance to delve more deeply into the content area, and, consequently, move at a faster pace with significant student workloads. We hope that all students find the curricular level that best suits their current needs and post-secondary goals.

Although we encourage all students to take risks and attempt our most challenging offerings, the Honors selections are not appropriate for everyone. Students who select these classes should have excellent attendance and work-habits, and a willingness to go beyond the minimum requirements to ensure a mastery of the content and skills required by the course. In addition to adhering to course sequence requirements (e.g., a student must take Algebra I before Algebra II), we have the following prerequisites for our Honors and AP courses:

### **Upon Entry to AHS**

Students moving from 8th to 9th grade will be recommended for Honors coursework by the teacher team in their respective middle school. This recommendation will be based on criteria such as MCAS scoring trends, District Common Assessments, attendance, grades, discipline records, and work habits. Students from outside the Attleboro Public Schools will be subject to these prerequisites where applicable. For information on appeals, see below.

### **While at AHS**

Students must have a recommendation from their teachers to enroll in Honors/AP courses when changing levels. Teachers are asked to consider specific criteria when making a recommendation including effort, grades, attendance, discipline, and standardized test scores.

### **Senior Addendum**

To be placed in an Honors class as a Senior, a student must have already completed an AP course as a Sophomore or a Junior, or be concurrently enrolled in an AP Course in their Senior year.

### **Prerequisite Appeal Process and Waivers**

A student may appeal for a waiver of his or her placement. Appeals must be made in writing to the Assistant Principal for Curriculum and Supervision and must be received by April 30, 2020. The letter must contain the student's justification, including evidence pertaining to academic capacity and work habits, for placement in the more challenging curricular level. The student's request will be carefully considered, and a decision will be communicated to the student in May. Second appeals will not be accepted.

## HONORS DIPLOMA

The core of the APS mission is to engage, challenge, and inspire students to reach their potential. The Honors Program is an essential component of that mission. It provides our most motivated students with the most challenging high school experience that AHS can offer. These extremely challenging requirements are also designed to engage these students and inspire them to reach heights they didn't think possible. By doing so, this will make them the best students they can possibly be while simultaneously increasing their marketability to top tier academic institutions. A program description will be included in the school profile that is sent to colleges. Successful completion of the program earns the Honors Diploma.

### Course Requirements

All students are required to take a minimum of four collegiate equivalent courses of their choosing from any content area. Listed below are the required Honors courses and the AP choices students have in each content area. There are no course requirements for 9th graders.

Subject	Honors Diploma Course Requirements
English Language Arts	Required <ul style="list-style-type: none"> <li>● English II H</li> </ul> Choices in Grades 11 & 12 <ul style="list-style-type: none"> <li>● English III H or AP Language and Composition</li> <li>● English IV H or AP Literature and Composition</li> </ul>
Mathematics	Required <ul style="list-style-type: none"> <li>● Algebra II H</li> <li>● Precalculus H</li> </ul> AP Choices in Grades 11 & 12 <ul style="list-style-type: none"> <li>● AP Calculus</li> <li>● AP Statistics</li> <li>● AP Computer Science A</li> <li>● AP Computer Science Principles</li> </ul>
Science	Required <ul style="list-style-type: none"> <li>● Biology H*</li> <li>● Chemistry H</li> </ul> AP Choices in Grades 11 & 12 <ul style="list-style-type: none"> <li>● AP Environmental Science</li> <li>● AP Physics</li> <li>● AP Biology</li> <li>● AP Chemistry</li> </ul> *Only required if a student is not taking an AP Science course in grade 12.
Social Studies	Required <ul style="list-style-type: none"> <li>● US History A/B H or AP World History</li> </ul> AP Choices in Grades 11 & 12 <ul style="list-style-type: none"> <li>● US Government H*</li> <li>● AP World History (In lieu of US History A/B H)</li> </ul>

	<ul style="list-style-type: none"> <li>● AP US History</li> <li>● AP Government</li> <li>● AP Psychology</li> </ul> <p>*Only required if a student is not taking an AP Social Studies course in grade 12.</p>
World Languages	<p>Spanish</p> <ul style="list-style-type: none"> <li>● Level II H</li> <li>● Level III H</li> <li>● Level IV H</li> </ul> <p>or</p> <p>American Sign Language</p> <ul style="list-style-type: none"> <li>● Level II</li> <li>● Level III</li> </ul> <p>Students taking ASL will require a teacher recommendation for Honors Diploma eligibility.</p>
<b>Other Requirements</b>	
Overall Grades	<ul style="list-style-type: none"> <li>● Students must maintain a weighted GPA of 90 or higher (or its equivalent).</li> </ul>
Collegiate Equivalent Courses	<ul style="list-style-type: none"> <li>● Students must show competency in four collegiate equivalent courses. Students have three ways to show competency: <ul style="list-style-type: none"> <li>○ Scoring a 3 or higher on an AP Exam taken between grades 10-12.</li> <li>○ Completing a dual enrollment course with a grade of 80 or better.</li> <li>○ Completing a Level III CTE course with a grade of 90 or better with an accompanying letter of recommendation from the CTE teacher.</li> </ul> </li> </ul>
Standardized Test Score Requirements	<ul style="list-style-type: none"> <li>● Students must achieve a combined score of 1250 on the SAT exam.</li> <li>● Students must achieve a minimum score of 3 on all AP exams taken.*</li> </ul> <p>*One score of 2 is allowed but that score will only be accepted if the student receives a letter of recommendation from the instructor of the course in which the 2 was earned.</p>
Extracurricular Requirements	<ul style="list-style-type: none"> <li>● Students must complete 40 certified hours of community service.</li> <li>● Students must participate in at least two after-school activities each year.</li> <li>● Students must commit to one activity for at least three years.</li> </ul>
Graduation	<ul style="list-style-type: none"> <li>● Students must meet all other applicable graduation requirements.</li> </ul>

Note: The Honors Diploma requirements will be changing for the class of 2023. The major change will include a capstone project to be completed during the candidate's junior and senior years.

## COMPETENCY DETERMINATION

In accordance with M.G.L. c.69, § 1D (i), satisfaction of the requirements of the Competency Determination shall be a condition for high school graduation. A school committee shall award the high school diploma only to a student who has satisfied the Competency Determination requirement and who has met local graduation requirements.

	Classes of 2021 and 2022	
	Option 1	Option 2
ELA	Earn a score of 472 or higher	Earn a score between 455 and 471 and Fulfill the requirements of an Educational Proficiency Plan
Math	Earn a score of 486 or higher	Earn a score between 469 and 485 and Fulfill the requirements of an Educational Proficiency Plan
STE	Earn a score of 220 or higher	N/A

### Educational Proficiency Plan

Students needing an EPP for a Competency Determination in either English or Math must develop the plan with their Guidance Counselor. All EPPs require students to take coursework in the required subject(s) in BOTH the junior and senior years. Students can place out of the EPP requirement by earning a passing score on a special EPP MCAS test, which can be administered by the school when appropriate. The state requires that EPPs *for each required content area* shall include, *at a minimum*:

- (a) A review of a student's strengths and weaknesses in the content area.
- (b) The courses the student will be required to take and *successfully complete* in grades 11 and 12 that will move the student toward proficiency on the grade 10 curriculum framework standards as well as on the grade 11 and 12 standards.

A description of the assessments the school will administer on at least an annual basis to determine whether the student is making progress toward proficiency, or has become proficient on the grade 10 standards.

## DUAL ENROLLMENT

Dual enrollment allows students to obtain both high school and college credits while enrolled in a single course.

Benefits of Dual Enrollment<sup>1</sup> include 1) challenges students with college-level coursework, 2) decreases the cost and time required to earn a degree, 3) fosters college aspirations, 4) improves college outcomes.

Attleboro High School supports dual enrollment opportunities for its juniors and seniors. Students must meet eligibility requirements, follow the dual enrollment procedure, and obtain approval for all classes by the Content Coordinator and an Administrator.

General Eligibility Requirements<sup>2</sup>: 1) promoted out of 10th grade, 2) at least 16 years old, 3) met MCAS graduation requirements in the given subject.

### AHS Dual Enrollment Procedure:

Student meets with Guidance Counselor to express interest.

1. Guidance Counselor determines whether the request requires Level I or II approval.
2. Guidance Counselor creates a plan and reviews it with student and parents.
3. Guidance Counselor helps to complete the dual enrollment registration form.
4. Student and parent sign and submit the dual enrollment agreement.
5. Student registers for class(es) with the college and completes it (them) successfully.
6. Student releases the grades to AHS to receive AHS credit.

### Approval for Classes:

- Level I requests need only the approval of the Guidance Counselor and an Administrator.
- Level II requests need to be approved by a team consisting of the Guidance Counselor, Content Coordinator, an Administrator, and any other appropriate school personnel.

Attleboro High School, in partnership with Bristol Community College (BCC), offers students a wide range of convenient and affordable dual enrollment opportunities. Please see your Guidance Counselor or <http://www.bristol.mass.edu/> for more information. State colleges, including BCC, sometimes receive grants specifically for dual enrollment and are consequently able to offer courses at a deeply discounted rate. These grants often carry a GPA requirement. Be sure to ask about financial support when investigating dual enrollment options.

## **RHODE ISLAND COLLEGE EARLY ENROLLMENT PROGRAM (EEP)**

The EEP is a concurrent enrollment program that offers college credit from Rhode Island College to Attleboro High School students. Concurrent enrollment means students earn both high school credit and college credit for certain designated courses offered at Attleboro High School. Information may be obtained from the student's Guidance Counselor.

### **Who is Eligible?**

Rhode Island College's EEP is designed for highly motivated high school students who seek the rigorous challenge of a college-level experience while still in high school.

### **How is Credit Awarded?**

The awarding of college credit is *not* dependent upon standardized testing at the end of a course, but rather on a student's performance throughout the class and the grade he/she *earns*. This is known as "authentic assessment."

### **Who Accepts Rhode Island College EEP Courses?**

Once the student completes a high school EEP course, the grade earned becomes part of an official Rhode Island College transcript. Students may use the credits at RIC or transfer them to hundreds of public and private four-year institutions that accept EEP credits. A partial list is available on the EEP website at [www.ric.edu/eep](http://www.ric.edu/eep).

### **Advantages of Taking EEP Courses:**

- Experience rigorous post-secondary academic challenges in a high school environment
- Focus on critical thinking and writing skills
- Earn college credits based on the grade earned in a course, not on a standardized test score
- Get a head start on college
- Reduce college tuition
- Save money on college textbooks
- Decrease the cost and time required to earn a degree
- Cultivate college aspirations
- Improve college admissions

For more information please go the EEP website at [www.ric.edu/eep](http://www.ric.edu/eep).

*\*We hope to fulfill all requests, however, due to scheduling constraints that are sometimes beyond our control (class size, conflicts with other classes), we are not able to guarantee placement.*

## SCHEDULING TIMELINE

In February, students and their parents will be making course selections for next year. These requests will be checked by Guidance Counselors as they meet with students. The final requests can be reviewed by families in Aspen. From these finalized requests, the schedule for next year will be built and students will be scheduled into available courses.

As the schedule is created and revised through the end of the school year and is often not finalized until the summer, changes to requests after our initial enrollment period should be minimal. This includes changes to second and third trimesters. Beginning July 1, schedules will only be changed for educationally compelling reasons, and such changes will require approval from the Guidance Counselor, Content Coordinator, and the Principal.

### After the Academic Year Begins...

Possible reasons for a schedule change:	Schedules will <u>not</u> be changed for the following:
<ul style="list-style-type: none"> <li>● Inappropriate level</li> <li>● Unmet prerequisite</li> <li>● Scheduling error</li> <li>● Health and safety</li> </ul>	<ul style="list-style-type: none"> <li>● Convenience</li> <li>● To be with a friend</li> <li>● Conflict with a teacher</li> <li>● No longer interested in course</li> </ul>

### Weighted Grades

Attleboro High School weights certain courses to determine class rank. The resulting students' grade point averages (GPA) are consequently referred to as *weighted GPAs*, which are used only for this purpose. The weighted grades that are applied to calculate weighted GPAs are neither used for determining Honor roll status nor shown on official transcripts. In order to compute the weighted GPA, Honors level (H) courses will have five points (or its equivalent) added to the final grade and Advanced Placement (AP) courses will have ten points (or its equivalent) added to the final grade.

## ART AND MUSIC DEPARTMENTS

ART & MUSIC Offerings (Students must take and pass 5 credits in visual or performing arts.)					
Number	Course	Grade(s)	Prerequisites	Trimesters	Credits
051545	Art I	9-12		1	2.5
051546	Art II	10-12	Art I	1	2.5
051560	Drawing I	9-12		1	2.5
051561	Drawing II	10-12	Drawing I	1	2.5
051570	Painting I	9-12		1	2.5
051571	Painting II	10-12	Painting I	1	2.5
051590	Freshman Pottery	9		1	2.5
051595	Pottery I	10-12		1	2.5
051596	Pottery II	10-12	Pottery I; (or) Freshman Pottery	1	2.5
051598	Clay Sculpture I	10-12		1	2.5
051599	Clay Sculpture II	11-12	Clay Sculpture I	1	2.5
051600	Clay Sculpture III	11-12	Clay Sculpture II/Pottery II	1	2.5
051660	Jewelry/Metalsmithing I	10-12		1	2.5
051661	Jewelry/Metalsmithing II	10-12	Jewelry/Metal I	1	2.5
051668	Jewelry/Metalsmithing III	11-12	Jewelry/Metal II	1	2.5
051650	The Art of Crafts	9-12		1	2.5
051707	Junior Portfolio Art	11	Art II; (or) Drawing I; (or) Painting I	1/2/3	2.5/5/7.5
051708	Senior Portfolio Art	12	Junior Portfolio	1/2/3	2.5/5/7.5
051740	AP Studio Art 2-D	12	Junior Portfolio	3	7.5
051750	AP Studio Art 3-D	11-12	Clay Sculpture II	3	7.5
043100	Art & Culture	11-12		1	2.5
043101	Modern Contemporary Art	11-12		1	2.5
051690	Introduction to 3D Animation A	9-12		1	2.5
051691	Introduction to 3D Animation B	9-12	Intro to 3D Anim. A	1	2.5
102031	3D Animation A	9-12	Intro to 3D Anim. B	1	2.5
102032	3D Animation B	9-12	3D Animation A	1	2.5
102038	Advanced 3D Animation	9-12	3D Animation B	1/2/3	2.5/5/7.5
051990DE	Dual Enrollment Art	9-12		2	5
051020	Band	9-12		3	7.5
051110	Mixed Chorus	9-12		3	7.5
051117	Women's Choir	9-12		1	2.5

051116	Men's Choir	9-12		1	2.5
051190	Music Appreciation	9-12		1	2.5
051145	Music Theory	10-12	Music Appreciation	1	2.5
051146	Advanced Music Theory	11-12	Music Theory	1	2.5
051176	History of Rock and Roll	9-12		1	2.5
051100	World Drumming	9-12		1	2.5
051490DE	Dual Enrollment Music	9-12		2	5

## ART OFFERINGS

### 051545 Art I

#### 2.5 credits

This course is an introduction to the basic elements and principles of art in the areas of drawing, painting, and printmaking. The focus is on observation and developing basic techniques. A number of basic 2D design projects will be offered to provide students with a solid foundation in arranging space and using color in works of art. Students will leave with an understanding of the methods and vocabulary necessary to create and critique art.

### 051546 Art II

#### 2.5 credits

This course is designed to build upon skills acquired in Art I. Students will move beyond the basics to more complex explorations of methods, materials and concepts. This class will explore the possibilities and potentials of two-dimensional media such as drawing, painting, and printmaking. Students should maintain an active sketchbook.

### 051560 Drawing I

#### 2.5 credits

This drawing course offers students an opportunity to explore and expand skills through the use of media such as pencil, pastel, pen & ink, and charcoal. Students will learn different techniques and develop skills to learn to draw realistically and then use these skills to successfully express a personal vision within their work. Assignments will include working from direct observation, to portraiture, to conceptual problem solving.

### 051561 Drawing II

#### 2.5 credits

Students will continue to build upon technical skills acquired in Drawing I. They will be guided to use their creativity and focus on expanding their observational skills as they create stimulating artwork. Assignments will provide opportunities for the individual student to explore that which is of interest to them, working toward the student developing a unique personal style and/or voice.

### 051570 Painting I

#### 2.5 credits

In this painting course students will be introduced to a variety of wet media, such as tempera, acrylic, and watercolor. Assignments will focus on developing skills and techniques to achieve desired results, as well as the importance of color usage and color theory. There will be an art history component in

which artists of the past and present are introduced along with their contributions to painting, the visual arts, and society.

**051571 Painting II**

**2.5 credits**

Students will continue to build upon technical skills acquired in Painting I. Coursework is designed to challenge students' creativity along with their understanding of the materials and techniques used in painting. Assignments will range from focusing on color theory and color relationships; to observational work; to collaboratively working with their peers; and to working creatively and conceptually. Students are expected to take ownership of their work and develop and/or express a personal style and vision.

**051590 Freshman Pottery**

**2.5 credits**

Students will learn pottery wheel techniques to make functional pottery. Students may also have the opportunity to create clay sculptures. Emphasis will be placed on craftsmanship and design solutions that meet intended use and meaning. Students will be expected to participate in critiques concerning their work and the work of classmates. This class satisfies the prerequisite for Pottery II.

**051595 Pottery I**

**2.5 credits**

Students will learn pottery wheel techniques to make functional pottery. Emphasis will be placed on craftsmanship and design solutions that meet intended use and meaning. Students will be expected to participate in critiques concerning their work and the work of classmates. This class satisfies the prerequisite for Pottery II

**051596 Pottery II**

**2.5 credits**

Students will build on pottery wheel skills acquired in Pottery I or Freshman Pottery to produce more ambitious functional ware and projects that focus on non-functional sculptural ware. This class satisfies the prerequisite for Sculpture/Pottery III.

**051598 Clay Sculpture I**

**2.5 credits**

Students learn several fabrication techniques for producing hand-built ceramic ware and sculptures that express their aesthetic. Student work will be developed by independent and cooperative problem solving by employing principles of design.

