

POMPERAUG HIGH SCHOOL



2024-2025
Program of Studies



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SCHOOL INFORMATION

CORE VALUES & BELIEFS

Students, staff, parents and community members characterize the Pomperaug experience in one word more often than any other: pride. In our classrooms, on our campus and in our greater community, we take pride in our commitment to the following values:

- In our classrooms, we are committed to fostering academic excellence, independent and self-reflective thinking, and a curiosity to pursue lifelong learning in a 21st Century world.
- On our campus, we are committed to promoting respect, maximizing opportunities for personal expression, and facilitating a positive school culture.
- In our community, we are committed to developing responsible, active, and accountable citizens.

At Pomperaug High School, we believe that all students can grow as learners, build and enhance community, and conduct themselves with integrity.

LEARNING EXPECTATIONS

The Pomperaug High School community expects that students will meet academic, social and civic requirements through the pursuit of our 21st Century expectations for student learning:

The PHS student demonstrates effective **communication** by interpreting language, revising ideas and positions relative to new understandings, and conveying facts, ideas, emotions, and concepts relevant to purpose and audience.

The PHS student demonstrates **critical thinking** by approaching topics with a healthy skepticism, pursuing solutions to challenging questions or problems, considering alternative perspectives, and conceptualizing, synthesizing, and evaluating information and experiences as a framework for belief and action.

The PHS student demonstrates **innovation** by exhibiting a sense of wonder and curiosity, an internal motivation to push boundaries and take risks, perseverance in the face of failure, and a capacity for producing novel ideas and products.

The PHS student demonstrates **global citizenship and ethics** by honoring the dignity and rights of all people, responding to the needs of the local community and beyond, showing an understanding of the social, cultural, political, environmental, and economic issues faced by citizens of the world, respecting the intellectual and physical property of others, making thoughtful decisions, and accepting responsibility for one's own actions.

ACCREDITATION STATEMENT

Pomperaug High School is regionally accredited by the New England Association of Schools and Colleges, Inc., a non-governmental, nationally recognized organization whose affiliated institutions include elementary schools through collegiate institutions offering post-graduate instruction. Accreditation of an institution by the New England Association indicates that it meets or exceeds criteria for the assessment of institutional quality periodically applied through a peer group review process. An accredited school or college is one which has available the necessary resources to achieve its stated purposes through appropriate educational programs, is substantially doing so, and gives reasonable evidence that it will continue to do so in the foreseeable future. Institutional integrity is also addressed through accreditation. Accreditation by the New England Association is not partial but applies to the institution as a whole. As such, it is not a guarantee of the quality of every course or program offered, or the competence of individual graduates. Rather, it provides reasonable assurance about the quality of opportunities available to students who attend the institution. Inquiries regarding the status of an institution's accreditation by the New England Association should be directed to the administrative staff of the school or college. Individuals may also contact the Association.

NOTICE OF NON-DISCRIMINATION

The Pomperaug Regional School District 15 does not discriminate on the basis of race, color, national origin, religious beliefs, handicap, sex, or age, in addition to, access to, treatment in, or employment in its programs and activities.

The Coordinator of the District's efforts to comply with Section 504 of the Rehabilitation act of 1973 and Title VI is Ms. Jessica Sciarretto, Director of Student Services, P.O. Box 395, 286 Whittemore Road, Middlebury, Connecticut 06762, 203-758-1729. The Coordinators of the District's efforts to comply with Title IX of the Education Amendments of 1972 are Mrs. Heidi Szymanski, Pomperaug High School, 234 Judd Road, Southbury, Connecticut 06488, 203-262-3200 and Mr. John Romeo, Principal Gainfield Elementary School, 307 Old Field Road, Southbury, Connecticut 06488, 203-264-5312.

Any inquiries regarding the application of the District's non-discrimination policy may be referred to the Coordinator or to the Regional Director, U.S. Department of Education, Office for Civil Rights, J.W. McCormack Post Office and Courthouse, Room 222, Boston, Massachusetts 02109-4557.

POMPERAUG HIGH SCHOOL GRADUATION REQUIREMENTS

ACADEMIC REQUIREMENTS

In order to be eligible to graduate from Pomperaug High School all students must meet the following graduation requirements as approved by the Region 15 Board of Education. For currently enrolled students, only credits awarded at PHS may count towards graduation requirements.

**Please speak with your PHS School Counselor to review Department Specifications.*

Graduation Requirements for the class of 2023 and thereafter	
Humanities	9.5 Credits
<u>English</u>	4 Credits
<u>Social Studies</u>	3 Credits
<u>Civics</u>	.5 Credit
<u>Fine Arts</u>	1 Credit
<u>World Language</u>	1 Credit
STEM	9 Credits
<u>Science</u>	3 Credits
<u>Math</u>	4 Credits
<u>Career & Technical Education (CTE)</u>	1 Credit
<i>STEM Elective (<u>Science</u>, <u>Math</u>, or <u>CTE</u>)</i>	1 Credit
<u>Physical Education/Wellness & Safety/Health</u>	2 Credit
Electives (From any department in addition to the required amount.)	4.5 Credits
Total Academic Credits	25 Credits
<u>Senior Year Experience</u>	1 Credit
Total Credits Required for Graduation	26 Credits
<u>Community Service Requirement</u>	5 Hours per Year

DEPARTMENT SPECIFICATIONS

English: Must take one credit of English each year, including English I, English II, English III, and two Senior ½ credit English electives.

Social Studies: Must include Global Studies, US History, and at least a half year course in civics.

Mathematics: Students are encouraged to take one credit of Math each year and must take at least one course focused on algebraic problem solving and one course focused on geometric critical thinking.

Science: Must include Integrated Earth & Physical Science, Biology, and a Chemistry based course.

PE/Health: Must take a half credit each year including 9th Grade Foundations of Training, 10th Grade Health Related Fitness, and two other electives.