**051599 Clay Sculpture II**

**2.5 credits**

Projects are assigned to express flexible problem solving by students. Class time is devoted to developing student work that employs skills previously acquired with an emphasis placed on aesthetics. Students learn to critique their work and the work of their classmates. This class satisfies the prerequisite for Clay Sculpture III.

**051600 Clay Sculpture III**

**2.5 credits**

Students who have successfully passed Sculpture II will develop an independent direction for their work. Studio class time will be devoted to critique and project fabrication.

**051660 Jewelry/Metalsmithing I****2.5 credits**

This course introduces students to traditional metalsmithing & jewelry making. Students will create jewelry and functional objects that will reflect their understanding of demonstrated metalworking techniques combined with their solutions to 3D design challenges. The basic metalsmithing techniques that will be covered include embellishment, sawing, soldering, and polishing. An emphasis will be placed on the concepts of design and craftsmanship.

**051661 Jewelry and Metalsmithing II****2.5 credits**

This course will allow students to expand their design and craftsmanship abilities beyond the prerequisite introductory course. Students will create jewelry and functional objects that will reflect their understanding of demonstrated metalworking techniques, such as embellishment, sawing, soldering, and polishing, combined with their solutions to 3D design challenges.

**051668 Jewelry and Metalsmithing III****2.5 credits**

This advanced level course allows students to dive into more complex metalsmithing and jewelry making as well as further expand their design and craftsmanship abilities. Students will have the opportunity to work with some independence while advancing their three-dimensional skills of design and craftsmanship.

**051650 The Art of Crafts****2.5 credits**

This course is for students who are interested in creating crafts. Students will learn how to weave, crochet, collage, build, embroider, and sew. Arts and crafts of various cultures will be explored while creating works of art. Students will experience working with a variety of different mediums such as yarn, fabric, metal, and wood while learning multiple studio techniques.

**051707 Junior Portfolio Art****2.5/5/7.5 credits**

This course is designed for highly motivated juniors who are considering furthering their studies of the visual arts. This studio intensive class will cover concepts understood from previous art classes while pushing the boundaries of traditional means of art. An exploration into an art career will be required; students will gather, create, and present relevant information of this career to help better understand and appreciate the roles of artists in today's society. Their portfolio will focus on pieces of work utilizing two and three-dimensional media. Students are expected to keep an active sketchbook and spend time on projects outside of class.

**051708 Senior Portfolio Art****2.5/5/7.5 credits**

Senior Portfolio Art is focused intensively on the development of the student as an individual artist. Students will create a full portfolio of artwork that is directed towards the submission of a portfolio for art school as well as acquire knowledge of the professional art world. Seniors will develop a thesis which will guide their work in a particular area of interest. A final presentation including the body of work, resources gathered, and artist's commentary of the experience will be required. Students are expected to work outside of class. This includes, but is not limited to, keeping an active sketchbook.

**051740 AP Studio Art 2-D****7.5 credits**

This course is designed for Senior students extremely motivated and seriously interested in 2D visual art. In following and aligning with the College Board's suggested curriculum, the submitted portfolio of 24 artworks will consist of three areas of focus which will be assessed: 1) a sense of quality in students' work in regard to form, content, and execution; 2) the students' need for breadth of experience showing a wide range of materials, ideas, and approaches to making art (12 pieces); and 3) a sense of concentration to a particular student-selected topic (12 pieces). The objectives of this course provide students the opportunity to create, build, and demonstrate an extensive artistic portfolio of work and explore advanced design concepts and theme through a wide range of two-dimensional materials. Choices in medium, style, themes, and content shall be made by the student in consultation with the teacher and work is expected to be completed both at home and during school hours. All students must satisfy necessary prerequisites for this course and *are required to take the AP exam and pay a subsidized portion of the fee associated with this exam.*

Prerequisites: Junior Portfolio Art; or teacher approval after review of student portfolio.

**051750 AP Studio Art 3-D****7.5 credits**

This course is for exceptionally motivated student who wish to focus on developing three-dimensional artwork. The course follows the College Board curriculum. The objective of this course is to provide students the opportunity to create their portfolio of work. The portfolio will consist of twelve works focusing on a topic of the student's choosing and an additional twelve of works breadth that demonstrate the use of a variety of media. Prerequisites: Sculpture I, and II, or the recommendation of the instructor. *All participants in this course are required to take the AP exam and pay a subsidized portion of the fee associated with this exam.*

**043100 Art and Culture****2.5 credits**

Art and Culture - Does Art change Culture? Does Culture change Art? Can either exist without the other? What do you think? Art challenges and spurs our thinking, engagement, and our actions. In this course, we will analyze and evaluate how Contemporary/Modern Art challenges Culture to change. Let's dare to examine and reflect on varied viewpoints, including our own. We can't wait to hear what you think? Oh! The Possibilities! Offered as a History or Art Elective. Credits can apply to History or Art.

**043101 Modern Contemporary Art****2.5 credits**

Does Art change Culture? Does Culture change Art? Art challenges and spurs our thinking, engagement, and actions. We all see the world through our own colored glasses. Modern/Contemporary Art challenges our assumptions within the larger cultural/historical context in which the Art was created. Let's dare to examine and reflect on varied viewpoints, including our own. We will examine such Movements as Impressionism, Expressionism, Cubism, Dadaism, Surrealism, Abstract Art, and Pop Art. Monet, Picasso, Duchamp, Dali, Klimt, Jasper Johns, Warhol, Banksy, Jean-Michel Basquiat. Oh! The Possibilities! We can't wait to hear your opinions.

**051990DE Dual Enrollment Art****5 credits**

Students interested in taking a dual enrollment course should request the course and then meet with their guidance counselor to discuss next steps. Requesting a dual enrollment course does not guarantee placement as there are procedures in place that must be completed before enrolling. Upon successful completion of a dual enrollment course, students receive both high school and college credits.

**051690 Introduction to 3D Computer Animation A****2.5 credits**

This course is designed to give students a general overview of computer animation software and its uses within the art community. Whether it is for TV, movies, gaming, or as a piece of fine art, 3D Computer Animation empowers students with the artistic abilities to create original computer graphics. It includes model creation, visual effects, character design, production modeling and more. This course fulfills half of the 5.0 credit Art Requirement. It is recommended that students take part A and part B in the same school year.

**051691 Introduction to 3D computer Animation B****2.5 credits**

This course is a continuation of the work started in Introduction to 3D Computer Animation A. It is recommended that students take part A and part B in the same school year.

**102031 3D Computer Animation A****2.5 credits**

Students will expand upon the knowledge that they obtained during Intro to 3D Computer Animation B. Students will be expected to improve their problem-solving skills, while they continue to explore various methods and techniques to create original artwork on the computer. They will be required to organize all of the elements to create a short film. These films will incorporate production, video and sound editing skills and will demonstrate higher levels of knowledge than the basic Intro to 3D Computer Animation B class. It is recommended that students take part A and part B in the same school year.

**102032 3D Computer Animation B****2.5 credits**

This course is a continuation of the work started in 3D Computer Animation A. It is recommended that students take part A and part B in the same school year.

**102038 Advanced 3D Computer Animation****2.5/5/7.5 credits**

Students may take this class multiple times during the school year. This advanced course is designed for highly motivated students who are interested in the serious study of 3D Computer Animation as an art form. The student will be expected to produce high quality portfolio style work, which will lend itself for continuing education in the field.

**Samples of student work can be seen at: <http://ahsmultimedia.weebly.com/>**

## **MUSIC OFFERINGS**

### **051020 Band**

#### **7.5 credits**

The Band is a performing organization designed to give students musical training through rehearsal and performance. Students are required to practice every day, and private lessons are encouraged. Special rehearsals are held after school and occasionally in the evening. Participation in special rehearsals and all performances (football games, concerts and parades) is required. A band camp is held during the summer to prepare for fall activities. No prior experience is needed to participate in band. Space permitting, students are able to take both Band and Mixed Chorus.

### **051110 Mixed Chorus**

#### **7.5 credits**

Mixed Chorus (SATB) is for students in all grades. This course teaches the skills necessary for the performance of representative choral literature. Students must be able to match pitch. Chorus is a performing organization. Participation in special rehearsals and at all concerts is required. No prior experience is needed to participate. Space permitting, students are able to take both Band and Mixed Chorus.

### **051117 Women's Choir**

#### **2.5 credits**

Women's Choir is a performing organization designed to give students musical training through the rehearsal and performance of good representative choral literature. Students are expected to practice outside of class. Special rehearsals are occasionally held after school and in the evening. Participation at all special rehearsals and performances is required. Students must be able to match pitch.

### **051116 Men's Choir**

#### **2.5 credits**

Men's Choir is a performing organization designed to give students musical training through the rehearsal and performance of good representative choral literature. Students are expected to practice outside of class. Special rehearsals are occasionally held after school and in the evening. Participation at all special rehearsals and performances is required. Students must be able to match pitch.

All students in this class will receive special attention in the areas of vocal production, ear training, and the art of expressive singing. A varied program of songs would make this class enjoyable while laying a strong foundation for advanced vocal experiences. The ultimate goal of this course is to increase student achievement in the area of music education.

### **051190 Music Appreciation**

#### **2.5 credits**

Music Appreciation courses focus specifically on students' appreciation of music. They are designed to help students explore the world of music and to develop an understanding of the importance of music in their lives.

### **051145 Music Theory**

#### **2.5 credits**

This course teaches the techniques of music reading and notation. Topics include scales, melody, rhythm, harmony, ear training, listening, analysis, composition and music history. Keyboard skills will be

emphasized and instruction includes use of synthesizer, computers and MIDI equipment. This course is strongly recommended for those students who plan to continue their education in music at the college level.

### **051146 Advanced Music Theory**

#### **2.5 credits**

This course continues the study of music theory and composition. Students will focus on the arrangement and composition of music. Students will also be expected to analyze music and determine harmonic chord structures. Much of the work will be independent, with a large-scale arranging project for an instrumental ensemble. This course is highly recommended for students planning to pursue the study of music at the college level. Students may extend their progress by taking the course more than once.

### **051176 History of Rock and Roll**

#### **2.5 credits**

This course is an overview of music and musical styles of the twentieth century, with a concentration on studying the roots of popular music, including implications on American society and culture. In addition, students will study the History of Jazz, American Musical Theater and World Music. Assignments will include listening, discussion, projects and class presentations.

### **051100 World Drumming**

#### **2.5 credits**

World Drumming is a hand drumming course that explores rhythmic motives derived from different cultures rich in percussive music. The concept of poly-rhythms and rhythm stacking through African, Latin, Caribbean, and Asian music will all be examined and practiced through the use of music reading as well as by note memorization. Students will perform on various hand drum instruments of varying style and ethnic backgrounds. Rhythmic content will progress from the easy to medium level. Topics will include music reading skills, technique, and general musicality. Students will perform as a group and individually during class time. No musical background is required for this course.

### **051490DE Dual Enrollment Music**

#### **5 credits**

Students interested in taking a dual enrollment course should request the course and then meet with their guidance counselor to discuss next steps. Requesting a dual enrollment course does not guarantee placement as there are procedures in place that must be completed before enrolling. Upon successful completion of a dual enrollment course, students receive both high school and college credits.

## CAREER AND TECHNICAL EDUCATION

Number	Course	Grade	Prerequisites	Trimesters	Credits
C9901001	Technical Exploratory	9		2	5
C4706046	Automotive Technology I	10		2	5
C4706047	Automotive Technology II	11	Auto I	4	10
C4706048	Automotive Technology III	12	Auto II	3	7.5
C4602016	Carpentry I	10		2	5
C4602017	Carpentry II	11	Carpentry I	4	10
C4602018	Carpentry III	12	Carpentry II	3	7.5
C1104010	Computer Inform. Systems I	10		2	5
C1104011	Computer Inform. Systems II	11	Comp. Info. Sys. I	3	7.5
C1104012	Computer Inform. Systems III	12	Comp. Info. Sys. II	3	7.5
C4301070	Criminal Justice I	10		3	7.5
C4301071	Criminal Justice II	11	Criminal Justice I	3	7.5
C4301072	Criminal Justice III	12	Criminal Justice II	3	7.5
C1205006	Culinary Arts I	10		3	7.5
C1205007	Culinary Arts II	11	Culinary Arts I	5	12.5
C1205008	Culinary Arts III	12	Culinary Arts II	6	15
C1312106	Early Education & Care I	10		2	5
C1312107	Early Education & Care II	11	Early Education I	4	10
C1312108	Early Education & Care III	12	Early Education II	3	7.5
C4603026	Electrical Technology I	10		3	7.5
C4603027	Electrical Technology II	11	Electrical I	3	7.5
C4603028	Electrical Technology III	12	Electrical II	3	7.5
C1500006	Engineering I	10		2	5
C1500007	Engineering II	11	Engineering I	3	7.5
C1500008	Engineering III	12	Engineering II	4	10
C1003016	Graphic Design & Communications I	10		2	5
C1003017	Graphic Design & Communications II	11	Graph Des & Com. I	3	7.5
C1003018	Graphic Design & Communications III	12	Graph Des & Com. II	4	10
C5108016	Medical Assisting I	10		3	7.5
C5108017	Medical Assisting II	11	Med. Assisting I	3	7.5
C5108018	Medical Assisting III	12	Med. Assisting II	3	7.5
C4605030	Plumbing Technology I	10		3	7.5
C4605031	Plumbing Technology II	11	Plumbing Tech. I	3	7.5
C4605032	Plumbing Technology III	12	Plumbing Tech. II	3	7.5

C2100906	Robotics I	10		3	7.5
C4805996	Welding. & Joining Tech I	10		3	7.5
C4805997	Welding & Joining Tech II	11	Welding I	3	7.5
C4805998	Welding & Joining Tech III	12	Welding II	3	7.5
C1102016	Web Page Design	9-12		1	2.5
132089	Metal Art Sculptural Welding and Fabrication	9-12		1	2.5

## CAREER & TECHNICAL EDUCATION OFFERINGS

### Exploratory C9901001

#### 5 credits

This course provides an opportunity for all freshman students to explore the various Career and Technical Education Programs. Students will spend approximately six days in all CTE programs, being introduced to the three-year program of study. The Exploratory experience allows students to participate in hands-on activities representative of each technical area. In addition, students will investigate post-secondary and career opportunities in each career area. The activities are designed to serve a variety of interests. Completion of Technical Exploratory is not a prerequisite for acceptance into a Career and Technical Education program of study, although many participants do decide to enroll as a result of their experience. The CTE programs are:

**Automotive Technology, Carpentry, Computer Information Systems, Criminal Justice, Culinary Arts, Early Education and Care, Electrical Technology, Engineering, Graphic Design & Communication, Medical Assisting, Plumbing Technology, Robotics, and Welding & Joining Technology.**

## CTE PROGRAMS

### C4706046 Automotive Technology I

#### 5 credits

Students learn the basics of safety, tool and fastener identification and use; use of laboratory equipment such as lifts, jacks, tire changing and balancing equipment. Also covered is basic service work, such as oil change, lubrication, and under-hood checks. In addition, the students are given instruction in diagnosis and repair of braking problems, and use of related shop equipment. Students of Automotive Technology apply communication and entrepreneurial skills through direct interaction with service customers. **Students of the Automotive Technology program are required to purchase, wear, and maintain career appropriate coveralls, protective footwear, and safety glasses for the laboratory experiences. Financial assistance is available to those who qualify.**

### C4706047 Automotive Technology II

#### 10 credits

In their second year, students who have successfully completed Level I, will continue to receive instruction in brakes, suspension and steering. They will receive instruction in automotive electricity and engine performance. In addition, they will occasionally be required to perform some assignments involving basic service work to maintain their familiarity with these operations. OSHA certification will also be attained. The completion of reflection writings on all projects will be required. **Students of the**

**Automotive Technology program are required to purchase, wear, and maintain career appropriate coveralls, protective footwear, and safety glasses for the laboratory experiences. Financial assistance is available to those who qualify.**

### **C4706048 Automotive Technology III**

#### **7.5 credits**

Students who have successfully completed Level II, will continue to receive instruction in automotive electricity and engine performance: identification and function of parts and systems, part removal and replacement, diagnosis and repair of electrical problems, and use of related laboratory equipment. All students will complete their Portfolio and presentation requirements in order to receive their CTE certificate. **Students of the Automotive Technology program are required to purchase, wear, and maintain career appropriate coveralls, protective footwear, and safety glasses for the laboratory experiences. Financial assistance is available to those who qualify.**

### **C4602016 Carpentry I**

#### **5 credits**

In Level I, students will learn the safe use of hand tools and power tools used in residential construction. Elements of house framing construction techniques are covered as well as siding, roofing and insulation applications. There is an emphasis on technical terms within the industry protocol. Students will also learn how to lay-out and cut a variety of woodworking joints and how to efficiently assemble a woodworking project. Writings will include project reflections and project design plans. **Students are required to purchase protective footwear and wear safety glasses for the laboratory experiences. Financial Assistance is available to those who qualify.**

### **C4602017 Carpentry II**

#### **10 credits**

For students who have successfully completed Level I, Level II is a continuation of residential construction techniques, but in greater detail. Sequential order of construction, job estimating and inventory control will be covered. Interior house systems are covered in conjunction with insulation, wallboard, interior trim, doors, windows and house module construction. Students will gain proficiency with hand tools and woodworking machinery while building various projects. OSHA certification will also be attained. Reflection writings on all projects will be required. **Students are required to purchase protective footwear and wear safety glasses for the laboratory experiences. Financial Assistance is available to those who qualify.**

### **C4602018 Carpentry III**

#### **7.5 credits**

For students who have successfully completed Level II, Level III of Carpentry is the Portfolio year. Options in construction-related fields and further education related to Carpentry will be discussed, as well as procedures for licensure. Techniques learned in previous years will be used in conjunction with live work on school system projects. All students will complete their Portfolio and presentation requirements in order to receive their CTE certificate in Carpentry. **Students are required to purchase protective footwear and wear safety glasses for the laboratory experiences. Financial Assistance is available to those who qualify.**

### **C1104010 Computer Information Systems I**

#### **5 credits**

This course introduces students to a variety of computer concepts including digital basics, hardware, software, operating systems, Local Area Networks and the internet, email, digital media, and programming. Students will research the history of the computer industry, careers, and ethical issues. Emphasis will be on hands-on activities in the lab and over the Internet.

### **C1104011 Computer Information Systems II**

#### **7.5 credits**

This course will build on skills learned acquired in CIS Level I. Topics covered are principles of operating systems, applications, basic networking, and industry and safety standards. Additionally, students will be introduced to computer repair. They will develop the ability to configure and troubleshoot basic PCs and learn to use hardware diagnostic tools like multimeters, power supply testers, rescue disks, BIOS Postcards, and other equipment commonly used in the computer repair trade. Emphasis will be on hands-on activities for developing ability to configure, build and troubleshoot basic PC's. This course is designed to help students pass the CompTIA Information Technology Fundamentals and CompTIA A+ Certification exam and compete in Skills-USA Computer Maintenance or Technical Computer Applications competition.

### **C1104012 Computer Information Systems III**

#### **7.5 credits**

The main focus of this course is networking fundamentals. Topics include: network cabling, component installation, configuring wired and wireless switches and routers, performing network maintenance, monitoring network performance, network troubleshooting, securing networks, project management and technical writing skills. This course is the culmination of a program designed to prepare students for a career as an entry level computer network technician, network support specialist or to allow students to pursue studies in specific networking fields. Students will receive theoretical instruction while applying the skills to real world application by working with the school's technology staff on troubleshooting calls and service of equipment on the school's network. Students will learn project management skills as they independently work on a senior project of their choice related to topics studied within the program.

### **C4301070 Criminal Justice I**

#### **7.5 credits**

Students will be introduced to the basics of the Criminal Justice System. Career pathways in Law, Public Safety Security and Corrections will be introduced along with Constitutional Law and the Bill of Rights. General aspects of Criminal Justice and the system and process of American Justice will be introduced. This will also include an introduction to criminal investigation and evidence. The administration of Justice Curriculum along with other supplemental materials will be utilized for the 3-year program as well as guest speakers.

### **C4301071 Criminal Justice II**

#### **7.5 credits**

Having successfully completed Criminal Justice I, students will study in more depth the Court System, both state and federal. Courtroom demeanor, testimony and trial process will be taught as well as Civil law and tort liability. Students will gain a general understanding of professionalism and ethics. Students will gain a general understanding of the type of crimes, traffic laws and motor vehicle stops as well as defensive tactics. Crime scene investigation and evidence collection will be discussed in more depth by

actively participating in mock crime scene analysis activities which will include fingerprinting and other forensics activities. Students will also learn about search and rescue.

### **C4301072 Criminal Justice III**

#### **7.5 credits**

Having successfully completing Criminal Justice II, students will continue in depth study and instruction that will include application in the areas of Criminal Justice and all the Legal and Protective Services. Students will learn tactical communication skills and report writing skills. They will learn employment skills for Criminal Justice careers as well as understand and be prepared to take a civil service test. They will participate in co-ops, internships, and externships as available. Students will also become First Aid/CPR/AED certified.

### **C1205006 Culinary Arts I**

#### **7.5 credits**

Students in Level I will be introduced to baking and food preparation skill development. Emphasis is on health, safety and sanitation regulations and practices. Students will apply the fundamentals of food service with the proper use of tools, equipment, terminology, measurement, ingredients, and recipe analysis. Students will describe the various cooking and mixing methods as they apply to various foods and baked products. In addition, students will research the hospitality career cluster and related culinary arts careers. Writing assignments will include project reflections for the student's portfolio. **Students of the Culinary Arts program are required to purchase, wear and maintain a chef's uniform, as well as protective footwear. Level II and III students must also purchase, wear and maintain a dining room service uniform. Financial Assistance is available to those who qualify.**

### **C1205007 Culinary Arts II**

#### **12.5 credits**

Level II students will develop technical skills in the preparation of soups, sauces, salads, and sandwiches in a live food service setting. Students will prepare various types of meat, poultry, seafood, vegetables and grains. Students will experience the various styles of table and customer services. Operating the "Apprentice Café" and performing catering services, students will develop and employ foodservice math skills as well as customer service skills. Employability and communication skills will be enhanced through career cluster and pathway research. Students will be required to complete the OSHA Certification Program. **Students of the Culinary Arts program are required to purchase, wear and maintain a chef's uniform, as well as protective footwear. Level II and III students must also purchase, wear and maintain a dining room service uniform. Financial Assistance is available to those who qualify.**

### **C1205008 Culinary Arts III**

#### **15 credits**

Level III students will be exposed to intermediate and advanced bakery instruction with a concentration in the understanding and production of various French pastries, tarts, tortes, and pies. Students will also be instructed in basic cake decorating and individually plated desserts. Level III students will apply accounting and managerial learning of the food service industry while operating the department's restaurant and storeroom. Students will complete their portfolios for presentation before a panel of administrators and foodservice professionals in order to receive their CTE certificate in Culinary. Students will also prepare for the National Restaurant Association's ServSafe Certification Exam. **Students of the Culinary Arts program are required to purchase, wear and maintain a chef's uniform, as well as protective footwear. Level II and III students must also purchase, wear and maintain a dining room service uniform. Financial Assistance is available to those who qualify.**

### **C1312106 Early Education and Care I**

#### **5 credits**

Students will be introduced to the study of child development. Students will study the physical, intellectual, social, and emotional development of young children from birth to age 9. Through observations, the students will develop an understanding of the skills needed to educate and care for young children. Students will observe and participate in the laboratory childcare center and in the on-site infant/toddler child care program while working on the creation of a portfolio.

### **C1312107 Early Education and Care II**

#### **10 credits**

During the second year, students will continue their study of child development, focusing on how children learn, and how to provide developmentally appropriate experiences for them. Students will understand the teacher's role in maintaining a healthy, safe, and stimulating environment, while guiding children's behavior as demonstrated by the lesson plans they will prepare and implement which will become part of their portfolio.

### **C1312108 Early Education and Care III**

#### **7.5 credits**

Students will study all aspects of managing/owning and operating a childcare center. They will develop an understanding of employability skills, such as completing job applications, developing resumes, and strong work ethics. They will develop and implement curriculum for the laboratory childcare center and in the on-site infant/toddler child care programs, as well as participate in internships/coops at various sites in the community. Students will acquire the American Red Cross First Aid, CPR/AED certification for infant/child. Students will also complete and present their portfolio.

### **C4603026 Electrical Technology I**

#### **7.5 credits**

Students will study safety, electrical symbols and print reading. Students are taught techniques for mounting boxes, drilling holes in framing, stripping cables and conductors, making splices, and wiring electrical devices. Students will practice the basic skills that are necessary to work in the electrical industry. **Students of the Electrical Technology program are required to purchase and wear construction footwear and safety glasses for all work experiences.**

### **C4603027 Electrical Technology II**

#### **7.5 credits**

Students are taught electrical theory, including Ohms Law, solving series/parallel circuits and voltage drop on conductors. Students will also determine the cost of running electrical appliances and complete an OSHA 10 safety training certification. Students will learn techniques for bending metallic and nonmetallic raceways. Additionally, installations of electrical services, including circuit breaker panels are covered and "old work" installations of electrical wiring in existing homes. **Students of the Electrical Technology program are required to purchase and wear construction footwear and safety glasses for all work experiences.**

### **C4603028 Electrical Technology III**

#### **7.5 credits**

Students will review electrical safety and learn how to read ladder diagrams and wire industrial control devices. Students will work with relays, contactors and magnetic motor starters. They will also be introduced to electrical motors, DC generators, and power & control transformers. There is an increased

focus on employability skills and what it takes to become a successful entrepreneur. All students must complete their Portfolio and presentation requirements in order to receive their CTE certificate in Electrical Technology. **Students of the Electrical Technology program are required to purchase and wear construction footwear and safety glasses for all work experiences.**

### **C1500006 Engineering I**

#### **5 credits**

This course is an opportunity to introduce Engineering as creative problem-solving. The major focus is to expose students to the engineering design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and drawing and documenting. Students will use 3D solid modeling design software to help them design solutions to solve proposed problems.

### **C1500007 Engineering II**

#### **7.5 credits**

Students will further develop design, innovation, and technical problem solving skills. Students will employ engineering and scientific concepts in the solution of engineering design problems in various engineering fields such as Structural, Mechanical, Electrical, and Pneumatic systems. They will apply their knowledge of research and design to create solutions to various challenges, document their work in engineering notebooks and technical drawings, and communicate their solutions to peers and members of the school community. In this course, students will experience Engineering as a technical and creative career where you work individually and with others to solve problems and design things that are beneficial.

### **C1500008 Engineering III**

#### **10 credits**

Students will design a solution to various technical problems throughout the course. This is an Engineering research course in which students will work individually and in teams to research, design, test, and construct a solution to various engineering problems. The product development lifecycle and design process will be used to guide and help the individual/team to reach a solution to each problem. This course allows students to apply all the skills and knowledge learned in previous Engineering courses. The use of 2D and 3D design software will help students design solutions to their problems. This course also engages students in time management and teamwork skills, a valuable asset to students in the future. At the end of the course, each student will present a variety of their projects and solutions to a panel of school administrators and industry reviewers, which is part of their senior career portfolio.

### **C1003016 Graphic Design & Communication I**

#### **5 credits**

Students will explore the basic concepts of graphic design, as well as the fundamental concepts of graphic communications. The basics of color theory, principles of design and visual themes will be explored through the use of Adobe Photoshop and Illustrator in the Apple Computer lab. Preparation for production of designs through offset press, digital printing and silkscreen will be introduced. Students will learn technical terms and applied math as related to design and print projects.

### **C1003017 Graphic Design & Communication II**

#### **7.5 credits**

Level II students will expand upon their skills in software and design concepts. Projects become more focused and include work projects for the school. Concepts of story and advertising illustration are

explored, and technical knowledge of vector graphics are introduced in Illustrator. Students will learn digital file preparation and output for production of design projects. Adobe InDesign becomes the platform for combining text and imagery and preparing work for print. OSHA safety certification will be attained at this level.

### **C1003018 Graphic Design & Communications III**

#### **10 credits**

Students will use their final year to continue to expand upon their knowledge of software, design concepts and producing print materials. Communication skills are developed through critiquing and feedback from clients. Students have the opportunity to meet with clients in order to design and pre-flight live projects under the guidelines set by the customer. Web design, animation, basic video shoots, creating storyboards and editing multi-page documents conclude the year. Completion of the student portfolio will take place.

### **C5108016 Medical Assisting I**

#### **7.5 credits**

This course offers the first phase in training for medical assisting. In this course, students will identify and demonstrate health and safety practices, regulations, and the control of microorganisms in the medical environment. Students will sanitize, disinfect and sterilize medical instruments and demonstrate sterile technique used in the physician's office during minor office surgery.

### **C5108017 Medical Assisting II**

#### **7.5 credits**

In this course, students will identify and demonstrate the preparation and assisting procedures for minor office surgery. Students will calculate the conversion of household measurement to basic metric measures, demonstrate procedures of administering a cardiac electrocardiogram, conduct an initial physical assessment and become certified in adult CPR/AED/First Aid. Additionally, students will identify emergency and triage protocols as well as identify and demonstrate the use of medical terminology.

### **C5108018 Medical Assisting III**

#### **7.5 credits**

This course experience provides students with basic laboratory procedures that are performed in a medical office and in various medical settings. Level three gives the student the opportunity to demonstrate a wide variety of office skills which are a necessary foundation for most any business application. Additionally, students will have a valuable externship (field experience) to add to their graduation portfolio.

### **C4605030 Plumbing Technology I**

#### **7.5 credits**

Students will be introduced to the basics of plumbing including safe workplace practices, plumbing tools, materials, equipment, and procedures. Research includes career opportunities in the plumbing field. Laboratory experiences will include basic measurement and various pipe fittings and assembly. Instruction and practice aligns with the National Plumbing Code. **All students of the Plumbing Technology program are required to wear "career appropriate" attire, protective footwear and safety glasses for all laboratory experiences.**

### **C4605031 Plumbing Technology II**

#### **7.5 credits**

Students will study the drainage system, waste disposal, water distribution systems and be introduced to blueprint reading. Students will become familiar with the plumbing code. By the end of Plumbing Technology II students will understand the history of gas and gas fitting and be familiar with terms such as specific gravity, BTU, and combustion. **All students of the Plumbing Technology program are required to wear “career appropriate” attire, protective footwear and safety glasses for all laboratory experiences.**

### **C4605032 Plumbing Technology III**

#### **7.5 credits**

Students will continue an in-depth study of drains, vents, water supply, fixture installation and the gas code. Students will pipe in a gas main using steel pipe, malleable fittings and the latest in threading technology. Students completing Plumbing Level I, II, and III will receive both practical work experience clock hours and educational plumbing and gas fitting theory clock hours towards their Journeyman’s License. **All students of the Plumbing Technology program are required to wear “career appropriate” attire, protective footwear and safety glasses for all laboratory experiences.**

### **C2100906 Robotics I**

#### **7.5 credits**

Robotics courses develop and expand students’ skills and knowledge so that they can design and develop robotic devices. Topics covered in the course may include mechanics, electrical and motor controls, pneumatics, computer basics, and programmable logic controllers. This course description comes from: Bradby, D., Pedroso, R., and Rogers, A. (2007). Secondary School Course Classification System: School Codes for the Exchange of Data (SCED) (NCES 2007-341). U.S. Department of Education. Washington, DC: National Center for Education Statistics.

### **C4805996 Welding and Joining Technology I**

#### **7.5 credits**

Metal Fabrication & Joining Technology introduces students to a curriculum that involves working to obtain proficiency in various metal fabrication and welding processes. Students learn through project based experiences. Technical instruction in the classroom covers concepts which apply mathematics, blueprint reading, and various welding symbols. Practical instruction covers machining processes in metal cutting, forming, bending, assembling and fabrication of a variety of elements. Instruction in oxy-acetylene welding and cutting, GMAW, SMAW, and GTAW welding processes are introduced at this level as outlined in the state frameworks, utilizing the American Welding Society’s curriculum guide. **Students in the Metal Fabrication & Joining Technology program are required to wear “career appropriate” attire and protective footwear. In addition, students are required to wear protective welding jackets, gloves, welding helmets, and safety glasses at all times.**

### **C4805997 Welding and Joining Technology II**

#### **7.5 credits**

Students will continue their progressive development of skills and knowledge of metal work machinery and welding processes. The required practical experiences are aligned with the state frameworks and American Welding society standards. Students will learn specifics and more advanced methods for welding as a trade. Assessment of skills, and documenting progress and achievement are important components to this course. **Students in the Metal Fabrication & Joining Technology program are**

**required to wear “career appropriate” attire and protective footwear. In addition, students are required to wear protective welding jackets, gloves, welding helmets, and safety glasses at all times.**

### **C4805998 Welding and Joining Technology III**

#### **7.5 credits**

Students will complete a portfolio that is designed to highlight both written and photographed accomplishments, activities, and projects. Students will complete the competencies of the CVTE framework using the American Welding Society’s curriculum as an approved sequence guide according to the state frameworks. All students must complete their Portfolio requirements, and achieve proficiency in designated competencies in order to receive their CTE Certificate of Occupational Proficiency in Welding & Joining Technology. **Students in the Metal Fabrication & Joining Technology program are required to wear “career appropriate” attire and protective footwear. In addition, students are required to wear protective welding jackets, gloves, welding helmets, and safety glasses at all times.**

### **CTE ELECTIVE OFFERINGS**

### **C1102016 Web Page Design**

#### **2.5 credits**

This course introduces students to a variety of web development concepts: Introduction to HTML, CSS, Web graphics and Web servers. Students will also learn how to create, publish and maintain a web site. Emphasis will be on hands-on activities in the lab and over the Internet. The curriculum is aligned with Massachusetts VTE Curriculum Frameworks in Information Support Services and Networking.

### **132089 Metal Art Sculptural Welding and Fabrication**

#### **2.5 credits**

Sculptural Welding and Fabrication introduces students to metal work and joining in an artistic and conceptual setting. Students learn through project-based experiences with concepts based on the state frameworks for Metal Fabrication and Joining Technologies. While being supplied with project criteria, students will be encouraged to problem solve creatively and at the same time obtain proficiency in various metal fabrication and welding processes. Practical instruction covers machining processes in metal cutting, forming, bending, assembling and fabrication of a variety of elements. Instruction in oxy-acetylene welding and cutting, M.I.G. and ARC welding processes are introduced in this course. **Students in the Metal Fabrication & Joining Technology program are required to wear “career appropriate” attire and protective footwear. In addition, students are required to wear protective welding jackets, gloves, welding helmets, and safety glasses at all times.**

## ENGLISH DEPARTMENT

<b>English offerings</b>					
<b>All students are required to take English every year.</b>					
Number	Course	Grade(s)	Prerequisites	Trimesters	Credits
010011	English I	9		3	7.5
010013	English I Honors	9		2	5
010016	Humanities: English I	9		3	7.5
010015	Humanities: English I Honors	9		2	5
010021	English II	10	English I	3	7.5
010023	English II Honors	10	English I	2	5
010020	Humanities II: English II	10	English I	2	5
010030	English III	11	English II	1	2.5
010033	English III Honors	11	English II	1	2.5
010050	AP Language & Composition	11	English II	3	7.5
010040	English IV	12	English III	1	2.5
010043	English IV Honors	12	English III	1	2.5
010060	AP Literature & Composition	12	English III	3	7.5
<b>English Electives</b>					
010535	Crime Fiction/Detective Stories	11-12	English II	1	2.5
010536	Literature and Film Studies	11-12	English II	1	2.5
010605	Shakespeare	11-12	English II	1	2.5
010615	Dystopian Visions	11-12	English II	1	2.5
010616	Gothic Literature	11-12	English II	1	2.5
010625	Contemporary Literature	11-12	English II	1	2.5
010555	African American Experience	11-12	English II	1	2.5
010657	Hip Hop Literacy	11-12	English II	1	2.5
011025	Media Bias	11-12	English II	1	2.5
019990	Mythbusting	11-12		1	2.5
010617	Sports & Society	11-12	English II	1	2.5
010618	Introduction to the Graphic Novel	11-12	English II	1	2.5
012037	English--SAT Prep Grade 10/11	10-11		1	2.5
012038	English--SAT Prep Grade 12	12	English III	1	2.5
012015	Linguistics	9-12		1	2.5
051671	Introduction to Digital Photography and Storytelling	11-12		1	2.5
111010	AHS Student News	10-12	English I	2	5

011046	Creative Writing	11-12	English II	1	2.5
011047	Advanced Creative Writing	11-12	Cr. Writing	1	2.5
229970	The 2030 Project	11-12		3	7.5
019990DE	Dual Enrollment English	9-12		2	5

## ENGLISH OFFERINGS

### **010011 English I**

#### **7.5 credits**

This English/Language Arts I (9th grade) course builds upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and includes the four aspects of language use: reading, writing, speaking, and listening. Typically, this course introduces and defines various genres of literature, with writing exercises often linked to reading selections. English I (C) is a full-year 180 day course.