ACADEMIC POLICIES & REGULATIONS

COURSE LOAD

Each year, all students are required to enroll in a minimum amount of credits per semester. However, the principal may allow exceptions to the requirement under special circumstances and when a student's performance or medical condition warrants such an exception (included, but not limited to 5th year students or special health circumstances that preclude attending school for a full day). These requirements include:

9th & 10th grade students must take 7 credits

11th grade students must take 6 credits

**Students that enter 11th grade with less than 14 credits are required to take 7 credits.*

12th grade students must take 5 credits

**Students that enter 12th grade with less than 20 credits are required to take 6 credits.*

CREDIT RECOVERY & SUMMER SCHOOL

At PHS we offer an after-school credit recovery program. Students may also seek out summer school opportunities at other accredited schools, but must ensure that they are an approved institution through their School Counselor prior to the end of the school year. With both options, students are eligible to recover up to two credits a year. Courses must be required for graduation where the final grade during the school year was a 50 or higher. Students are encouraged to speak with their School Counselor regarding possible credit recovery of summer school credit opportunities. Eligibility to participate in these programs at PHS may vary and there is no guarantee that a specific course will be available in either credit recovery or a summer school.

MARKING SYSTEM

A letter marking system is used at PHS. The 4.0 scale below is used to calculate Grade Point Average (GPA).

Letter Grade	100 Point Scale Equivalent	4.0 Point Scale Equivalent
A+	95 - 100	4.5
A	90 - 94	4.0
B+	85 - 89	3.5
B	80 - 84	3.0
C+	75 - 79	2.5
C	70 - 74	2.0
D	65 - 69	1.0
F+	50 - 64	0
F	< 50	0
W F/P	Withdraw Fail/Pass	0
P	Pass	Not Reported
AUD	Audit (<i>No Credit</i>)	Not Reported
M	Medical Excuse (<i>No Credit</i>)	Not Reported
I	Incomplete (<i>Requires prior administrative approval.</i>)	

PROGRESS REPORTS

Progress Reports are available for on-line viewing midway through each academic quarter.

GRADE WEIGHTING PROCESS

A cumulative, non-weighted GPA of **all** the student's courses will be computed. For the weighted GPA, those courses that are leveled (as described in the next section) will have level factors assigned to them: 2=Academic, 3=ECE/Honors and 4=AP. A student's weighted GPA average level factor will be computed and then added to the unweighted-GPA of all courses. For instance, a student might have an unweighted GPA of 3.3, and be taking a mix of academic level and honors level courses with an average weighted level factor of 2.8. The weighted GPA is then 6.1. Students who transfer to PHS will receive credit for courses previously taken. Only courses completed at PHS will be included in a student's official GPA. Students must attend PHS for more than two years to have courses at PHS included in their weighted GPA. Class rank is calculated based on weighted GPA of completed courses through seven semesters based on their original graduation cohort. Students are able to request their rank during the fourth quarter of their senior year.

COURSE LEVELS

Courses that are leveled are listed in the description. The three levels include Academic, ECE/Honors, and Advanced Placement (AP). The prime difference between "levels" is that of breadth and scope of coverage and the pace of the class. In courses that have multiple levels, placement will be determined by the student's record, teacher recommendation and achievement data. The grade weighting system assigns more quality points depending on the level. Students are moved from one level to another when evidence shows such a move to be in the student's best interests. Parents who object to a student's placement must follow proper procedures, including speaking with the recommending teacher and completing an override form.

SENIOR YEAR EXPERIENCE

During their Senior year, students will work independently to complete their mastery-based diploma assessment. This is a culminating project that is selected by the student. It is designed to be a representation of the transferable skills that a student has learned throughout their time at PHS. It should represent an interdisciplinary project-based learning. Students may choose from one of three pathways including a field experience/job shadowing opportunity, an extension of community service with a demonstration of leadership within that organization, or a special interest project. Successful completion of this experience will be required for graduation. Students will also use Advisory lessons to gauge their progress as detailed below:

- Students will begin working on their proposals during Advisory lessons in the second semester of their Junior year. Students may not begin working on the project until their proposal has been approved.
- Students may submit their proposals at the start of the second semester of their Junior year, however they are required for all students at the end of their Junior year. The projects should reflect the students' passions and dedication to the larger school community.
- During the first quarter of Senior Year, students will work during advisory on producing an abstract and introduction to their project.

- During the second quarter advisory lessons, students will produce a review of research on the project they have chosen.
- During the third quarter, students will showcase their findings and report that out to the staff at PHS through an in person presentation.
- During their final quarter, students will produce the conclusion to their SYE project and submit their final reflection paper to the SYE Committee for review and completion of their SYE Assessment.

COMMUNITY SERVICE

Civic responsibility is a focus of both our School Counseling and Advisory curricula. Students are expected to complete 5 hours of community service each school year for a total of 20 hours throughout four years. This requirement will be documented through a student’s advisory class by allowing an opportunity for students to share their experiences with their peers. Students may use hours that are also being used for another club or organization, but will be required to turn in the appropriate forms. The hours may be completed at one time or over multiple opportunities. Students will receive credit for their hours upon completion of the reflection activity in Advisory at the end of each school year. Successful completion of these hours and the reflection activity will be required for graduation. Students moving into the district after their 9th grade year will only be required to complete the yearly amount of hours that they attend PHS. (*For example, a student transferring in to PHS during their 11th grade year will be required to complete 5 hours per year for a total of 10 hours.*)

HONOR ROLL REQUIREMENTS

HIGH HONORS - Requires a grade point average (GPA) of 3.7 for the quarterly marking period with no one grade lower than a B.

HONORS - Requires a grade point average (GPA) of 3.2 for the quarterly marking period with no one grade lower than a C.

Please see Student and Parent Handbook for calculations.