### **010016 Humanities: English I**

#### **7.5 credits**

Humanities integrates History and English curriculum to foster student engagement and application of skills between subjects. This course can be taken in place of World History II (A), World History II (B) and English I. Although Humanities shares an identical curriculum with distinct English and history options, the skills and content are aligned and taught in conjunction with one another. This course, **which includes the Freshman Skills course**, provides a yearlong forum to develop core reading, writing, and thinking strategies in the context of both history and literature.

### **220059 Freshman Skills**

#### **2.5 credits**

This course complements the content learned in Humanities with study skills aimed at helping ninth grade students in their adjustment to high school. Students will develop skills such as organization, study strategies, and time management. A particular focus will be placed on critical reading of expository and narrative documents and analytical writing strategies.

### **010013 English I Honors**

#### **5 credits**

This course is intended as a Pre-AP class for freshmen who are highly motivated and show an aptitude for skill acquisition in reading, writing, language, speaking, and listening. Students will cover the same curriculum as English I (C) but at a quicker pace and in more depth. English I (H) is a two trimester 120-day course.

### **010015 Humanities: English I Honors**

#### **5 credits**

This course is intended as a pre-AP class for freshmen who are highly motivated and show an aptitude for skill acquisition in reading, writing, language and historical analysis. Humanities integrates History and English curricula to foster student engagement and application of skills between subjects. This course can be taken in place of World History II (A), World History II (B), English I Honors (A) and English I Honors (B). Students will cover the same curriculum as Humanities (C) but at a quicker pace and in more depth.

**010021 English II****7.5 credits**

This English/Language Arts II (10th grade) course offers a balanced focus on composition and literature. Typically, students learn about the alternate aims and audiences of written compositions by writing persuasive, critical, and creative multi-paragraph essays and compositions. Through the study of various genres of literature, students can improve their reading rate and comprehension and develop the skills to determine the author's intent and theme and to recognize the techniques used by the author to deliver his or her message. English II (C) is a full-year 180-day course.

**010021 English II Honors****5 credits**

This course is designed as a Pre-AP class for sophomores who are highly motivated and exhibit an aptitude for skill acquisition in critical reading, thinking, and writing skills. Students will cover the same curriculum as English II (C) but at a quicker pace and in more depth. English II (H) is a two trimester 120-day course.

**010020 Humanities II: English II****5 credits**

Humanities II integrates History and English curriculum to foster student engagement and application of skills between subjects. This course can be taken in place of US History (A), US History (B) and English II. Although Humanities shares an identical curriculum with distinct English and history options, the skills and content are aligned and taught in conjunction with one another.

**010030 English III****2.5 credits**

This English/Language Arts III (11th grade) course continues to develop students' writing skills, emphasizing clear, logical writing patterns, word choice, and usage, as students write essays and begin to learn the techniques of writing research papers. Students continue to read works of literature, which often form the backbone of their writing assignments. Literary conventions and stylistic devices may receive greater emphasis than in previous courses. English III (C) is a single trimester 60-day course.

**010033 English III Honors****2.5 credits**

This course is designed as an advanced course for juniors who are highly motivated and exhibit an aptitude for skill acquisition in critical reading, thinking, and writing skills. Students will cover the same curriculum as English III (C) but at a quicker pace and in more depth. English III (H) is a single trimester 60-day course.

**010040 English IV****2.5 credits**

This English/Language Arts IV (12th grade) course blends composition and literature into a cohesive whole as students write critical and comparative analyses of selected literature, continuing to develop their language arts skills. Typically, students primarily write multi-paragraph essays, but they may also write one or more major research papers. English IV (C) is a single trimester 60-day course.

**010043 English IV Honors****2.5 credits**

This course is designed as an advanced course for seniors who are highly motivated and exhibit an aptitude for skill acquisition in critical reading, thinking, and writing skills. Students will cover the same curriculum as English IV (C) but at a quicker pace and in more depth. English IV (H) is a single trimester 60-day course.

**010050 AP Language & Composition****7.5 credits**

Following the College Board's suggested curriculum designed to parallel college-level English courses, AP English Language and Composition courses expose students to prose written in a variety of periods, disciplines, and rhetorical contexts. These courses emphasize the interaction of authorial purpose, intended audience, and the subject at hand, and through them, students learn to develop stylistic flexibility as they write compositions covering a variety of subjects that are intended for various purposes. *All participants in this course are required to take the AP exam and pay a subsidized portion of the fee associated with this exam.*

**010060 AP Literature & Composition****7.5 credits**

Following the College Board's suggested curriculum designed to parallel college-level English courses, AP English Literature and Composition courses enable students to develop critical standards for evaluating literature. Students study the language, character, action, and theme in works of recognized literary merit; enrich their understanding of connotation, metaphor, irony, syntax, and tone; and write compositions of their own (including literary analysis, exposition, argument, narrative, and creative writing). *All participants in this course are required to take the AP exam and pay a subsidized portion of the fee associated with this exam*

**ENGLISH ELECTIVES****010555 African American Experience****2.5 credits**

This integrated course combines the history, literature, and culture of African-Americans. Through documents, literature, music, and film, students will study the failure of Reconstruction through the Civil Rights movement of the 50s and 60s. The course will also address current issues in the African-American community. This course can also be taken for Social Studies credit. See the Social Studies listings.

**010625 Contemporary Literature****2.5 credits**

This course examines various genres of literature such as young adult literature, mystery/detective, horror, romance, and science fiction/fantasy. Within small group settings, students will choose, read, discuss, analyze, and evaluate novels. Students will read and write critically, produce creative projects, and conduct at least one oral presentation. Contemporary Literature counts toward the English graduation requirement.

**010615 Dystopian Visions****2.5 credits**

This class is designed to actively engage students in thinking about their present and future society. The curriculum is based on a social constructivist approach that incorporates project-based learning and technological research skills. There will be three units of study, each featuring a different genre—novel, short story, film—with internet based research and nonfiction articles in each unit. The overarching goals are to guide students into thinking critically about how their society works and what their place is within that society. This course counts toward the English graduation requirement.

**010616 Gothic Literature****2.5 credits**

Gothic Literature will examine the Gothic tradition and give students the opportunities to explore how a work of literature reflects the fears and values of a culture. This course will examine “great” works of Gothic Literature and provide a historical overview of the genre. This course counts toward the English graduation requirement.

**010657 Hip Hop Literacy****2.5 credits**

This course is designed to explore various elements of literary analysis, criticism, and interpretation through the lens of hip hop culture, specifically through the use of hip hop texts as primary sources. Students will critically engage with not only the literary elements within these texts, but also the various contexts and themes they illuminate. In doing so, students will be able to read and write in a manner that allows them to challenge the stereotypes associated with hip hop music and culture, and relocate the values and experiences of the hip hop community from the periphery to the center of dominant hegemonic conceptions of reality. The course will be divided up into various topical units such as Hope, Politics, Love, Family, and Pain.

**010535 Crime Fiction and Detective Stories**

**2.5 credits** This elective will introduce students to the history of the mystery genre. The course will explore the development of mysteries and detective stories by studying fictional and true crime events. This course counts toward the English graduation requirement.

**010536 Literature and Film Studies****2.5 credits**

This course will investigate the relationship between two modes of storytelling: literature and film. The class will examine literature and the direct tie it has to media of the same title. This is an exciting course meant to open up the world of literature to the film buff and help students to truly understand the connection between a great story and a great film. This course counts toward the English graduation requirement.

**011025 Media Bias****2.5 credits**

Students will investigate the approach and bias of advertisers, journalists, and documentary filmmakers, analyzing the techniques used to influence audiences. This course counts toward the English graduation requirement.

**019990 Mythbusting****2.5 credits**

Mythbusting is a co-taught, interdisciplinary elective course that will help students gain the English Language Arts and science skills necessary to distinguish accurate information from common misconceptions. Many teenagers get their information online, a medium that can be easily manipulated, making it difficult to establish what is factually accurate and what is opinion. Students will explore how information is controlled, manipulated, and presented online (facts, stories, and social media) and how that information shapes how they see themselves and interpret the world around them, with a particular scientific emphasis on social-emotional and physical well being. Students will express their own understanding and conclusions about the topics through discussion, writing, and creative projects.

**010605 Shakespeare****2.5 credits**

This course is for students interested in Shakespeare and his theater as well as performance. Students will study sonnets and a variety of his plays, both comedy and tragedy. Students will read and write critically and conduct at least one oral presentation. Shakespeare counts toward the English graduation requirement.

**010617 Sports & Society****2.5 credits**

Students will read a wide variety of texts, both fiction and nonfiction, about a wide variety of sports, focusing particularly on the sport in season at the time of the course (i.e. football in the fall, baseball in the spring). The course will focus on the region's local sports teams as well as important national and historic issues relating to athletics. Students will write in multitude modes of discourse ranging from game reports to athlete biographies to persuasive essays on controversial sports topics. Additionally, students will conduct research and make oral presentations on student-selected content. This course counts toward the English graduation requirement. **Note:** Only students who are able to watch and comment on sporting events should enroll in this class.

**010618 Introduction to the Graphic Novel****2.5 credits**

This course is designed to introduce and explore the rich and unique literary genre of the Graphic Novel. Students will examine a variety of graphic novel sub-genres such as the superhero narrative as allegory, memoir, and creative non-fiction. Along with the primary graphic novel texts, supplemental readings including criticism, essays, and short fiction will be used to help understand the genre. Students will read and write critically, lead class discussions, and produce at least one oral presentation and creative product. This course counts toward the English graduation requirement.

**012037 SAT Prep (Verbal) Grade 10/11****2.5 credits**

This course provides college-bound students with rigorous practice in analytical thinking and the skills and strategies associated with taking an SAT reasoning test. Topics covered include active reading strategies involving paraphrasing and annotating, topic development, writing conciseness, editing, word root identification, and vocabulary development. Time management skills and scoring procedures are also reviewed. Course materials include official SAT preparation books, previous SAT examinations, and online materials. This is an elective course and does not count toward the graduation requirement.

**012038 SAT Prep (Verbal) Grade 12****2.5 credits**

This course provides college-bound students with rigorous practice in analytical thinking and the skills and strategies associated with taking an SAT reasoning test. Topics covered include active reading strategies involving paraphrasing and annotating, topic development, writing conciseness, editing, word root identification, and vocabulary development. Time management skills and scoring procedures are also reviewed. Course materials include official SAT preparation books, previous SAT examinations, and online materials. This is an elective course and does not count toward the graduation requirement.

**012015 Linguistics****2.5 credits**

This course uses an analytic approach in which explicit attention will be paid to Standard Written English as a product of the functional components of language rather than its application in the creation of literature. This course focuses on English morphology (words forms, origins, etymology) and the English sentence (structure, syntax, patterns). Determining the meaning of unknown words and how words function within a sentence will be the cornerstones of the class. This course is an elective and does not count toward the English graduation requirement.

**051671 Introduction to Digital Photography and Storytelling****2.5 credits**

Digital media has changed the way that we tell and process stories. In this elective, students will learn the fundamentals of digital photography while exploring the ability of photographs to communicate a story. This introductory course will help students observe and practice basic photography techniques through a hands-on approach in order to develop original and creative works of art. In addition to creating their own works of art, students will analyze and critique photographs in writing and discussion.

**111010 AHS Student News****5 credits**

The purpose of this course is to create a student produced video news segment for the high school. Students would learn about journalism and apply those skills to research school, local, state, and national events. Students would produce semi regular video news segments that would be disseminated with the school and the community.

**011046 Creative Writing****2.5 credits**

Creative Writing courses offer students the opportunity to develop and improve their technique and individual style in poetry, short story, drama, essays, and other forms of prose. The emphasis of the courses is on writing; however, students may study exemplary representations and authors to obtain a fuller appreciation of the form and craft. Although most creative writing classes cover several expressive forms, others concentrate exclusively on one particular form (such as poetry or playwriting).

**011047 Advanced Creative Writing****2.5 credits**

Advanced Creative Writing is for students who have taken Creative Writing and want to take their writing to the next level. Advanced CW will be run as a writing workshop, and the student will be expected to produce poems, short stories and non-fiction and submit these pieces for publication.

Students interested in taking Advanced Creative Writing should come to class with ideas in mind and be ready to share their writing with their peers in a workshop setting.

**229970 The 2030 Project**

**7.5 credits**

This course will teach students how to become agents of change in the world around them by working to help attain the UN's 2030 Global Development Goals and is taught in an interdisciplinary fashion. Students will examine historical examples of change that cut across subject matters and disciplines and then will have to complete a civic action project that will require them to attempt to create real change on a local, statewide, or global scale. In the spring, students will publicly present their projects and conclusions to a panel of students, teachers, administrators, and community members at a community showcase event. The course will focus on developing essential college and career skills like researching and evaluating information, critical thinking, communication, innovation and problem solving. This course will provide English, Social Studies, Math, and/or Science credits.

**019990DE Dual Enrollment English**

**5 credits**

Students interested in taking a dual enrollment course should request the course and then meet with their guidance counselor to discuss next steps. Requesting a dual enrollment course does not guarantee placement as there are procedures in place that must be completed before enrolling. Upon successful completion of a dual enrollment course, students receive both high school and college credits.

## ENGLISH LANGUAGE EDUCATION

Number	Course	Grade(s)	Prerequisites	Trimesters	Credits
310081	English as a Second Language A	9-12		4	10
310085	English as a Second Language B	9-12		4	10
310087	English as a Second Language C	9-12		3	7.5
322001	MCAS Support for ELL	10-12		1	2.5
031616	Introductory Physics for ELL	10-12		3	7.5
032026	Everyday Science for ELL	9		3	7.5
043021	Humanities A for ELL	9-12		2	5
043022	Humanities B for ELL	9-12		2	5
041493	US History A for ELL	11-12		1	2.5
041494	US History B for ELL	11-12		1	2.5
020611	Integrated Math I for ELL	10-12		3	7.5
020612	Integrated Math II for ELL	10-12		3	7.5

## ENGLISH LANGUAGE EDUCATION OFFERINGS

### **310081 English Language Education A**

#### **10 credits**

This introductory course is designed to improve listening, speaking, reading, and writing skills of students with limited or no English proficiency. Classroom activities are designed to lead students from basic personal conversation and oral expression to academic language and vocabulary, to improve reading comprehension, and to use written English in various social and academic contexts.

### **310085 English Language Education B**

#### **10 credits**

This course is designed to improve listening, speaking, reading, and writing skills of students with intermediate English proficiency. The classroom activities focus on English grammar, vocabulary, pronunciation, and conversation. American culture and civics are also a focus at this level.

### **310087 English Language Education C**

#### **7.5 credits**

This course is designed to improve listening, speaking, reading, and writing skills of advanced English proficiency. Emphasis is placed on developing reading, writing, and communication skills in everyday and academic situations. Classroom activities include small group work, oral presentations, role playing, vocabulary, research, and writing assignments.

### **322001 MCAS Support for ELL**

#### **2.5 credits**

This course is designed to help limited English proficient students master the skills necessary to achieve proficiency on state standardized tests (MCAS). The skills that are easily transferred to core content areas include but are not limited to: note-taking, paraphrasing, summarizing, outlining, organizing information, and test-taking techniques. Materials from core subjects will be used for the application of skills in the classroom setting. *Students will be assigned (based on need) to participate in this offering*

### **031616 Introductory Physics for ELL**

#### **7.5 credits**

How does the world work? What laws govern the behavior of everyday objects? This college preparatory course answers these questions through an in-depth study of classical mechanics (motion, force, momentum and energy); heat (temperature, calorimetry, change of state and thermal expansion); waves (sound, light and optics); and electricity and magnetism (field theory, simple AC and DC circuits). Topics will be presented theoretically and demonstrated visually. Laboratory experimentation and reporting supplement class work by allowing students to further investigate and apply theoretical concepts.

### **032026 Everyday Science for ELL**

#### **7.5 credits**

Everyday Science will have an emphasis on math skills needs for science contents, important vocabulary for physics, biology and chemistry in trimester one. In trimester two the emphasis will be on important real life applications of physics, biology and chemistry. The emphasis in trimester three will be on the first units of the physics curriculum. This year long class will focus on listening, speaking, reading and writing using science curriculum.

### **043021 Humanities A for ELL**

#### **5 credits**

This course is designed for students with limited English proficiency. Students examine the historical and intellectual origins of the United States during the Revolution and Constitutional eras. Students study the basic framework of an American democracy and the basic concepts of American government, as well as America's economic and social changes, including America's westward expansion, sectional conflict, the Civil War, Reconstruction, and the closing of the frontier.

### **043022 Humanities B for ELL**

#### **5 credits**

This course is designed for students with limited English proficiency. Students analyze the causes and consequences of the Industrial Revolution and America's growing role in international relations. Students study the goals and accomplishments of the Progressive movement and the New Deal. Students also learn about the various factors leading to American involvement in both World wars and the consequences of both on American life. Students explore the causes, course and effects of the Cold War on American diplomatic relations, as well as changes in American policy since the end of the Cold War. Students analyze various economic and political issues of the latter half of the 20th century and study the various social changes and movements of the last 60 years.

### **041493 US History A for ELL**

#### **2.5 credits**

Students will learn basic skills, such as mapping, how to read historical documents, and how to distinguish fact from opinion. This course is a project based class which will focus primarily on U.S. history from the 1900s-present.

**041494 US History B for ELL**

**2.5 credits**

Students will continue to build upon the basic skills they learned in ELL History A by learning how to analyze primary and secondary documents, obtaining research skills, how to cite sources, and learn how to form arguments. This course focuses on tying current events to early America.

**020611 Integrated Math I for ELL**

**7.5 credits**

Integrated Math I emphasizes the teaching of mathematics as problem solving, communication, and reasoning, and accentuates the connections among mathematical topics and between mathematics and other disciplines. The first year of the two-year sequence will include the study of algebra, functions, and geometry from both a synthetic and an algebraic perspective, and an introduction to statistics and probability.

**020612 Integrated Math II for ELL**

**7.5 credits**

Integrated Math II is the second year of a two-year sequence that emphasizes the teaching of mathematics as problem solving, communication, and reasoning, and accentuates the connections among mathematical topics and between mathematics and other disciplines. The second year of the two-year sequence includes the continuation of the study of algebra, geometry, and probability and statistics.

## EXPERIENTIAL LEARNING PROGRAM

Experiential Learning Offerings					
Number	Course	Grade(s)	Prerequisites	Trimesters	Credits
221010	School Leadership	10-11		1	2.5
221067	College/Career Planning	10-11		1	2.5
221040	Community Internship Grade 12	12		1	2.5
221041	Community Internship Grade 11	11		1	2.5
229980	Ind. Community Internship	12	Community Internship	1	2.5
111040	Yearbook	11-12		1	2.5
220510	Office Assistant	11-12		1	1.25
220530	Aide: Library Media Center	11-12		1	2.5
220543	Classroom Aide: Academic Center	11-12		1	2.5
220521	Classroom Aide: Art	11-12		1	2.5
229994	Classroom Aide: CTE	11-12		1	2.5
049955	Classroom Aide: ELL	11-12		1	2.5
220542	Classroom Aide: English	11-12		1	2.5
049965	Classroom Aide: Math	11-12		1	2.5
039950	Classroom Aide: Science	11-12		1	2.5
039951	Classroom Aide: Science Lab	11-12		1	2.5
220522	Classroom Aide: Social Studies	11-12		1	2.5
229991	Classroom Aide: Student Services	11-12		1	2.5
220545	Classroom Aide: World Language	11-12		1	2.5

## EXPERIENTIAL LEARNING OFFERINGS

### 221010 School Leadership

#### 2.5 credits

This class will prepare students for leadership roles and responsibilities at school and in the community. Students will learn and use 21<sup>st</sup> century skills, including life and career skills, learning and innovation skills, and information technology skills. This class is project-based and students will be expected to collaborate with their peers for small and large-scale projects. The course will culminate with a showcase presentation. This class is recommended for students who are already involved in school activities or students who would like to get more involved in the school community.

**221040 Community Internship Grade 12****2.5 credits**

An internship experience provides the student with an opportunity to explore career interests while applying knowledge and skills learned in the classroom in a work setting. The experience also helps students gain a clearer sense of what they still need to learn and provides an opportunity to build professional networks. Students are expected to develop and meet service goals and objectives and reflect on their service experiences. The class is offered to juniors and seniors who wish to build and strengthen their leadership skills through service. Students must create an Internship Portfolio to highlight their work in the community and present their experiences in a showcase. Students enrolled in this class must be able to provide their own transportation to an outside community placement.

**221041 Community Internship Grade 11****2.5 credits**

An internship experience provides the student with an opportunity to explore career interests while applying knowledge and skills learned in the classroom in a work setting. The experience also helps students gain a clearer sense of what they still need to learn and provides an opportunity to build professional networks. Students are expected to develop and meet service goals and objectives and reflect on their service experiences. The class is offered to juniors and seniors who wish to build and strengthen their leadership skills through service. Students must create an Internship Portfolio to highlight their work in the community and present their experiences in a showcase. Students enrolled in this class must be able to provide their own transportation to an outside community placement.

**221067 College/Career Planning****2.5 credits**

This course is recommended for sophomores and juniors who want to get a head start on their postsecondary education plans. In this course students will explore how the college application process works and the differences between public and private colleges. Students will learn how to compare colleges and how to identify the criteria that matters most to them. Students will also begin to learn how social networking can help them get ahead and prepare for the future. Students will be responsible for interviewing college students and graduates to learn more about the experience. Students will also explore careers and will be responsible for doing informational interviews with several people in the working world.

**229980 Independent Community Internship****2.5 Credits**

This course allows students to extend their internship experience into additional trimesters. It is intended for students who have service goals that require more time to implement. This course will require students to leave the building to work in the community. Students will be responsible for online weekly assignments, a time log, and for creating an online Internship Portfolio that will highlight their experience and the lessons they learned in their field. Students will be expected to share their experience at the end of the term showcase. This course is offered to juniors and seniors and an application must be submitted to enroll in the course.

**111040 Yearbook****2.5 credits**

This course is an elective for Editors of the AHS Tattletale yearbook. Students may not sign-up for this class, they must be given permission from the yearbook advisor to fit it in their schedule. During the class, editors will be working on making book deadlines, producing the pages using the digital software and organizing all the information needed to produce the book.

### **Work Study**

#### **Not for Credit**

Students in this course will be given authorization to leave the building to work. Eligibility for this program will be based on graduation status and personal recommendations. Students must be referred to be considered for this program and must complete an application to be considered.

### **220510 Office Assistant**

#### **1.25 credits**

Students in this course are assigned to various house offices and high school programs. They are responsible for regular attendance and for keeping a service log. Confidentiality is essential in all positions due to the nature of the materials handled in their care. Students will be tested on their knowledge of the AHS campus and school personnel.

### **220530 Aide: Library Media Center**

#### **2.5 credits**

Students in this course will be assigned to the Library Media Center and will assist with the daily operations of the Library. Regular attendance is an expectation.

## **CLASSROOM AIDE OPPORTUNITIES**

The AHS Classroom Aide Program provides eligible students with the opportunity to earn course credit for assisting teachers in providing a class environment in which all students can take full advantage of the instructional program and available resource materials. Classroom aides assist teachers in achieving educational objectives by working with individual students or small groups of students. The classroom aide is always directly supervised by the teacher. While duties for classroom aides may vary by class and department, curricular requirements include weekly reflections and a final self-evaluative portfolio. To be eligible for consideration, students are expected to treat classroom service as a professional opportunity. They must have a record of regular school attendance and appropriate school behavior.

They should demonstrate a level of maturity that enables them to assist students both academically and socially. Aides will receive training designed to provide them with the necessary tools to be effective within a classroom setting.

### **220543 Classroom Aide: Academic Center**

#### **2.5 credits**

Students in this course will be assigned to The Study to assist other students with academic difficulties in the capacity of a tutor. Students will be required to maintain confidentiality, and will be required to help with any other duties/responsibilities that teachers deem appropriate in this setting. Regular attendance is an expectation.

### **220521 Classroom Aide: Art**

#### **2.5 credits**

The Art Department offers grade-level core courses and a variety of English electives. The Program of Art provides descriptions of all Art Department offerings.

**229994 Classroom Aide: CTE**

**2.5 credits**

There are 12 Career & Technical Education Programs. Many teachers need an extra set of hands and eyes to assist with set up for projects, helping other students, and clean up. Students who are enrolled in CTE programs can be instructional aides in their programs during Exploratory or levels other than their own.

**049955 Classroom Aide: ELL**

**2.5 credits**

Students in this course will learn valuable skills to assist students learning English. Some students will accompany ELL students in specials or in CTE exploratory.

**220542 Classroom Aide: English**

**2.5 credits**

The English Department offers grade-level core courses and a variety of English electives. The Program of Studies provides descriptions of all English Department offerings.

**049965 Classroom Aide: Math**

**2.5 credits**

The Math Department offers grade-level core courses and a variety of Math electives. The Program of Studies provides descriptions of all Math Department offerings.

**039950 Classroom Aide: Science**

**2.5 credits**

The Science Department offers grade-level core courses and a variety of Science electives. The Program of Studies provides descriptions of all Science Department offerings.

**039951 Classroom Aide: Science Lab**

**2.5 credits**

The Attleboro High School Science Department is made up of 15 members, all of whom share one large lab space. During any class period, up to four different labs can be running concurrently. Organizing, preparing and cleaning a lab of this size is not only required of Attleboro High School's Science Department, but of all 21st century STEM programs.

**220522 Classroom Aide: Social Studies**

**2.5 credits**

The Social Studies Department offers grade-level core courses and a variety of Social Studies electives. The Program of Studies provides descriptions of all Social Studies Department offerings.

**229991 Classroom Aide: Student Services**

**2.5 credits**

The Alternative Learning Program and the Insights Program at Attleboro High School are programs designed to meet the needs of students with various intellectual and behavioral disabilities. These programs provide special education students with a curriculum focused on functional academics, as well as direct instruction in both social and communication skills.

**220545 Classroom Aide: World Language**

**2.5 credits**

The World Language Department offers grade-level core courses. The Program of Studies provides descriptions of all World Language Department offerings.

**HEALTH & PHYSICAL EDUCATION OFFERINGS**

**080510 Health Education**

**2.5 credits**

Students will acquire the knowledge and skills necessary to assess risk, communicate health information and make healthy decisions. Topics covered in grade 9 Health Education include violence and substance abuse prevention, human sexuality and relationships, family life, mental health and stress management. All topics align with MA Comprehensive Health Curriculum Framework.

**080010 Physical Education**

**2.5 credits**

Grade 10/11 Physical Education will provide students with knowledge, experience, and an opportunity to develop skills in more than one of the following sports or activities: team sports, individual/dual sports, recreational sports, fitness, and conditioning activities.

**080570 Health and Life Management**

**2.5 credits**

Grade 12 students will take elective based PE/Health; integrating health and life management topics. Physical activity and fitness will involve planning, implementing, and evaluating personal fitness programs. Substance abuse education will focus on drugs, society and behavior. Additional topics will include family life and consumer health to provide students with knowledge and skills to promote lifelong health and wellness. All topics align with MA Comprehensive Health Curriculum Framework.

**082450 Unified Peer Leader**

**2.5 credits**

The Peer Leader program utilizes positive peer influence to promote a healthy, supportive, and respectful educational environment within our adapted physical education program. The course is designed to teach students leadership skills, critical thinking, and problem-solving skills through a hands on leadership role in the classroom. The coursework includes weekly journals, self-reflection, a research paper, and hands-on participation. Students must have completed 7.5 credits in PE/Health prior to enrollment. Acceptance is subject to physical education approval.

## MATHEMATICS DEPARTMENT

<b>Math Offerings</b>					
<b>All students are required to take math every year.</b>					
Number	Course	Grade(s)	Prerequisites	Trimesters	Credits
020520	Algebra I	9		3	7.5
020720	Geometry	9-10		3	7.5
020723	Geometry Honors A	9-10		1	2.5
020724	Geometry Honors B	9-10	Geometry A (H)	1	2.5
020561	Algebra II A	10-11	Algebra I	1	2.5
020562	Algebra II B	10-11	Algebra II A	1	2.5
020563	Algebra II Honors A	10-11	Algebra I	1	2.5
020564	Algebra II Honors B	10-11	Algebra II A	1	2.5
020570	Algebra III	11-12	Algebra IIB	1	2.5
021030	Trigonometry	11-12	Algebra II	1	2.5
021101	Precalculus A	11-12	Algebra II	1	2.5
021102	Precalculus B	11-12	Precalculus A	1	2.5
021103	Precalculus Honors A	11-12	Algebra II	1	2.5
021104	Precalculus Honors B	11-12	Precalculus A	1	2.5
021211	Calculus A	11-12	Precalculus	1	2.5
021212	Calculus B	11-12	Calculus A	1	2.5
021240	AP Calculus AB	11-12	Precalculus	3	7.5
021250	AP Calculus BC	11-12	Precalculus	3	7.5
022011	Statistics and Probability A	11-12	Algebra II	1	2.5
022012	Statistics and Probability B	11-12	Statistics A	1	2.5
022030	AP Statistics	11-12	Algebra II	3	7.5
101580	AP Computer Science A	11-12		3	7.5
100190	AP Computer Science Principles	9-11		3	7.5
222100	Personal Financial Literacy	11-12		1	2.5
101520	Computer Science Fundamentals	9-12		1	2.5

029937	SAT Prep, Grade 10/11 Math	10-11	Algebra II B	1	2.5
121010	Banking I	10-12		1	2.5
121487	Banking II	11-12	Banking I	1	2.5
121610	Retail Marketing	11-12		1	2.5
120550	Principles of Management	11-12		1	2.5
022040	Debating Data	11-12		1	2.5
229970	The 2030 Project	11-12		3	7.5
029990DE	Dual Enrollment Math	9-12		2	5

## MATH OFFERINGS

### **020520 Algebra I**

#### **7.5 credits**

This course formalizes and extends the mathematics learned in the middle grades. Students study one and two variable statistics; contrast linear and exponential relationships; model, graph, and solve linear, exponential, and quadratic equations/inequalities/functions including systems; and students extend the laws of exponents to square and cube roots.

### **020720 Geometry**

#### **7.5 credits**

This course focuses on six critical areas: (1) establishing criteria for congruence of triangles based on rigid transformations; (2) establishing criteria for similarity of triangles based on dilations and proportional reasoning; (3) informally developing explanations of circumference, area, and volume formulas; (4) applying the Pythagorean Theorem to the coordinate plane; (5) proving basic geometric theorems; and (6) extending work with probability.

### **020723 Geometry Honors A**

#### **2.5 credits**

This course utilizes the same curriculum as Geometry but explores topics in greater depth and at a faster pace.

### **020724 Geometry Honors B**

#### **2.5 credits**

This course completes the Geometry curriculum begun in the “A” component of this course.

### **020561 Algebra II A**

#### **2.5 credits**

Building on their work with linear, quadratic, and exponential functions in Algebra 1, students extend their repertoire of functions to include logarithmic, polynomial, rational, and radical functions in the Algebra II course. Students work closely with the expressions that define the functions in order to graph, interpret and model the functions. Students continue to expand and hone their abilities to solve

equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms.

**020562 Algebra II B**

**2.5 credits**

This course completes the Algebra II curriculum begun in the “A” component of this course.

**020563 Algebra II Honors A**

**2.5 credits**

This course utilizes the same curriculum as Algebra II A, but explores topics in greater depth and at a faster pace.

**020564 Algebra II Honors B**

**2.5 credits**

This course completes the Algebra II Honors curriculum begun in the “A” component of this course.

**020570 Algebra III**

**2.5 credits**

This course reviews and extends algebraic concepts for students who have already taken Algebra II A and Algebra II B. Course topics include (but are not limited to) operations with rational and irrational expressions, factoring of rational expressions, linear equations and inequalities, quadratic equations, solving systems of linear and quadratic equations, properties of higher degree equations, and operations with rational and irrational exponents. The course may introduce topics in trigonometry, probability and statistics; matrices and determinants; and sequences and series.

**021030 Trigonometry**

**2.5 credits**

Trigonometry includes the following topics: trigonometric and circular functions; their inverses and graphs; relations among the parts of a triangle; trigonometric identities and equations; solutions of right and oblique triangles, and area of oblique triangles.

**021101 Precalculus A**

**2.5 credits**

Precalculus combines the study of Trigonometry, Elementary Functions, Analytic Geometry, and Math Analysis topics as preparation for calculus. Topics include the study of complex numbers; polynomial, logarithmic, exponential, rational, right trigonometric, and circular functions, and their relations, inverses and graphs; trigonometric identities and equations; vectors; the polar coordinate system; conic sections; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; and limits and continuity.

**021102 Precalculus B**

**2.5 credits**

This course completes the Precalculus curriculum begun in the “A” component of this course.

**021103 Precalculus Honors A**

**2.5 credits**

This course lays the foundation for the study of calculus. Algebra, analytic geometry, and trigonometry are integrated with other important topics in math by an approach that stresses functions. Important concepts of calculus are foreshadowed through an emphasis on graphs and the use of graphing technology.

**021104 Precalculus Honors B****2.5 credits**

This course completes the Precalculus Honors curriculum begun in the “A” component of this course.

**021211 Calculus A****2.5 credits**

Calculus includes the study of derivatives, differentiation, integration, the definite and indefinite integral, and applications of calculus. Typically, students have previously attained knowledge of precalculus topics (some combination of trigonometry, elementary functions, analytic geometry, and math analysis.)

**021212 Calculus B****2.5 credits**

This course completes the Calculus curriculum begun in the “A” component of this course.

**021240 AP Calculus AB****7.5 credits**

Following the College Board's suggested curriculum designed to parallel college-level calculus courses, AP Calculus AB provides students with an intuitive understanding of the concepts of calculus and experience with its methods and applications. These courses introduce calculus and include the following topics: elementary functions; properties of functions and their graphs; limits and continuity; differential calculus (including definition of the derivative, derivative formulas, theorems about derivatives, geometric applications, optimization problems, and rate-of-change problems); and integral calculus (including antiderivatives and the definite integral). *All participants in this course are required to take the AP exam and pay a subsidized portion of the fee associated with this exam.*

**021250 AP Calculus BC****7.5 credits**

Following the College Board's suggested curriculum designed to parallel college-level calculus courses, AP Calculus BC provides students with an intuitive understanding of the concepts of calculus and experience with its methods and applications, and also require additional knowledge of the theoretical tools of calculus. These courses assume a thorough knowledge of elementary functions, and cover all of the calculus topics in AP Calculus AB as well as the metrically defined functions; advanced techniques of integration and advanced applications of the definite integral; and sequences and series. *All participants in this course are required to take the AP exam and pay a subsidized portion of the fee associated with this exam.*

**022011 Statistics and Probability A****2.5 credits**

Probability and Statistics introduces the study of likely events and the analysis, interpretation, and presentation of quantitative data. Course topics generally include basic probability and statistics: discrete probability theory, odds and probabilities, probability trees, populations and samples,

frequency tables, measures of central tendency, and presentation of data (including graphs). Course topics may also include normal distribution and measures of variability.

### **022012 Statistics and Probability B**

#### **2.5 credits**

This course completes the Statistics & Probability curriculum begun in the “A” component of this course.