HONOR SOCIETIES

At Pomperaug High School we are proud to have many Honor Societies that students can apply for membership. These include:

- National Honor Society
- Art National Honor Society
- English National Honor Society
- French National Honor Society
- History National Honor Society
- Math National Honor Society
- Tri-M Honor Society (Music)
- Science National Honor Society
- Spanish National Honor Society

Honor societies recognize students in a variety of ways based on their strengths. For questions regarding advisors or qualifications, please speak to your student’s School Counselor.

SEAL OF BILITERACY

The Seal of Biliteracy recognizes students who have studied and attained a high level of proficiency in English and one or more languages by high school graduation. Students work towards the seal throughout high school. The Seal of Biliteracy highlights second language ability as a key 21st Century Skill in college, career, and life. Achievement reflects the student's ability to strengthen intergroup relationships, affirm the value of diversity, and honor the multiple cultures and languages of a community. Recognition of this achievement will be identified on a student's diploma and their final transcript.

Seniors are eligible to apply who have or will fulfill all English Language Arts requirements for graduation and are enrolled in AP World Language coursework or who have shown proficiency in the following manner. Eligible Seniors must either successfully pass the AP language test in any language with a score of 3 prior to their Senior year or show successful proficiency on the AAPPL for their specific language of study. Applications will be reviewed by the Principal and the World Language Instructional Teacher Leader.

STUDENT HOMEWORK

The ability to work successfully without supervision is an important attribute that a student can offer employers or college admission officers. Independent study, by means of both short-term and long-term assignments, becomes a valuable preparation for the more rigorous requirements of the curriculum at college.

Homework is viewed as an integral part of the school program. The classroom remains as the primary instructional center in the school system. Each student should seek to use the allotted classroom time and available school facilities to the fullest extent possible. Homework is a necessary and effective means of augmenting the classroom learning experience. Homework also provides an opportunity for independent study. The needs of the individual student or group should determine the type, frequency, and quantity of homework assigned. Homework should not require additional instruction beyond the classroom.

Students should expect to engage in approximately one to three hours of homework per night. This may include, but are not limited to:

- Reading assignments
- Reviewing reading assignments
- Taking notes on reading assignments
- Reading class notes
- Reviewing and rewriting class notes
- Writing assignments
- Rewriting assignments after initial teacher correction
- Problem sets
- Projects
- Studying for exams
- Vocabulary improvement
- Extra reading and reading for pleasure
- Worksheets

TECHNOLOGY INTEGRATION

Pomperaug Regional High School believes strongly in the integration of computer and other related electronic applications into all levels of the academic program. Each of the departments urges and, in some cases, requires students to use a variety of technology applications. These expectations and requirements will take various forms based on the course and curriculum. PowerSchool and Google Classroom are primary resources used throughout all content areas.

COURSE SELECTION & REGISTRATION

REGISTRATION PROCEDURES

The Program of Studies will be distributed early in the second semester. Course registration will occur online through PowerSchool. Parents are encouraged to review their child's choices. During the second semester, the student and counselor will review the courses requested. Courses with insufficient enrollment will be cancelled.

Once schedules have been issued, changes in courses based on preferences cannot be made. Course requests after the registration window has closed and prior to schedules being issued will be placed on a waitlist for that course. Students must meet with their Counselor to be added to this waitlist. There is no guarantee that space will open in the course and students on the waitlist will be given priority on a first come first serve basis.

COURSE WITHDRAWALS, LEVEL CHANGES, & ADDITIONS

No student may withdraw from a scheduled course without an appropriate form signed by the classroom teacher, the student's parents, and the counselor. These forms are available in the Counseling Office. The window to withdraw from a course is 24 total school days from the start of the course. Withdrawals that occur within this approved window will carry no academic penalty and will not be reflected on a student's transcript. After the 24 total school-day time period a student who withdraws from a course will receive a mark of Withdrawal Failure or Pass (*W F/P depending on their grade at time of withdrawal*) on the transcript. A WP will not be reflected within the GPA. A WF has the same effect as any other failure on class standing and GPA. No student may withdraw from a scheduled course without an appropriate form signed by the classroom teacher, the student's parent and the student. These forms are available in the Counseling Office and must be returned to the counselor for any change to be made. Students will not be permitted to withdrawal from a class if it results in a student carrying less than the required number of courses.

Students may add a course only when they have a free period and meet all prerequisites. The window to add a course is 12 total school days from the start of the course. Course selection is based on availability and meeting graduation requirements. Students and parents are advised to plan their schedules appropriately during course registration to avoid the necessity of changing classes during the school year. Teacher recommendations play an important role in this process and it is recommended that they are used as the primary driver during the course registration process.

The decision to change a level in a course must be carefully considered and approached with caution. Students who struggle academically are encouraged to meet with their teachers for remediation and support. If these interventions are ineffective it may be necessary for the student to drop down a level if there is a course available. This process requires the approval of the teacher, the counselor and a parent. Students are not eligible to move up a level after the add/drop window (24 total school days from the start of the course). Students should be aware that level changes are not always possible due to scheduling constraints or when multiple levels of a course are not available. When a course level change is approved, the grade from the previous course will transfer to the new course. **For a level change to not be reflected on a transcript it must be made within 5 days of the first quarter grades being posted and are only available if the exact course is being taught at a different level.** It is recommended that only students achieving below a 70 average will be considered for a level change.

Level changes made after 5 days of Q1 grades being posted will be reflected on a students transcript as follows:

- Students achieving a passing grade in the level they are moving from will receive a WP for the course on their transcript.
- Students achieving a failing grade in the level they are moving from will receive a WF on their transcript.
- The grade from the original course will still follow the student to the new course.

A student going through the process of dropping or adding a course may not stop going to class and/or start going to another class until the appropriate form is signed by all parties and the counselor personally informs the student that the change has been finalized in PowerSchool.