### **101580 AP Computer Science A**

#### **7.5 credits**

Following the College Board’s suggested curriculum designed to mirror college-level computer science courses, AP Computer Science A provides students with the logical, mathematical, and problem-solving skills needed to design structured, well-documented computer programs that provide solutions to real world problems. The course includes such topics as programming methodology, features, and procedures; algorithms; data structures; computer systems; and programmer responsibilities. *All participants in this course are required to take the AP exam and pay a subsidized portion of the fee associated with this exam.*

### **100190 AP Computer Science Principles**

#### **7.5 credits**

AP Computer Science Principles is an introductory college-level computing course. Students cultivate their understanding of computer science through working with data, collaborating to solve problems, and developing computer programs as they explore concepts like creativity, abstraction, data and information, algorithms, programming, the internet, and the global impact of computing. This course description comes from College Board. *All participants in this course are required to take the AP exam and pay a subsidized portion of the fee associated with this exam.*

### **022030 Advanced Placement Statistics**

#### **7.5 credits**

Following the College Board's suggested curriculum designed to parallel college-level statistics courses, AP Statistics introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. *All participants in this course are required to **have a graphing calculator** and take the AP exam and pay a subsidized portion of the fee associated with this exam.*

### **222100 Personal Financial Literacy**

#### **2.5 credits**

This course provides students with an understanding of the concepts and principles involved in managing one’s own personal finances. Topics may include spending patterns and budget planning, checking and savings accounts, investing and retirement, credit cards and credit scores, insurance, taxes, social security and consumer protection.

### **101520 Computer Science Fundamentals**

#### **2.5 credits**

Students work with MIT App Inventor to create basic apps that rely on the concepts of event-driven programming, branching, iteration, variables, and abstraction. The MIT App Inventor is a blocks-based programming tool that allows everyone, even novices, to start programming and build fully functional apps for Android devices. This course is an excellent entry point for new high school computer science (CS) learners. And students who have prior CS experiences will find ample opportunity to expand upon those experiences in this course. No previous experience in programming is needed, and the course is suitable for students with any level of computing experience.

### **029937 SAT Prep, Grade 10/11 Math**

#### **2.5 credits**

Proposed: The SAT Prep course is designed to help students prepare for the rigors of the SAT test (Math portion). The course will provide opportunities to become familiar with the test format, practice various types of Math SAT questions, implement various test-taking strategies and build confidence and proficiency. Students will receive progressive feedback to help them focus on areas of improvement.

### **Math Electives**

#### **121010 Banking I**

##### **2.5 credits**

Banking provides students with an overview of the American monetary and banking system as well as types of financial institutions and the services and products that they offer. Course content includes information with regards to checking, savings, and money market accounts. Additionally, the course includes topics of credit, debt, investments and negotiable instruments.

#### **Banking II**

##### **2.5 credits**

Banking II is an internship opportunity to work in the fully operating Bristol County Savings Bank on site at AHS. This course focuses on learning the system as well as performing the job requirements that a teller would do at a local branch. Students would be responsible for receiving and processing deposits and withdrawals as well as handling cash and making sure their cash balances with the transactions they have handled. Additionally, students will gain customer service skills while interacting with students and the public that call or come into the bank.

#### **121610 Retail Marketing**

##### **2.5 credits**

The Retail Marketing course covers principles and concepts related to the provision of goods and services directly to the consumer with an emphasis on store operations, advertisement and store presentation, store security, human resources, and business management/ownership.

#### **120550 Principles of Management**

##### **2.5 credits**

This course is designed to provide students with an understanding of the American business system, its organizations, and its management. It combines the traditional analysis of management principles with the behavioral approach to case studies. This course examines the various leadership and management styles of a variety of successful business organizations, both large and small.

**022040 Debating Data****2.5 credits**

Debating Data is a co-taught, interdisciplinary elective course that will embody the relevance of social studies and math in everyday life. Throughout this course, students will learn how to critically analyze, form opinions, use statistics and analysis to support positions to debate current issues.

**229970 The 2030 Project****7.5 credits**

This course will teach students how to become agents of change in the world around them by working to help attain the UN's 2030 Global Development Goals and is taught in an interdisciplinary fashion. Students will examine historical examples of change that cut across subject matters and disciplines and then will have to complete a civic action project that will require them to attempt to create real change on a local, statewide, or global scale. In the spring, students will publicly present their projects and conclusions to a panel of students, teachers, administrators, and community members at a community showcase event. The course will focus on developing essential college and career skills like researching and evaluating information, critical thinking, communication, innovation and problem solving. This course will provide English, Social Studies, Math, and/or Science credits.

**029990DE Dual Enrollment Math****5 credits**

Students interested in taking a dual enrollment course should request the course and then meet with their guidance counselor to discuss next steps. Requesting a dual enrollment course does not guarantee placement as there are procedures in place that must be completed before enrolling. Upon successful completion of a dual enrollment course, students receive both high school and college credits.

## SCIENCE DEPARTMENT

Number	Course	Grade(s)	Prerequisites	Trimesters	Credits
030040	Astronomy	11-12		1	2.5
030050	Oceanography	11-12		1	2.5
030070	Meteorology	11-12		1	2.5
030511	Biology A	10		1	2.5
030512	Biology B	10	Biology A	1	2.5
030513	Biology A Honors	10		1	2.5
030514	Biology B Honors	10	Biology Honors A	1	2.5
030540	Structural Anatomy	11-12		1	2.5
030530	Regulatory Body Systems	11-12		1	2.5
030550	Physiological Functioning	11-12		1	2.5
030560	AP Biology	11-12	Bio A/B Chem. A	3	7.5
030590	Genetics	11-12	Bio A/B Chem. A	1	2.5
031611	Introductory Physics	9		3	7.5
031613	Intro. Physics Honors A	9		1	2.5
031614	Intro. Physics Honors B	9	Intro. Phys. Honors A	1	2.5
031511	College Physics A	11-12		1	2.5
031512	College Physics B	11-12		1	2.5
031550	AP Physics	11-12	Introductory Physics	3	7.5
031051	Conceptual Chemistry A	11-12		1	2.5
031052	Conceptual Chemistry B	11-12	Conc. Chemistry A	1	2.5
031013	Chemistry Honors A	9-12		1	2.5
031014	Chemistry Honors B	10-12	Chem. Honors A	1	2.5
032060	AP Chemistry	11-12	Chem A/B	3	7.5
031070	AP Environmental Science	11-12	Biology A/B & enrollment in Chem A	3	7.5
032031	Ecology A	11-12		1	2.5
032032	Ecology B	11-12	Ecology A	1	2.5

032096	Science and Public Policy	11-12		1/2/3	2.5/5/7.5
030990	Introduction to Forensics	12		1	2.5
031490	Forensics Chemical Evidence	12		1	2.5
031990	Forensics Physical Evidence	12		1	2.5
180510	School Farm to Table	11-12		1/2/3	2.5/5/7.5
032090	Mythbusting	11-12		1	2.5
030631	Biogeography	11-12	Biology A/B	1	2.5
229970	The 2030 Project	11-12		3	7.5
039990DE	Dual Enrollment Science	9-12		2	5

## SCIENCE OFFERINGS

### 031611 Introductory Physics

#### 7.5 credits

This full-year course is designed to meet the State Framework requirements for Grades 9-10 science, specifically the principles of introductory physics. Concepts to be covered include linear motion, forces and Newton's Laws, momentum and energy, heat, waves, light and electromagnetism. An emphasis will be placed on cooperative learning techniques, scientific writing, and problem solving. Skills that will be stressed will be the scientific methods of inquiry and investigation, and the use of technology to obtain measurement data. Projects will integrate physics and technology concepts. Successful completion of the course will prepare students for study in upper level science courses.

### 031613 Introductory Physics Honors A

#### 2.5 credits

This accelerated two trimester course is designed for the highly motivated, science-oriented student covers the same concepts as the full-year Introductory Physics course. Introductory Physics A covers concepts of linear motion, forces and Newton's Laws, and momentum. More emphasis will be placed on students developing independent study skills and deeper problem-solving skills. Successful completion of this course will prepare students for study in upper level Honors and Advanced Placement courses, including AP Physics in their junior or senior years.

### 031614 Introductory Physics Honors B

#### 2.5 credits

This is a continuation of Introductory Physics H A. It starts with energy and continues with heat, waves, light and electromagnetism. More emphasis will be placed on students developing independent study skills and deeper problem-solving skills. Successful completion of this course will prepare students for study in upper level Honors and Advanced Placement courses, including AP Physics in their junior or senior years.

### 031511 Physics A

#### 2.5 credits

Physics A—the first half of this two-trimester course—provides an in-depth study of classical mechanics (motion, forces, momentum and energy) and heat (temperature, calorimetry, change of state, and thermal expansion). Physics B, which has Physics A as a prerequisite, continues the in-depth with waves

(sound, light, and optics) and electricity and magnetism (field theory, simple AC & DC circuits). Topics will be presented theoretically, demonstrated visually, and measured and experimentation and reporting supplement class work by allowing students to further investigate and apply theoretical concepts.

### **031512 Physics B**

#### **2.5 credits**

A continuation of Physics A, Physics B continues the in-depth study of waves (sound, light, and optics) and electricity and magnetism (field theory, simple AC & DC circuits). Topics will be presented theoretically, demonstrated visually, and measured and calculated mathematically. Laboratory experimentation and reporting supplement class work by allowing students to further investigate and apply theoretical concepts.

### **031550 AP Physics**

#### **7.5 credits**

AP Physics I is an algebra based, introductory college level Physics course that explores topics such as work, energy and power; mechanical waves and sound; and introductory, simple circuits. Several laboratory activities (that emphasize inquiry based learning), demonstrations and simulations will be used to supplement daily lessons, but the primary emphases are on conceptual understanding and problem solving, especially for the SAT Subject Test and the Advanced Placement Physics I Exam. Thus, all tests will be based on problems from such standardized tests. It is designed for those students with a deep interest in science or engineering. *All participants in this course are required to take the AP exam and pay a subsidized portion of the fee associated with this exam.*

### **030511 Biology A**

#### **2.5 credits**

A one trimester course in which students will do a survey of Biochemistry, Cellular Organization, Cellular Reproduction and DNA Structure. The course is designed to meet the MA frameworks in Biology Science and Technology for Grade 10. This course will have a series of laboratory exercises that follow the curriculum. An emphasis will be placed on cooperative learning techniques, scientific writing, organization, and problem solving in an effort to prepare students for the upper level science courses.

### **030512 Biology B**

#### **2.5 credits**

In a continuation of Biology A, students will do a survey of Protein Synthesis, Genetics, Evolution.. There will be a series of laboratory exercises that follow the curriculum. An emphasis will be placed on cooperative learning techniques, scientific writing, organization, and problem solving in an effort to prepare students for the upper level science courses.

### **030513 Biology Honors A**

#### **2.5 credits**

In this accelerated one trimester course, Biology AH , students will do a survey of Biochemistry, Cellular Organization, Cellular Reproduction, and DNA Structure. The course is designed to meet the MA frameworks in Biology Science and Technology for Grade 10. An emphasis will be placed on cooperative learning techniques, scientific writing, organization, and problem solving in an effort to prepare students for the upper level science courses.

**030514 Biology Honors B****2.5 credits**

A continuation of Biology A students will do a survey of Protein Synthesis, Genetics, Evolution, Classification. The course will have a series of laboratory exercises that follow the curriculum. An emphasis will be placed on cooperative learning techniques, scientific writing, organization, and problem solving in an effort to prepare students for the upper level science courses.

**030560 AP Biology****7.5 credits**

Topics of study in this course include Biochemistry, Molecular and Cellular Biology, Genetics, Microbiology, Animal and Plant Anatomy and Physiology, Evolution, and Ecology. Other topics will be included as time permits. Students taking this course must be committed to doing college-level work. Assignments include inquiry-based laboratory work requiring research and formal lab reports, note-taking with quizzes and internet homework. Students will be asked to work independently and in small groups. A summer assignment will be given to students prior to entering the class in the fall trimester. *All participants in this course are required to take the AP exam and pay a subsidized portion of the fee associated with this exam.*

**030590 Genetics****2.5 credits**

This is a one trimester course and is recommended for the highly motivated science oriented student. Genetics courses provides students with an understanding of general concepts concerning genes, heredity, and genetic disorders. Course topics typically include chromosomes, the structure of DNA and RNA molecules, and dominant and recessive inheritance and may also include lethal alleles, epistasis and hypostasis, and polygenic inheritance. Students will become involved in individual research. Prerequisites include Conceptual Physics, Biology and Chemistry.

**031051 Conceptual Chemistry A****2.5 credits**

This course is recommended for the college bound student. The focus is on concepts rather than an in depth math based science. It includes an intensive laboratory program with the development of laboratory skills. Topics will include: atomic structure, mole concepts, bonding, formula writing, naming, periodic trends and lab techniques. This course is a prerequisite for many upper level science courses.

**031052 Conceptual Chemistry B****2.5 credits**

This course is a continuation of Conceptual Chemistry A for the college bound student. The focus is on concepts rather than an in depth math based science. It includes an intensive laboratory program with the development of laboratory skills. Topics will include: stoichiometry, gas laws, colligative properties, acids/bases, thermochemistry, and nuclear chemistry.

**031014 Chemistry Honors A****2.5 credits**

This course is recommended for the highly motivated, science oriented student. It includes an intensive laboratory program with the development of laboratory skills. Topics will include: factor label/dimensional analysis, atomic structure, mole concepts, formula writing, naming, periodic trends. This course is a prerequisite for AP Chemistry.

### **031015 Chemistry Honors B**

#### **2.5 credits**

This course is recommended for the highly motivated, science oriented student with an in depth math base. It includes an intensive laboratory program with the development of laboratory skills. Topics will include: stoichiometry, gas laws, net ionic equations, formula calculations, thermochemistry, and nuclear chemistry. The course includes an intensive laboratory program. This course is a prerequisite for AP Chemistry.

### **032060 AP Chemistry**

#### **7.5 credits**

AP Chemistry is a college level chemistry class that focuses on integrating material from Chemistry Honors with the advanced topics of Kinetics, Equilibrium, Thermodynamics, and Electrochemistry. Students in this course will participate in an intensive laboratory program. After learning laboratory techniques for synthesis and analysis of compounds, students will apply these techniques in inquiry based labs. Students use graphing calculators for data analysis and Vernier probes for collection of data. This course is for highly motivated students. Practice is essential for success; therefore, it is required on a nightly basis. A summer assignment is provided for review of Chemistry Honors materials. *All participants in this course are required to take the AP exam and pay a subsidized portion of the fee associated with this exam.*

### **031070 AP Environmental Science**

#### **7.5 credits**

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. They will be able to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. *All participants in this course are required to take the AP exam and pay a subsidized portion of the fee associated with this exam.*

### **032031 Ecology A**

#### **2.5 credits**

This two semester course, A&B, and is a laboratory-based ecology course which includes topics that encompass the environmental health of our planet. Students will investigate how organisms interact with each other and their environments, and how human life is altering others' habitats. Skills will include data gathering, graphing analysis, and interpretation of how ecosystems change over time. Class discussion will concentrate on the application of the fundamental ecological concepts to real-world settings, and reflecting upon the social and political issues at hand.

### **032032 Ecology B**

#### **2.5 credits**

A continuation of Ecology A, students will investigate how organisms interact with each other and their environments, and how human life is altering others' habitats. Skills will include data gathering, graphing analysis, and interpretation of how ecosystems change over time. Class discussion will concentrate on the application of the fundamental ecological concepts to real-world settings, reflecting upon the social and political issues at hand. Group and individual activities in class and laboratory will provide students with the skills necessary to complete the outdoor fieldwork component of the course.

### **030990 Introduction to Forensics**

#### **2.5 credits**

Introduction to Forensics will focus on the scientific concepts and principles behind crime scene investigations, evidence classification and the analysis of evidence that is biological in nature. Topics will include observations and evidence, crime scene evidence collection, human remains, hair evidence and blood evidence. Course materials will have interdisciplinary connections with history, literature and films. Labs will focus on current forensics techniques and will be an integral part of the course. Discussions and analysis of mature material will take place and students need to prepare accordingly.

### **031490 Forensics: Chemical Evidence**

#### **2.5 credits**

Chemical Forensics will focus on the analysis of evidence that is chemical in nature. Topics will include drug evidence and testing, toxicology, fiber analysis and common chemical analysis techniques. Course materials will have interdisciplinary connections with history, literature and films. Labs will focus on current chemical forensics techniques and will be an integral part of the course. Discussions and analysis of mature material will take place and students need to prepare accordingly.

### **031990 Forensics: Physical Evidence**

#### **2.5 credits**

Physical Forensics will focus on the analysis of evidence that is physical in nature. Topics will include fingerprinting, ballistics, blood spatter analysis, and impression evidence. Course materials will have interdisciplinary connections with history, literature and films. Labs will focus on current forensics techniques and will be an integral part of the course. Discussions and analysis of mature material will take place and students need to prepare accordingly.

### **030040 Astronomy**

#### **2.5 credits**

The Astronomy course will provide the student with a framework of knowledge and understanding pertaining to the origin of the Universe and our Solar system. To foster this knowledge, the topics included will include information from the earliest astronomers through present day advances in the field of space exploration. Research and laboratory work will be emphasized, both independently and in small groups. Topics will include Origins of the Universe, History of Astronomy, Solar System Relationships, Stars and their Life Cycle and Modern Astronomy.

### **030070 Meteorology**

#### **2.5 credits**

The Meteorology course will provide the student with a framework of knowledge and understanding pertaining to Climate, Climate Systems and the balance which exists on the planet. Weather systems, climate change and natural disasters will be key focal points explored in the course. Research and laboratory work will be emphasized, both independently and in small groups. Topics will include

interrelationship of temperature/pressure systems, climate, weather systems, severe weather systems and climate change.

### **030050 Oceanography**

#### **2.5 credits**

The Oceanography course will provide the student with a framework of knowledge and understanding pertaining to the structure and function of the world's oceans. An extensive exploration of the characteristics and structure of the world's oceans will be undertaken with a focus on the land/ocean/air systems. Hypothetical scenarios both optimistic and disastrous will be explored. Research and laboratory work will be emphasized, both independently and in small groups. Topic will include geophysical oceanography, ocean structure, layering, the ocean floor, diversity of life in the ocean, ocean circulation and Chemical oceanography.

### **030530 Regulatory Body Systems**

#### **2.5 credits**

This course is designed for students who want to learn more about the human body. In particular, this course is for students thinking of preparing for higher education in health related sciences. The goal of this course is to understand the relationships of body systems in maintaining human life. This course will cover the endocrine, integumentary, lymphatic, and nervous systems, with a special concentration on sensory reception. Students in this class will participate in a variety of laboratory investigations, including dissections.

### **030540 Structural Anatomy**

#### **2.5 credits**

This course is designed for students who want to learn more about the human body. In particular, this course is for students thinking of preparing for higher education in health related sciences. The goal of this course is to understand the relationships of body systems in maintaining human life. This course will cover basic human anatomical terms, the structural basis of tissues, and bone and muscle structures. Students in this class will participate in a variety of laboratory investigations, including dissections.

### **030550 Physiological Functioning**

#### **2.5 credits**

This course is designed for students who want to learn more about the human body. In particular, this course is for students thinking of preparing for higher education in health related sciences. The goal of this course is to understand the relationships of body systems in maintaining human life. This course will cover the analysis of respiratory, cardiovascular, urinary and reproductive systems. Students in this class will participate in a variety of laboratory investigations, including dissections.

### **032096 Science & Public Policy**

#### **2.5/5/7.5 credits**

This course is a collaboratively taught science and history elective for juniors and senior. Topics that will be covered include social, political and economic ramifications of science in the fields of medicine, environmental science, energy consumption and warfare. Course work includes article reviews, persuasive essays, quizzes and debates. Students may elect to take one, two, or three trimesters in a school year, and may apply credit to either social studies or science requirements.

**180510 School Farm-to-Table****2.5/5/7.5 credits**

This is a collaboratively taught science and social studies elective, which emphasizes not only the science of horticulture, but also the political, social and economic ramifications of localizing sustainable, pesticide and chemical-free agriculture. Students will review and implement best practices in growing and distributing greens and vegetables for the CTE culinary program and local food charities, while exploring the growing trend back to localized food production. Students may elect to take one, two or three trimesters in a school year, and may apply credit to either social studies or science requirements.

**032090 Mythbusting****2.5 credits**

Mythbusting is a co-taught, interdisciplinary elective course that will help students gain the English Language Arts and science skills necessary to distinguish accurate information from common misconceptions. Many teenagers get their information online, a medium that can be easily manipulated, making it difficult to establish what is factually accurate and what is opinion. Students will explore how information is controlled, manipulated, and presented online (facts, stories, and social media) and how that information shapes how they see themselves and interpret the world around them, with a particular scientific emphasis on social-emotional and physical well being. Students will express their own understanding and conclusions about the topics through discussion, writing, and creative projects.

**030631 Biogeography****2.5 credits**

This course will study the unique biodiversity and biogeography of particular regions throughout the world and their inherent importance to today's understanding of evolution. Students will explore Darwinian theory, animal adaptations, and the ecology of particular regions. Students will also look at the history of trade routes, civilizations, and cultures throughout these regions. This is an interdisciplinary course that will count toward either science or social studies graduation requirements. In the 2020-21 school year, this course will have a particular focus on the biogeography of the Galapagos Islands.

**229970 The 2030 Project****7.5 credits**

This course will teach students how to become agents of change in the world around them by working to help attain the UN's 2030 Global Development Goals and is taught in an interdisciplinary fashion. Students will examine historical examples of change that cut across subject matters and disciplines and then will have to complete a civic action project that will require them to attempt to create real change on a local, statewide, or global scale. In the spring, students will publicly present their projects and conclusions to a panel of students, teachers, administrators, and community members at a community showcase event. The course will focus on developing essential college and career skills like researching and evaluating information, critical thinking, communication, innovation and problem solving. This course will provide English, Social Studies, Math, and/or Science credits.

**039990DE Dual Enrollment Science****5 credits**

Students interested in taking a dual enrollment course should request the course and then meet with their guidance counselor to discuss next steps. Requesting a dual enrollment course does not guarantee placement as there are procedures in place that must be completed before enrolling. Upon successful completion of a dual enrollment course, students receive both high school and college credits.

## SOCIAL STUDIES DEPARTMENT

Number	Course	Grade(s)	Prerequisites	Trimesters	Credits
040531/3	World History II A (C/H)	9		1	2.5
040532/4	World History II B (C/H)	9	WH II A	1	2.5
040530	Humanities: World History II C	9		2	5
040535	Humanities: World History II H	9		2	5
041021/3	US History A (C/H)	10		1	2.5
041022/4	US History B (C/H)	10	US A	1	2.5
041020	Humanities II: US History	10		2	5
040570	AP World History	10		3	7.5
041031	US History C	11	US B	1	2.5
041032	US History D	11	US C	1	2.5
041040	AP US History	11		3	7.5
041076	African American Experience	11-12		1	2.5
041620	Criminal Law	11-12		1	2.5
041060	National Security	11-12		1	2.5
041526	Science and Public Policy	11-12		1,2,3	2.5/5/7.5
041510	US Government	11-12		1	2.5
041513	US Government (H)	11-12		1	2.5
041570	AP US Government & Politics	11-12		3	7.5
042591	Sports & Society	11-12		1	2.5
041080	Women's Studies: Early American History	11-12		1	2.5
040995	Holocaust Studies	11-12		1	2.5
040650	Big History	11-12		1	2.5
043060	Philosophy	11-12		1	2.5
042560	AP Psychology	11-12		3	7.5
042555	Abnormal Psychology	11-12		1	2.5

042010	Economics	11-12		1	2.5
049990	School Farm to Table	11-12		1/2/3	2.5/5/7.5
043100	Art and Culture	11-12		1	2.5
043101	Modern Contemporary Art	11-12		1	2.5
041061	Interrupting Injustice	11-12		1	2.5
040020	Biogeography	11-12		1	2.5
042990	Debating Data	11-12		1	2.5
111014	AHS Student News	10-12		2	5
229970	The 2030 Project	11-12		3	7.5
049990DE	Dual Enrollment Social Studies	9-12		2	5

## **SOCIAL STUDIES OFFERINGS**

### **040531 World History II A**

#### **2.5 credits**

This course studies the rise of the nation state in Europe and economic and political roots of the modern world, including the Industrial Revolution, 19<sup>th</sup> century political reform in Western Europe, European imperialism in Africa, Asia, and South America, revolution in Russia, the causes and effects of the First World War, and the rise of nationalism. The course will begin with a review of historical skills and geography.

### **040533 World History II Honors A**

#### **2.5 credits**

This course utilizes the same curriculum as World History II, but explores topics in greater depth and at a faster pace. Skill development emphasizes the core areas of reading, writing and historical analysis. Students are expected to possess the motivation and work habits necessary for success in this rigorous academic class.

### **040532 World History II B**

#### **2.5 credits**

This course examines the causes and consequences of the great military and economic events of the twentieth century, including the Great Depression, World War II, the Cold War, Chinese revolutions, and the continuing persistence of political, ethnic, and religious conflict in many parts of the world.

### **040534 World History II Honors B**

#### **2.5 credits**

This course utilizes the same curriculum as World History II, but explores topics in greater depth and at a faster pace. Skill development emphasizes the core areas of reading, writing and historical analysis. Students are expected to possess the motivation and work habits necessary for success in this rigorous academic class.

### **040530 Humanities: World History II**

#### **5 credits**

Humanities integrates history and English curriculum to foster student engagement and application of skills between subjects. This course can be taken in place of World History II (A), World History II (B) and English I. Although Humanities shares an identical curriculum with distinct English and history options, the skill and content are aligned and taught in conjunction with one another. This course, **which includes the Freshman Skills course**, provides a yearlong forum to develop core reading, writing, and thinking strategies in the context of both history and literature.

#### **040535 Humanities: World History II Honors**

##### **5 credits**

This course is intended as a pre-AP class for freshmen who are highly motivated and show an aptitude for skill acquisition in reading, writing, language and historical analysis. Humanities integrates history and English curriculum to foster student engagement and application of skills between subjects. This course can be taken in place of World History II (A), World History II (B), English I Honors (A) and English I Honors (B). Students will cover the same curriculum as Humanities (C) but at a quicker pace and in more depth.

#### **041021 US History A**

##### **2.5 credits**

Students examine the historical and intellectual origins of the United States during the Revolution and Constitutional eras. Students study the basic framework of an American democracy and the basic concepts of American government, as well as America's economic and social changes.

#### **041023 US History Honors A**

##### **2.5 credits**

This course utilizes the same curriculum as US History A, but explores topics in greater depth and at a faster pace. Skill development emphasizes the core areas of reading, writing and historical analysis. Students are expected to possess the motivation and work habits necessary for success in this rigorous academic class.

#### **041022 US History B**

##### **2.5 credits**

Students continue to examine the historical and intellectual origins of the United States. This course focuses on America's westward expansion, the establishment of political parties, economic and social change, sectional conflict, the Civil War, Reconstruction, and the closing of the frontier.

#### **041024 US History Honors B**

##### **2.5 credits**

This course utilizes the same curriculum as US History B, but explores topics in greater depth and at a faster pace. Skill development emphasizes the core areas of reading, writing and historical analysis. Students are expected to possess the motivation and work habits necessary for success in this rigorous academic class.

#### **041020 Humanities II: US History**

##### **5 credits**

Humanities II integrates History and English curriculum to foster student engagement and application of skills between subjects. This course can be taken in place of US History (A), US History (B) and English II.

Although Humanities shares an identical curriculum with distinct English and history options, the skills and content are aligned and taught in conjunction with one another.

### **040570 AP World History**

#### **7.5 credits**

The purpose of the AP World History course is to develop a greater understanding of the evolution of global processes and contacts in different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in global frameworks and their causes and consequences, as well as comparisons among major societies. It emphasizes relevant factual knowledge, leading interpretive issues, and skills in analyzing types of historical evidence. Specific themes provide further organization to the course, along with consistent attention to contacts among societies that form the core of world history as a field of study. *All participants in this course are required to take the AP exam and pay a subsidized portion of the fee associated with this exam.*

### **041031 US History C**

#### **2.5 credits**

Students analyze the causes and consequences of the Industrial Revolution and America's growing role in international relations. Students study the goals and accomplishments of the Progressive movement and the New Deal. Students also learn about the various factors leading to American involvement in both World wars and the consequences of both on American life.

### **041032 US History D**

#### **2.5 credits**

Students explore the causes, course and effects of the Cold War on American diplomatic relations, as well as changes in American policy since the end of the Cold War. Students analyze various economic and political issues of the latter half of the 20th century, including McCarthyism and consumerism of the 1950s, the New Frontier and Great Society programs of the 1960s, economic stagflation and conservative responses of the 1970s and 80s, as well as the economic boom of the 90s and bust of the 00s. Finally, students study the various social changes and movements of the last 60 years, including the Civil Rights, anti-war, women's and conservative movements.

### **041040 AP US History**

#### **7.5 credits**

AP US History is a demanding introduction to American history and culture that assumes a high level of interest and competence. Because this course is similar to a first year college course, students should expect a heavier workload. The analytical thinking, writing, and reading skills that students develop in AP US History will equip them for college and lifelong learning. AP US History integrates political and social history in order to convey the experiences of particular groups within the broader perspective of the American past. At the same time, it connects events and issues from the past to the concerns of the present. The course explores Pre-Columbus through contemporary issues. Students will complete a comprehensive research project after the AP exam in May. *All participants in this course are required to take the AP exam and pay a subsidized portion of the fee associated with this exam.*

### **041076 African American Experience**

#### **2.5 credits**

This integrated course combines the history, literature, and culture of African-Americans. Through documents, literature, music, and film, students will study the failure of Reconstruction through the Civil Rights movement of the 50s and 60s. The course will also address current issues in the African-American community. This course can also be taken for English credit. See the English listings.

#### **041620 Criminal Law**

##### **2.5 credits**

This course is designed to introduce students to the three main components of the Criminal Justice System: Law Enforcement Procedures, the Court System, and Corrections. Students will learn not only how each of these components operate independently, but also how they work collaboratively as part of one system.

#### **041060 National Security**

##### **2.5 credits**

This one-term Social Studies elective will examine current debates about the structures and roles of the U.S. Armed Forces in the early 21<sup>st</sup> century, and the evolution and analysis of threats to international peace and security. Students will be expected to be actively engaged in readings and discussions, and will select topics for individual research and presentation.

#### **041526 Science and Public Policy**

##### **2.5/5/7.5 credits**

This course is a collaboratively taught science and history elective for juniors and seniors. Topics that will be covered include social, political and economic ramifications of science in the fields of medicine, environmental science, energy consumption and warfare. Course work includes article reviews, persuasive essays, quizzes and debates. Students may elect to take one, two, or three trimesters in a school year, and may apply credit to either social studies or science requirements.

#### **041510 US Government**

##### **2.5 credits**

This elective course explores the political process in the United States at local, state and national levels. Particular attention is paid to the constitutional basis of legal governance. Students will apply understanding through the practice of governing in the school setting.

#### **041513 US Government Honors**

##### **2.5 credits**

This course utilizes the same curriculum as US Government (CP), but explores topics in greater depth and at a faster pace. Students are expected to possess the motivation and work habits necessary for success in this rigorous class.

#### **041570 AP US Government & Politics**

##### **7.5 credits**

This course provides students with a nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behaviors. They will also engage in disciplinary practices

that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, students will complete an action civics project. *All participants in this course are required to take the AP exam and pay a subsidized portion of the fee associated with this exam.*

### **042591 Sports & Society**

#### **2.5 credits**

Students will read a wide variety of texts, both fiction and nonfiction, about a wide variety of sports, focusing particularly on the sport in season at the time of the course (i.e. football in the fall, baseball in the spring). The course will focus on the region's local sports teams as well as important national and historic issues relating to athletics. Students will write in multitude modes of discourse ranging from game reports to athlete biographies to persuasive essays on controversial sports topics. Additionally, students will conduct research and make oral presentations on student-selected content. This course counts toward the Social Studies graduation requirement. **Note:** only students who are able to watch mythand comment on sporting events should enroll in this class.

### **041080 Women's Studies: Early American History**

#### **2.5 credits**

This course seeks to analyze the changing gender spheres of Colonial and early American women. Specific themes will include the changing nature of gender roles in the home, economy, politics and military as the nature of society changes in response to external and internal forces. The changing nature of how women are portrayed in history, art and literature will also be explored.

### **040995 Holocaust Studies**

#### **2.5 credits**

This course will investigate the historical, social, political and psychological forces, ideas and events surrounding the Holocaust. Students will also explore the consequences of discrimination, racism and anti-Semitism as well as the relationship between individuals and society.

### **043060 Philosophy**

#### **2.5 credits**

What is reality? What is knowledge? What is truth? What is choice? What is the "good" life? The focus of this course will be on the activity of philosophizing. We will examine our own views/philosophical positions alongside those of many of the masters with respect to such concepts as knowledge, reality, questioning, choice, ethics, consciousness, happiness, injustice, love, beauty, responsibility, freedom/free will, wisdom, truth, friendship, universal morality, empathy, and the meaning of a "good" life. We will share, formulate, and hone views in an open forum format.

### **040650 Big History**

#### **2.5 credits**

How did the universe begin? How have humans evolved? What does the future hold? Big History takes on these questions, which originate with the dawn of time, and gives students a framework to tell the story of humanity's place in the universe. This course is more than just your standard history class. Big History helps students see the overall picture and make sense of the pieces: it looks at the past from the Big Bang to modernity, seeking out common themes and patterns that can help us better understand people, civilizations, and the world we live in.

**042560 AP Psychology****7.5 credits**

Based on the College Board's suggested curriculum designed to parallel a college psychology course, the AP Psychology course introduces students to the systematic and scientific study of the behavior and mental processes of human beings and other animals, exposes students to each major subfield within psychology, and enables students to analyze and assess the methods that psychologists use in their science and practice. *All participants in this course are required to take the AP exam and pay a subsidized portion of the fee associated with this exam.*

**042555 Abnormal Psychology****2.5 credits**

This one-trimester Social Studies elective will examine past and current theories of psychological functioning as they apply to the definition and treatment of mental disorders. Biological, psychological and social perspectives will be analyzed, and political and legal controversies examined. Students will be expected to read, reflect and write extensively, and to select individual topics to research and present.

**042010 Economics****2.5 credits**

This Course will provide an understanding of the principles of economics that apply to an economic system as a whole. We will particularly explore the financial debates around the national debt and economic stimulus, and the 2008 financial collapse in the US, Europe and elsewhere.

**049990 School Farm-to-Table****2.5/5/7.5 credits**

This is a collaboratively taught science and social studies elective, which emphasizes not only the science of horticulture, but also the political, social and economic ramifications of localizing sustainable, pesticide and chemical-free agriculture. Students will review and implement best practices in growing and distributing greens and vegetables for the CTE culinary program and local food charities, while exploring the growing trend back to localized food production. Students may elect to take one, two or three trimesters in a school year, and may apply credit to either social studies or science requirements.

**043100 Art and Culture****2.5 credits**

Art and Culture - Does Art change Culture? Does Culture change Art? Can either exist without the other? What do you think? Art challenges and spurs our thinking, engagement, and our actions. In this course, we will analyze and evaluate how Contemporary/Modern Art challenges Culture to change. Let's dare to examine and reflect on varied viewpoints, including our own. We can't wait to hear what you think? Oh! The Possibilities! Offered as a History or Art Elective. Credits can apply to History or Art.

**043101 Modern Contemporary Art****2.5 credits**

Does Art change Culture? Does Culture change Art? Art challenges and spurs our thinking, engagement, and actions. We all see the world through our own colored glasses. Modern/Contemporary Art challenges our assumptions within the larger cultural/historical context in which the Art was created. Let's dare to examine and reflect on varied viewpoints, including our own. We will examine such Movements as Impressionism, Expressionism, Cubism, Dadaism, Surrealism, Abstract Art, and Pop Art.

Monet, Picasso, Duchamp, Dali, Klimt, Jasper Johns, Warhol, Banksy, Jean-Michel Basquiat. Oh! The Possibilities! We can't wait to hear your opinions.