PREREQUISITES AND SEQUENCING

Prerequisites are required for many courses. The scope and sequence must be followed per the course descriptions. It is possible to double-up on some courses that are co-requisites upon the recommendation of the teacher and counselor.

COURSE AUDIT

Auditing a course allows a student a no-risk chance to learn for their own growth and pleasure. Although students receive no academic grade or quality points in their GPA, they are required to participate in all course activities. An audited course can only be taken as an addition to the required course load and is not included in the credits required for graduation. Students cannot audit a course at the same time they are taking the same course for credit or before they take a course. Students who do not follow all class academic, attendance, and behavioral expectations may be removed from the course at the discretion of administration. For students who adhere to the attendance requirements as stated in the student handbook, the course will be added to his/her transcript as an AUD or audit and will not impact GPA. Students must register for a course within the same add/drop window (24 total school days from the start of the course).

INDEPENDENT STUDY

Independent Study is a self-directed learning activity. Subjects for Independent Study are those which are either not offered in the current Master Schedule or available for a student. Since Independent Study is an informal approach to learning, students must be highly motivated. Students assume the responsibility for their learning, and must possess the initiative, persistence, energy, and curiosity to carry the task to completion. An important aspect of the Independent Study Program is the one-to-one relationship that develops between the student and the advisor, who serves as a mentor for the project. All Independent Study contracts are subject to approval by the principal and must be turned in within the add/drop window (24 total school days from the start of the course). An Independent Study does not count as one of required credits in a student's course load. Grades are Pass/Fail and cannot be considered for honor roll calculation. A student can only have one Independent Study per semester of a school year. The credit will show on the transcript but cannot count towards graduation requirement. The final grade and credit will be issued at the end of the successful completion of the Independent Study.

Students must complete all necessary applications (from the School Counseling Office) in order to be considered for an Independent Study.

CAREER PATHWAYS

Our goal at PHS is to prepare all students for their post-secondary plans, including two year and four year colleges, vocational and technical schools, entering the military, or joining the world of work. A key component in this preparation includes choosing the correct courses based on individual interests. We have designed the following Courses to Career Guide to assist students and families during the course registration process.

In this document you will find a brief description of each of the 16 Career Clusters found in the National Career Clusters Framework. A Career Cluster is a group of careers that require the same types of knowledge and skill sets. We have listed examples of careers within each cluster as well as our PHS elective offerings that align with each cluster. Please note, this guide should be used as a resource and is not intended to be a prescriptive list of courses a student should take. We highly encourage students to take electives that align with their potential major or career interests prior to graduating high school. This will allow students to confirm their interest or realize that they may not enjoy the intended area of study. High School is a safe place to explore all areas of interest prior to choosing a post-secondary pathway.

Want to learn more? SchoolLinks, our new college and career planning platform, has a wonderful video series including information about each cluster and specific majors. As always, please see your school counselor with any questions or stop by the Career Center for help!

VIRTUAL HIGH SCHOOL

Pomperaug High School is participating in a Virtual High School collaborative which offers over 130 on-line courses. These may be taken to enrich a student's educational experience and to complete a program of studies in courses that are not currently offered at PHS. VHS courses will not count as a course required for students to be full-time students or graduation requirements.

However, students will receive a letter grade that will be used in both GPA and honor roll calculations. Students who enroll in on-line courses must demonstrate independent learning skills and have an aptitude for technology. **Limited spaces for these courses exist.** Please see your counselor if you are interested. The PHS Coordinator is Charlie Vlahos in the CTE Department. The rules that govern course withdrawals apply to VHS courses; i.e. a **WF will be issued** if the VHS course is not dropped within the add/drop window (24 total school days from the start of the course).

ONLINE COURSE CREDIT

Online course work that is not associated with VHS will not result in students receiving PHS course credit or appear on a student's PHS transcript. A student must receive prior approval from the Department Chair and Principal before registering for an online or non-PHS course other than VHS if they are intending for the course to impact areas such as placement, enrichment, etc.



PHS Student Rebecca Bang 2020

ENGLISH

The Pomperaug High School English program is designed to foster students' skills and engagement in the areas of reading, listening, viewing, writing, and speaking. These receptive and expressive skills cross genres and require students to have control over their understanding and use of language. Students will read fiction and nonfiction each year, exploring classic as well as modern literature. They will practice the skills of literary analysis and reading for information while furthering their appreciation of literature and of well-written texts. Throughout their four years of English, students will write clearly, effectively and confidently, for a variety of purposes and in narrative, informative, and argumentative modes. As part of the learning process, students will set literacy-based goals and reflect upon their progress throughout the year.

ENGLISH I - 1012

1 year, 1 credit

Freshman year is naturally a year for discovery. Students face a new environment, new challenges and new expectations. Students in freshman English will focus on a wide range of genres and forms, both as readers and writers, for the purpose of exploring who they are as consumers and producers of text. Through an inductive approach based on detailed observation of shared mentor texts, students will discuss and write about our common human experiences and their own individual identities. Students will read several classic works of literature and also engage in choice reading.

ENGLISH I HONORS - 1011

1 year, 1 credit

Prerequisite: Recommendation of 8th Grade English Teacher

Freshman year is naturally a year for discovery. Students face a new environment, new challenges and new expectations. Students in freshman English will focus on a wide range of genres and forms, both as readers and writers, for the purpose of exploring who they are as consumers and producers of text. Through an inductive approach based on detailed observation of shared mentor texts, students will discuss and write about our common human experiences and their own individual identities. Students will read several classic works of literature and also engage in choice reading.

The Honors program for English is more rigorous, incorporating more reading and writing as students explore literature on a deeper, more critical level. Students will work independently and collaboratively. Students taking these level courses have an interest in reading, writing, listening and speaking.

ENGLISH II - 1022

1 year, 1 credit

Prerequisite: English II

The literary emphasis of English II is a broad-based study of World Literature and authors. The required works cover a variety of genres including: novel, poetry, drama, short story and

film, some of which are presented in English translation. These works range from classical epics to contemporary plays and are intended to encourage students to view the world from varied cultural perspectives. Many of the reading and writing assignments are designed to reflect important literacy skills. Expository, analytical and research-based writing assignments, such as the Independent Poetry Project, predominate, although some narrative and personal connection pieces are also included.

ENGLISH II HONORS - 1021

1 year, 1 credit

Prerequisites: English I & Recommendation of English I Teacher

The literary emphasis of English II is a broad-based study of World Literature and authors. The required works cover a variety of genres including: novel, poetry, drama, short story and film, some of which are presented in English translation. These works range from classical epics to contemporary plays and are intended to encourage students to view the world from varied cultural perspectives. Many of the reading and writing assignments are designed to reflect important literacy skills. Expository, analytical and research-based writing assignments, such as the Independent Poetry Project, predominate, although some narrative and personal connection pieces are also included.

The Honors program for English is more rigorous, incorporating more reading and writing as students explore literature on a deeper, more critical level. Students will work independently and collaboratively. Students taking these level courses have an interest in reading, writing, listening and speaking.

ENGLISH III - 1032

1 year, 1 credit

Prerequisite: English II

To examine the role of language in a democracy, instruction in this course will focus on the transformative power of American voices, specifically through studies of: “Voices from the American Edge,” “Conflicting American Voices,” “Opportunity and the American Voice,” and “The Reliability of American Voices.” Students will be taught to make meaning out of a variety of texts, both written and visual, from across the spectrum of American literature. The course includes an emphasis on developing students’ research skills for success in the inquiry-based learning environment of the 21st century.

ENGLISH III HONORS - 1031

1 year, 1 credit

Prerequisites: English II & Recommendation of English II Teacher

To examine the role of language in a democracy, instruction in this course will focus on the transformative power of American voices, specifically through studies of: “Voices from the American Edge,” “Conflicting American Voices,” “Opportunity and the American Voice,” and “The Reliability of American Voices.” Students will be taught to make meaning out of a variety of texts, both written and visual, from across the spectrum of American literature. The

course includes an emphasis on developing students' research skills for success in the inquiry-based learning environment of the 21st century.

The Honors program for English is more rigorous, incorporating more reading and writing as students explore literature on a deeper, more critical level. Students will work independently and collaboratively. Students taking these level courses have an interest in reading, writing, listening and speaking.

AP ENGLISH LANGUAGE & COMPOSITION - 1391

1 year, 1 credit

Prerequisites: Recommendation of English II teacher and completion of summer reading task

This course meets the English III requirement for students. This course is designed to prepare students for the AP Language and Composition exam and help students gain college level skills. The goal of this course is to develop the students' awareness of language and to sharpen their skills in effective writing and critical reading. Students will develop individual styles adaptable to different occasions for writing in college. Students will hone writing and reading skills for critical analysis of a variety of prose.

CREATIVE WRITING - 1020

½ year, ½ credit

Open to students in grades 9-11.

This course is a writer's workshop in which students will create poetry, short stories, memoir and nonfiction. As authors, students apply their skills to real world opportunities such as publication in local newspapers, literary journals, internet magazines and poetry contests. *This course does not count towards the English graduation requirement.*

ESSENTIALS OF ENGLISH I-IV – 1005,1006,1007,1008

1 year, 1 credit

Prerequisite: Teacher Recommendation

These courses are specially designed to meet individual student needs as they relate to English language construction and composition. The literature focus will require students to read various texts as they learn the importance of making inferences in order to understand larger ideas within the appropriate context of the overarching author's purpose. Students will focus on learning the structures of writing and using critical thinking strategies to compose their thoughts appropriately. These courses meet the appropriate grade level English Graduation Requirements.

SENIOR YEAR ENGLISH

Students will complete their senior year requirements in English by enrolling in coursework that follows one of two pathways:

1) Seniors enroll in a full year course of AP Literature and Composition. Students may also enroll in English electives depending on their interest and schedule.

2) Seniors will enroll in two 1/2 credit elective courses to earn their English IV credit. They will take one course per semester. Although each elective will have a different content focus, all of the electives will address a common list of standards, provide an equivalent level of rigor, and require students to complete similar types of major assessments. Therefore, if a student fails his first-semester elective he will have the option to recoup the 1/2 credit by taking an additional elective in the second semester. Students must pass two English IV electives in order to earn the final English credit they need to graduate. During course registration, students will select course options that most appeal to their interests. Once schedules are released, students will not be able to change their assigned courses. These electives are open to all Seniors and Juniors may enroll depending on availability and the permission of the Department Chair.

AP ENGLISH LITERATURE & COMPOSITION - 1491

1 year, 1 credit

Prerequisites: Recommendation of English III teacher and completion of summer reading task

This course is designed to prepare students for the AP Literature and Composition exam and help students gain college level skills. The historical growth of literary genre, the refinement of analytical techniques, and the development of expository writing skills are stressed. Students are required to complete challenging reading assignments, participate in class discussions, and complete weekly written assignments. Close textual analysis and library research are the major format of the class.

ART OF THE STORY - 1056

½ year, ½ credit

This course explores the story as told on the page and on the screen. Students will analyze literature through close reading focusing on key elements of fiction. Students will also compare the effects of moving the story from the page to the screen, including its impact on appeal and intent. Areas of focus include but are not limited to characterization, plot (conflict), setting, symbolism, and authorial (directorial) decisions, cinematic techniques as a means of conveying a story in both written and visual media. The course explores the written and the visual as different forms of media, operating in dissimilar ways and producing various kinds of artistic effects, as narrative forms of communication. Utilizing the skills necessary to critically read and analyze texts and films, students evaluate the effectiveness of adaptations in conveying meaning.