### **041061 Interrupting Injustice**

#### **2.5 credits**

Students will confront the injustices faced by numerous marginalized groups in society. Together we will explore injustices such as racism, sexism, classism, heterosexism, and ableism in a safe and brave space. We will unpack these topics through discussion, source analysis, and through interaction with the community. We will then turn knowledge into initiative. The purpose of this class is to empower students to recognize the power of their own voice, and to provide students with a platform and the tools to be change agents in creating a more inclusive and equitable school community and world.

### **042990 Debating Data**

#### **2.5 credits**

Debating Data is a co-taught, interdisciplinary elective course that will embody the relevance of social studies and math in everyday life. Throughout this course, students will learn how to critically analyze, form opinions, use statistics and analysis to support positions to debate current issues.

### **040020 Biogeography**

#### **2.5 credits**

This course will study the unique biodiversity and biogeography of particular regions throughout the world and their inherent importance to today's understanding of evolution. Students will explore Darwinian theory, animal adaptations, and the ecology of particular regions. Students will also look at the history of trade routes, civilizations, and cultures throughout these regions. This is an interdisciplinary course that will count toward either science or social studies graduation requirements. In the 2020-21 school year, this course will have a particular focus on the biogeography of the Galapagos Islands.

### **111014 AHS Student News**

#### **5 credits**

The purpose of this course is to create a student produced video news segment for the high school. Students would learn about journalism and apply those skills to research school, local, state, and national events. Students would produce semi regular video news segments that would be disseminated with the school and the community.

### **229970 The 2030 Project**

#### **7.5 credits**

This course will teach students how to become agents of change in the world around them by working to help attain the UN's 2030 Global Development Goals and is taught in an interdisciplinary fashion. Students will examine historical examples of change that cut across subject matters and disciplines and then will have to complete a civic action project that will require them to attempt to create real change on a local, statewide, or global scale. In the spring, students will publicly present their projects and conclusions to a panel of students, teachers, administrators, and community members at a community showcase event. The course will focus on developing essential college and career skills like researching

and evaluating information, critical thinking, communication, innovation and problem solving. This course will provide English, Social Studies, Math, and/or Science credits.

**049990DE Dual Enrollment Social Studies**

**5 credits**

Students interested in taking a dual enrollment course should request the course and then meet with their guidance counselor to discuss next steps. Requesting a dual enrollment course does not guarantee placement as there are procedures in place that must be completed before enrolling. Upon successful completion of a dual enrollment course, students receive both high school and college credits.

**WORLD LANGUAGE DEPARTMENT**

***Note: Given declining enrollment in French classes, the Administration cannot guarantee that French will be offered.***

Number	Course	Grade(s)	Prerequisites	Trimesters	Credits
061011	Spanish I A	9-12		1	2.5
061012	Spanish I B	9-12	Spanish I A	1	2.5
061021	Spanish II A	9-12	Spanish I B	1	2.5
061022	Spanish II B	9-12	Spanish II A	1	2.5
061023	Spanish II Honors A	9-12	Spanish IB	1	2.5
061024	Spanish II Honors B	9-12	Spanish II H A	1	2.5
061031	Spanish III A	10-12	Spanish II B	1	2.5
061032	Spanish III B	10-12	Spanish III A	1	2.5
061033	Spanish III Honors A	10-12	Spanish II H B	1	2.5
061034	Spanish III Honors B	10-12	Spanish III H A	1	2.5
061041	Spanish IV A	10-12	Spanish III B	1	2.5
061042	Spanish IV B	10-12	Spanish IV A	1	2.5
061043	Spanish IV Honors A	10-12	Spanish III H B	1	2.5
061044	Spanish IV Honors B	10-12	Spanish IV H A	1	2.5
061053	Spanish V Honors A	11-12	Spanish IV H B	1	2.5
061054	Spanish V Honors B	11-12	Spanish V H A	1	2.5
061061	Spanish for Native Speakers A	9-12		1	2.5
061062	Spanish for Native Speakers B	9-12	Spa. N.S. A	1	2.5
061211	French I A	9-12		1	2.5
061212	French I B	9-12	French I A	1	2.5

061221	French II A	9-12	French I B	1	2.5
061222	French II B	9-12	French II A	1	2.5
061223	French II Honors A	9-12	French I B	1	2.5
061224	French II Honors B	9-12	French II H A	1	2.5
061231	French III A	10-12	French II B	1	2.5
061232	French III B	10-12	French III A	1	2.5
061233	French III Honors A	10-12	French II H B	1	2.5
061234	French III Honors B	10-12	French III H A	1	2.5
061241	French IV A	10-12	French III B	1	2.5
061242	French IV B	10-12	French IV A	1	2.5
061243	French IV Honors A	10-12	French III H B	1	2.5
061244	French IV Honors B	10-12	French IV H A	1	2.5
068011	American Sign Language IA	10-12		1	2.5
068012	American Sign Language IB	10-12	ASL I A	1	2.5
068021	American Sign Language IIA	10-12	ASL I B	1	2.5
068022	American Sign Language IIB	10-12	ASL II A	1	2.5
069990DE	Dual Enrollment World Language	9-12		2	5

## WORLD LANGUAGE OFFERINGS

World Language classes are designed for non-native speakers of the language. Heritage language speakers of a language are encouraged to enroll in a first year of a **different** language class from their native language. Those students wishing to pursue studies in their native language must take a literacy test and with the approval of the Department Coordinator will be placed in the appropriate level.

### 061011 Spanish I A

#### 2.5 credits

To introduce Spanish language and Hispanic culture, Spanish 1 A and B emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak and understand the language at the basic level within predictable areas of need, using customary courtesies and conventions. The cultures of Spain and Latin America are introduced through the geography, art, literature, customs and history of Spanish-speaking people.

### 061012 Spanish I B

#### 2.5 credits

This class completes the curriculum begun in the "A" component of this course.

### 061021 Spanish II A

#### 2.5 credits

Spanish II courses build upon skills developed in Spanish I, extending students' ability to understand and express themselves in Spanish and increasing their vocabulary. Students will continue to learn how to engage in discourse for informative and or social purposes, write to show understanding of sentence construction and the rules of grammar, and build their comprehension of the spoken language.

Students will also explore some customs, history, and authentic pieces of literature so that they may deepen their cultural understanding of the language.

**061022 Spanish II B**

**2.5 credits**

This class completes the curriculum begun in the “A” component of this course.

**061023 Spanish II Honors A**

**2.5 credits**

Students in the Spanish II honors courses will build upon skills developed in Spanish I. Students will continue to explore vocabulary and grammar so that they may be able to understand and express themselves in written and spoken language. Students will continue to learn how to engage in discourse for informative and or social purposes, write compositions to show understanding of sentence construction as well as the rules of grammar and build their comprehension of the spoken language. Students will also explore authentic pieces of literature as well as customs, and history so that they may deepen their cultural understanding of the Spanish language.

**061024 Spanish II Honors B**

**2.5 credits**

This class completes the curriculum begun in the “A” component of this course.

**061031 Spanish III A**

**2.5 credits**

Spanish III courses build upon skills developed in Spanish II, extending students’ ability to understand and express themselves in Spanish and increasing their vocabulary. Students will progress from the novice level of oral proficiency to a point where they can create with language and participate actively in more challenging conversations. The objectives are designed to strengthen the students’ command of the written language in a variety of situations. Students will continue to learn how to engage in discourse for informative or social purposes, write to show understanding of sentence construction and the rules of grammar, and build their comprehension of the spoken language. Students will also explore some customs, history, and authentic pieces of literature so that they may deepen their cultural understanding of the language.

**061032 Spanish III B**

**2.5 credits**

This class completes the curriculum begun in the “A” component of this course.

**061033 Spanish III Honors A**

**2.5 credits**

Students in the Spanish III honors courses will build upon skills developed in Spanish II honors. Students will continue to explore vocabulary and grammar so that they may be able to communicate in written and spoken language. This course is for those students who show a facility for language learning and are committed to furthering their understanding of the way language works. Students will continue to learn how to engage in discourse for informative and or social purposes, write to show understanding of sentence construction and the rules of grammar, and build their comprehension of the spoken language. Students will also explore authentic pieces of literature as well as customs, and history so that they may deepen their cultural understanding of the Spanish language.

**061034 Spanish III Honors B****2.5 credits**

This class completes the curriculum begun in the “A” component of this course.

**061041 Spanish IV A****2.5 credits**

Spanish IV focuses on advancing the students’ skills and abilities to read, write, speak, and understand the Spanish language to that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a broad vocabulary.

**061042 Spanish IV B****2.5 credits**

This class completes the curriculum begun in the “A” component of this course.

**061043 Spanish IV Honors A****2.5 credits**

Spanish IV Honors is a continuation course for students who have successfully completed Spanish 3 at the Honors level. Students acquire more sophisticated skills in each of the major communication areas: listening, reading, speaking, and writing. Major emphasis is on development of the ability to read authentic selections about the history, geography, literary works and current events of 5 Spanish speaking geographical regions for good comprehension, discussion, reflection and composition skills while fostering a deeper-level appreciation of the culture. In written work, there is an emphasis on writing persuasive essays with smooth transitioning and an ample argumentation vocabulary.

**061044 Spanish IV Honors B****2.5 credits**

This class completes the curriculum begun in the “A” component of this course.

**061053 Spanish V Honors A****2.5 credits**

Spanish V Honors extends students’ facility with the Spanish language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. An environment of multimedia enables the student to pursue literary, cultural, historical and linguistic interests. A comprehensive final examination of grammar topics is presented in order for students to prepare for examinations and competitions. The class is conducted entirely in Spanish.

**061054 Spanish V Honors B****2.5 credits**

This class completes the curriculum begun in the “A” component of this course.

**061061 Spanish for Native Speakers A****2.5 credits**

Spanish for Native Speakers course will support, reinforce, and expand students' knowledge of their native tongue. The course is designed for students who understand the spoken language, have a working vocabulary and a certain amount of grammatical structure. Spanish for Native Speakers courses will move faster than regular Spanish world language courses and will emphasize literary development (with a study of literature and composition). These courses may also include the culture, history and geography of the Hispanic world.

### **061061 Spanish for Native Speakers B**

#### **2.5 credits**

This class completes the curriculum begun in the "A" component of this course.

### **061211 French I A**

#### **2.5 credits**

French I emphasizes basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level. French culture is introduced through the art, customs, and history of the French speaking people. **Given declining enrollment in French courses, the administration cannot guarantee that French will be offered. If you select this course, please be sure to choose an alternate selection. Additionally, students interested in pursuing post-secondary education at highly selective colleges should select Spanish as their World Language as the French curriculum may not extend past Level II.**

### **061212 French I B**

#### **2.5 credits**

This class completes the curriculum begun in the "A" component of this course. Given declining enrollment in French courses, the administration cannot guarantee that French will be offered. If you select this course, please be sure to choose an alternate selection. **Given declining enrollment in French courses, the administration cannot guarantee that French will be offered. If you select this course, please be sure to choose an alternate selection. Additionally, students interested in pursuing post-secondary education at highly selective colleges should select Spanish as their World Language as the French curriculum may not extend past Level II.**

### **061221 French II A**

#### **2.5 credits**

French II builds upon the skills developed in French I, extending students' ability to understand and express themselves in French. Students will increase their vocabulary while engaging in discourse for informative or social purposes. Students will continue to expand their knowledge of the rules of grammar while understanding French that is spoken at a slower pace. Students will continue to explore the many aspects of the French speaking world.

### **061222 French II B**

#### **2.5 credits**

This class completes the curriculum begun in the "A" component of this course.

### **061223 French II Honors A**

#### **2.5 credits**

The course is a continuation of the work completed in French I. The course stresses proficiency in the four basic skills. Student-centered and proficiency driven activities will dominate the language

instruction. Interpersonal, interpretive and presentational communicative modes will characterize classroom activity. This course is designed for those planning on taking AP French and/or advanced French courses.

**061224 French II Honors B**

**2.5 credits**

This class completes the curriculum begun in the “A” component of this course.

**061231 French III A**

**2.5 credits**

French III continues the balanced-skills approach of language acquisition with the goal of having students express increasingly complex concepts both verbally and in writing. Conscious control of the language system is developed. Comprehension goals for students may include attaining more facility in understanding language spoken at a normal rate, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

**061232 French III B**

**2.5 credits**

This class completes the curriculum begun in the “A” component of this course.

**061233 French III Honors A**

**2.5 credits**

Students electing French III Honors are those students who show a facility for language learning and are committed to furthering their understanding of the way language works. French III Honors continues the balanced-skills approach of language acquisition with the goal of having students express increasingly complex concepts both verbally and in writing. The pace of this course is faster than the regular French III course. Class will be conducted in French as much as possible.

**061234 French III Honors B**

**2.5 credits**

This class completes the curriculum begun in the “A” component of this course.

**061241 French IV A**

**2.5 credits**

French IV focuses on advancing students’ skills and abilities to read, write, speak, and understand the French language so that they can maintain simple conversations, understand speech spoken at a normal pace, read authentic prose, and write narratives that indicate a good understanding of grammar and varied vocabulary. Topics engage students in exploring the cultural diversity, historical significance and literary contribution of the francophone world. Emphasis is placed on the use of French for active communication. The course is conducted in French as much as possible.

**061242 French IV B**

**2.5 credits**

This class completes the curriculum begun in the “A” component of this course.

**061243 French IV Honors A**

**2.5 credits**

Consistent with the program offered through the third year, French IV Honors focuses on developing and refining students' skills and abilities to read, write, speak, and understand the French language so that they can participate in simple conversations with sufficient vocabulary and an acceptable accent, understand speech spoken at a normal pace, read from French literature and other sources, and write narratives that indicate a good understanding of grammar and a strong vocabulary. Topics engage students in exploring the cultural diversity, historical significance and literary contribution of the francophone world. Emphasis is placed on the use of French for active communication. The course is conducted entirely in French.

**061244 French IV Honors B****2.5 credits**

This class completes the curriculum begun in the "A" component of this course.

***\*Given declining enrollment in French courses, the administration cannot guarantee that French will be offered. If you select this course, please be sure to choose an alternate selection. Additionally, students interested in pursuing post-secondary education at highly selective colleges should select Spanish as their World Language as the French curriculum may not extend past Level II.***

**68011 American Sign Language IA****2.5 credits**

American Sign Language (ASL) 1 will introduce students to the fundamentals of ASL, using finger spelling, basic signs and gestures. Students will also touch upon linguistic features of ASL, basic grammatical structure, deaf history, and deaf culture. Students will be actively engaged in a variety of activities aimed to develop their receptive and expressive skills as well as further their understanding of ASL.

**068012 American Sign Language IB****2.5 credits**

This class completes the curriculum begun in the "A" component of this course.

**068021 American Sign Language IIA****2.5 credits**

American Sign Language II continues to build onto the skills acquired from ASL I. Students will delve deeper into deaf history and culture and will begin to apply the vocabulary learned in situations they will face in daily life. ASL II aims to increase the speed at which the students can sign, increase their recognition/understanding of ASL vocabulary, as well as becoming more comfortable expressing themselves using American Sign Language.

**068022 American Sign Language IIB****2.5 credits**

This class completes the curriculum begun in the "A" component of this course.

**069990DE Dual Enrollment World Language****5 credits**

Students interested in taking a dual enrollment course should request the course and then meet with their guidance counselor to discuss next steps. Requesting a dual enrollment course does not guarantee placement as there are procedures in place that must be completed before enrolling. Upon successful completion of a dual enrollment course, students receive both high school and college credits.

## APS District Learning Priorities

## ENGAGING LEARNING EXPERIENCES

Students are curious about and invested in learning, because it is designed to provide real value beyond the classroom.

Authentic Experiences and Performances  
Intrinsic Motivation and Individual Choice  
Hands-ons Learning  
Interdisciplinary Instruction and Assessments



## INFUSING TECHNOLOGY

Students integrate technology and apply those resources through the learning process.

11 Environment  
Personalization  
Research and Evaluation of Information  
Innovation and Reflection

## PERSONALIZATION OF LEARNING PROGRAMS

Students participate in programs that are customized to meet their individual needs.

Diversified and Deep Curricula  
Universal Design for Learning  
ILPs and Student Voice  
Flexible Scheduling



## EXPERIENTIAL LEARNING OPPORTUNITIES

Students engage in a variety of experiential learning opportunities, which provide purpose and increase motivation and effort to help them grow as learners.

Field Experiences and Student Travel  
Service Learning  
Community Partnerships  
District Afterschool System

### 21<sup>st</sup> CENTURY VISIONING EFFORTS

AHS continues to apply guidelines provided by the District’s Strategic Plan, *Envisioning 2020*.

## APS STUDENT EXIT OUTCOMES

All APS graduates will:

- engage in each experience as a learning opportunity
- employ effective strategies and techniques to reach thoughtful conclusions
- improve the world through works and deeds in a digital society.

In order to do this, all APS graduates will demonstrate mastery of the following competencies in academic, practical, and digital settings:

### **Curiosity and Imagination**

Students will be inquisitive about the world and ask meaningful and purposeful questions to help understand it.

- Engagement, Purpose, and Questioning

### **Access and Evaluate Information**

Students will be able to find, manage, and evaluate the validity of the wealth of information available to them.

- Research, Sourcing, Evaluation, Interpretation, Contextualization, and Corroboration

### **Critical Thinking**

Students will be able to apply thinking strategies to answer questions, construct meaning and arrive at sound judgements.

- Analysis, Synthesis, Inference, Logic, Creativity, and Metacognition

### **Communication**

Students will be able to effectively express knowledge, ideas and arguments in a variety of ways and contexts.

- Reading, Writing, Speaking, and Listening

### **Collaboration**

Students will be able to work interdependently across a variety of networks.

- Teamwork, Leadership, Influence, and Respect

### **Initiative, Innovation, and Problem Solving**

Students will be able to solve problems by developing and exchanging ideas with the world in a variety of contexts and at a variety of scales.

- Design Thinking, Experimentation, Ideation, Iteration, and Observation

### **Character and Wellness**

Students will be able to make decisions that are moral, just and promote a healthy lifestyle.

- Social, Emotional, Physical, and Ethical