AUTHENTIC LITERACY - 1059

½ year, ½ credit

This course will replicate reading and writing activities that occur outside of the academic world. All graduates, regardless of their college or career pathways, will benefit from intensive and focused study of real world literacy skills. Students will continue to develop personal inquiry skills and how to locate, analyze, and synthesize information. Students will discover different methods of communication in professional settings versus traditional academic

settings. Students will develop awareness of media influence and learn how to access, evaluate, create, and manipulate digital sources. Students will think critically and recognize when additional information is needed to solve a problem and identify the ways in which adults find, evaluate, and use the needed information. Lastly, students will enhance their knowledge of cultural and social understanding in a diverse world. Students should expect to read a variety of fiction, nonfiction (magazines, newspapers, legal contracts, manuals, etc.), and digital sources (blogs, social media, databases). Students will write authentic pieces which mimic what they can expect to write in the adult world.

CONTEMPORARY ISSUES - 1061

½ year, ½ credit

Contemporary Issues will seek to build foundational knowledge of several current issues within our society. Utilizing nonfiction articles and texts, memoirs, and fiction, students will explore why controversy exists as they grow to understand why people feel the way they do about current topics. By focusing on differing views, students will need to think critically about current belief systems in the United States and worldwide. As a class, we will develop discussion skills and learn to isolate and understand bias in news articles and case studies. Students will ultimately formulate their own opinions regarding the issues which ties to the development of global citizenship and the Social Studies electives courses.

CRIMINAL JUDGEMENTS HONORS - 1058

½ year, ½ credit

Ever since Edgar Allan Poe published the first detective story in 1841, American readers have been obsessed with solving literary mysteries. Crime fiction and true crime are, in fact, among the most popular genres around the world. How do we explain this fascination we have with crime, criminals, and the investigators who pursue them? What makes the best crime stories so compelling, and how authentically do they reflect the actual work of crime investigators? This course will take students on a suspenseful journey to answer these questions through careful examination of source readings in psychology, criminal justice, and, of course, crime fiction itself. As this is an honors course, students will be expected to read, write, critically think, present, and engage in verbal discourse with a high level of interest and sophistication, both in independent and collaborative contexts.

GENDER STUDIES IN LITERATURE - 1053

½ year, ½ credit

This course explores societal and cultural expectations, perceptions, and stereotypes as they pertain to the roles of gender. Students will examine gender, ultimately situating it within contemporary society—viewing gender as a cross-cultural and global landscape where identities are relational, institutional, and continually shift through social constructs.

JOURNALISM HONORS - 1057

½ year, ½ credit

We live in a rapidly evolving world. Now more than ever before, journalists are needed to help the public navigate the increasingly complex media waters. Journalism provides foundational skills, techniques, and knowledge for those interested in writing and generating content in the exciting world of multimedia news broadcasting.

PHILOSOPHY AND NARRATIVE - 1049

½ year, ½ credit

In this course, students will reflect critically on a number of diverse philosophical approaches for understanding the world around them. They will consider the role and nature of knowledge in their own culture and in cultures around the world. Students will study a number of philosophical perspectives and then explore the different interpretations that can be formed when these perspectives are used as lenses for understanding the actions and decisions of characters portrayed in film and literature.

PUBLIC SPEAKING - 1016

½ year, ½ credit

Public Speaking is a course that focuses on the elements and processes of oral communication: the connection between listening and speaking; the use and techniques of the voice; standard spoken English; forms of oral interpretation and presentation; and varieties of speech acts, group or individual. The control of one's speech is a valuable skill in modern American society. Among the goals and objectives of this course is that the students will gain some measure of vocal control, leading to increased verbal self-confidence and the ability to express themselves and their ideas clearly in a public speaking venue. Special features of the syllabus may include constructing and delivering a speech, group presentations, listening, parliamentary procedure and terms, persuasive speaking, choral speaking, making a proposal, preliminary debate, and the art of constructive criticism.

SCIENCE FICTION: THE HUMAN MIND & THE MODERN WORLD - 1048

½ year, ½ credit

What is the role of science fiction in predicting and inspiring scientific and technological innovation and invention? Can science fiction accurately predict the future? In this course, students will read classic and contemporary works of science fiction and examine the accuracy and impact these works have had on technological advancements. Students will also produce original works of fiction that focus on a chosen scientific or technological development.

SOCIAL STUDIES

In social studies, students learn about themselves and the world in which they live. The world today has been determined by past events and tomorrow's world will be the result of what we are doing today. Therefore, the knowledge, skills and concepts acquired in the social studies help students understand how they can direct their lives by understanding why things are the way they are. A major emphasis of social studies today is recognition that the world is becoming increasingly interdependent economically, politically and socially. Another characteristic of the social studies program is skill development in decision-making and problem-solving. Students will analyze and form opinions about events and issues, use acquired knowledge and concepts, and hypothesize about new situations. As part of the three and one-half social studies credits required for graduation, students must pass Global Studies, United States History and minimally a half year course related to civic education.

GLOBAL STUDIES - 2017

1 year, 1 credit

Global Studies will examine events, people, and places through the lenses of nationalism and imperialism. The goal is to discover and try to understand how these forces have influenced the past and how they relate to global issues today. Understanding and respecting the many cultures in the world will be the main emphasis of this course.

GLOBAL STUDIES HONORS - 2018

1 year, 1 credit

Prerequisite: Recommendation of 8th Grade Social Studies Teacher

Global Studies will examine events, people, and places through the lenses of nationalism and imperialism. The goal is to discover and try to understand how these forces have influenced the past and how they relate to global issues today. Understanding and respecting the many cultures in the world will be the main emphasis of this course. The honors program for social studies follows the same curriculum content as academic courses. The honors level requires students to demonstrate strong critical thinking, reading and writing skills as they work more independently on major projects, and to analyze primary sources on a deeper level.

UNITED STATES HISTORY - 2032

1 year, 1 credit

Prerequisite: Global Studies

Students will study the United States from our colonial beginnings to the present. Economic, geographic, political and social factors in our history will be covered. The development of what, why, and how the United States has become what we are today will be emphasized. This includes the study of our national beliefs, goals, values and cultural heritage.

UNITED STATES HISTORY HONORS - 2031

1 year, 1 credit

Prerequisite: Global Studies

Students will study the United States from our colonial beginnings to the present. Economic, geographic, political and social factors in our history will be covered. The development of what, why and how the United States has become what we are today will be emphasized. This includes the study of our national beliefs, goals, values and cultural heritage. The honors program for social studies follows the same curriculum content as academic courses. The honors level requires students to demonstrate strong critical thinking, reading and writing skills as they work more independently on major projects, and to analyze primary sources on a deeper level.

ESSENTIALS OF SOCIAL STUDIES I-II - 2005,2006

1 year, 1 credit

Prerequisite: Teacher Recommendation

These courses are specially designed to meet individual student needs as they relate to studies in both World and United States History. The content is focused on ensuring that students have the skills necessary to process events that have occurred as they relate to both the appropriate time period involved, as well as how they impact current world events. Students will focus on learning strategies that allows for them to develop a greater world view with the historical context of the course. These courses meet the graduation requirement for World History (9th grade) and US History (10th grade).

AP UNITED STATES HISTORY - 2091

1 year, 1 credit

Prerequisite: Recommendation of Social Studies teacher. It is recommended that students have been enrolled in an honors level course in social studies the previous year.

This course is designed to prepare students for the AP U.S. History exam and help students gain college level skills. The content will be much the same as that in United States History but more emphasis will be placed on analysis, expository writing, and primary source readings. Students will be required to complete such activities at a college pace. This course is open to students who have completed the first two years of the social studies program.

PRACTICAL LAW - 2042

½ year, ½ credit

*Open to seniors, juniors and *sophomores.*

This course is an introduction to law and the American legal system, criminal and juvenile justice, and individual rights and liberties. The course will utilize case studies, problems, role playing, clarification strategies, and legal documents to develop law-related skills. The basic materials for this course were developed by the National Street Law Institute of the Georgetown University Law Center.

*Sophomore pre-requisite: B+ average or better in Global Studies and teacher recommendation. **This course meets the requirement for a 1/2 credit in civic education.**

PARTICIPATORY CIVICS - 2432

½ year, ½ credit

*Open to seniors, juniors and *sophomores.*

This half year course is required by the State of Connecticut. It will discuss the current issues in national and local governments, review the basic framework of American government, and allow opportunity for hands on activities which will prepare students for active participation in their roles as citizens.

*Sophomore pre-requisite: B+ average or better in Global Studies and teacher recommendation. **This course meets the requirement for a 1/2 credit in civic education.**

SOCIAL STUDIES ELECTIVES

AFRICAN AMERICAN/BLACK AND PUERTO RICAN/LATINO STUDIES - 2057

1 year, 1 credit

The course is an opportunity for students to explore accomplishments, struggles, intersections, perspectives, and collaborations of African American/Black and Puerto Rican/Latino people in the U.S. Students will examine how historical movements, legislation, and wars affected the citizenship rights of these groups and how they, both separately and together, worked to build U.S. cultural and economic wealth and create more just societies in local, national, and international contexts. Coursework will provide students with tools to identify historic and contemporary tensions around race and difference; map economic and racial disparities over time; strengthen their own identity development; and address bias in their communities.

CONVERSATIONS ON RACE - 2047

½ year, ½ credit

Open to juniors and seniors. Sophomores may enroll with a recommendation from a Social Studies teacher.

Students in conversations on Race will explore the role that perspective plays in shaping opinion, examine the historical aspects of race in the United States and investigate and create

a plan for racial healing. Students will be actively engaged in learning why and how significant issues regarding race manifest themselves in our modern society. Students will explore how personal experience and perspective lead to explicit bias and the implications of those processes. Students will map their expectations and challenge them by participating with a more urban school in the state in a day experience where they compare their experience with their preconceived expectations and attitudes.

HUMAN RIGHTS - 2048

½ year, ½ credit

Open to juniors and seniors. Sophomores may enroll with a recommendation from a Social Studies teacher.

Students in Human Rights will examine the history of human rights and the Declaration of Human Rights, explore national and international human rights violations and case studies and investigate how human right violations have been addressed and explore ways in which they can help to educate others and or take action. The course will provide historical background on the history of human rights, with a particular emphasis on universal human rights in the modern world. Students will be asked to think about and critically examine the way in which human rights have been defined over time and throughout the world. Students will examine some of the more serious violations of human rights that have been occurred in the past, as well as the present day.

GLOBAL PROBLEM SOLVING - 2046

½ year, ½ credit

Open to juniors and seniors. Sophomores may enroll pending permission of the Chair.

Students in Global Problem Solving will be actively engaged in learning how significant world issues manifest themselves on the local level, and then planning and implementing a high impact service-learning project. The course will be divided into two experiences. The first part of the course will be based on the analysis of a global problem using a Systems Thinking Approach. Students will evaluate the effectiveness of governments, non-governmental organizations, and nonprofits in addressing this problem. The second part of the course will be inquiry-based. Students will work in small groups to evaluate a global problem at the local level, and design and implement a plan to create sustainable change.

PSYCHOLOGY - 2038

½ year, ½ credit

Open to sophomores, juniors, and seniors.

This course introduces some of the major principles and concepts of psychology as applicable to today's society. Students will draw connections between these concepts and their everyday lives. Topics will include states of consciousness, personality theory and development, adolescent psychology, stress, emotions, social theories, and careers in psychology. Students are expected to actively participate in class discussions and do research on chosen topics. An attempt will be made to respond to the issues presented by the class.

SOCIOLOGY - 2226

½ year, ½ credit

Open to sophomores, juniors, and seniors.

Students will be introduced to the sociological study of society. Sociology focuses on the systematic understanding of social interaction, social organization, and social change. Students will explore the major themes in sociological thinking that include the relationship between the individual and society, how society is both stable and changing, and the causes and consequences of social inequality. Understanding sociology helps discover and explain social patterns and see how such patterns change over time and in different settings.

WORLD GEOGRAPHY - 2029

½ year, ½ credit

Open to sophomores, juniors, and seniors.

Students will be introduced to geographic thinking and knowledge of the geography of specific regions around the world. In particular, students will take a look at how land, resources and climate have shaped societies and how people have adapted to and altered the Earth's features to suit their needs. Students will utilize geographic resources, inquiry, research and technology to ask and answer geographical questions to develop a better understanding of the course's key elements.

AP PSYCHOLOGY - 2391

1 year, 1 credit

Prerequisite: Recommendation of Social Studies teacher. It is recommended that students have been enrolled in an honors level course in social studies the previous year.

This course introduces some of the major principles and concepts of psychology as applicable to today's society. Students will draw connections between these concepts and their everyday lives. Topics will include states of consciousness, personality theory and development, adolescent psychology, stress, emotions, social theories, and careers in psychology. Students are expected to actively participate in class discussions and do research on chosen topics. This course is designed to prepare students for the AP Psychology exam and help students gain college level skills.

AP EUROPEAN HISTORY - 2191

1 year, 1 credit

Prerequisite: Recommendation of Social Studies teacher. It is recommended that students have been enrolled in an honors level course in social studies the previous year.

The study of European history since 1450 introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. In addition to providing a basic narrative of events and movements, the goals of the AP Program in European History are to develop (a) an understanding of some of the principal themes in modern European History, (b) an ability to analyze historical interpretation, and (c)

an ability to express historical understanding in writing. This course is designed to prepare students for the AP European History exam and help students gain college level skills.

AP MACROECONOMICS - 2491

1 year, 1 credit

Prerequisite: Recommendation of Social Studies teacher. It is recommended that students have been enrolled in an honors level course in social studies the previous year.

Students will learn to think like economists - to question, to evaluate marginal costs and marginal benefits, to explore the many ways that one action will cause secondary actions. The course will provide students with an understanding of the impact of monetary and fiscal policies on economic growth, and will include case studies, graphical analysis of macroeconomic concepts and real-life application of macroeconomic concepts. A.P. Macroeconomics will emphasize the study of national income, economic performance measures, economic growth and international economics. The aim of this course is to provide the student with a learning experience equivalent to that obtained in a typical college level introductory course. This course is designed to prepare students for the AP Macroeconomics exam and help students gain college level skills.

AP U.S. GOVERNMENT AND POLITICS - 2291

1 year, 1 credit

Prerequisite: Recommendation of Social Studies teacher. It is recommended that students have been enrolled in an honors level course in social studies the previous year.

This course covers politics and government in the United States and other nations, as well as general concepts used to interpret American and international politics. The primary focus is upon topics including the Constitution, Political Behavior, Political Institutions, Public Policy and Civil Rights and Liberties. It requires familiarity with the various institutions, beliefs, and ideas that define American and international politics. Current and historical events are woven into this framework. Students may be given optional summer or pre-course readings. **This course meets the Civics graduation requirement.**



PHS Student Rebekah Lama 2020

WORLD LANGUAGES

The study of world languages is the link that connects people to a living present and an historical past. Language and communication significantly shape and bring meaning to the human experience. Through the study of language students can become active participants in our interconnected world. World language acquisition is an essential component of a quality education and at the core of becoming an “educated” individual. The personal enrichment students gain from learning another language or languages helps cultivate individuals who can better appreciate and integrate with our diverse world, as we compete in the 21st century.

FRENCH I - 3012

1 year, 1 credit

Prerequisite: None

This course is intended for beginners, as well as students who have taken French but have not mastered the basic skills. Each unit revolves around a theme, such as school, family, preferences and interests, which is fundamental to basic conversation. The behaviors, values and beliefs of the people in the Francophone countries are an integral part of the language experience. This course presents and practices the language skills typical of the novice level. Students will be expected to perform in both a written and oral manner and demonstrate listening and reading comprehension skills. Francophone cultural aspects are part of each unit of study. The AAPPL (Assessment of Performance towards Proficiency in Language) standardized formal speaking assessment will be given once during the year.

FRENCH II - 3022

1 year, 1 credit

Prerequisite: Successful completion of French I. A minimum grade of C is recommended.

The curriculum builds on French I and is more rigorous. In addition, the course continues to develop proficiency in aural comprehension, speaking, reading and writing. Students will read, hear and view authentic materials as well as communicate in present and past tense modes and with an ever-broadening vocabulary. This course presents and practices the language skills typical of the novice level. Students will be expected to perform in both a written and oral manner and demonstrate listening and reading comprehension skills. Francophone cultural aspects are part of each unit of study. The AAPPL (Assessment of Performance towards Proficiency in Language) standardized formal speaking assessment will be given twice a year.

FRENCH II HONORS - 3021

1 year, 1 credit

Prerequisite: Successful completion of French I. A minimum grade of B+ is recommended. Students should have demonstrated a strong work ethic and exhibited a strong oral competency for the honors level.

The curriculum builds on French I and is a prerequisite for French III Honors. In addition, the course continues to develop proficiency in aural comprehension, speaking, reading and

writing. Students will read, hear and view authentic materials as well as communicate in present and past tense modes and with an ever-broadening vocabulary. Students will be expected to perform in both a written and oral manner and demonstrate listening and reading comprehension skills. Francophone cultural aspects are part of each unit of study. The AAPPL (Assessment of Performance towards Proficiency in Language) standardized formal speaking assessment will be given twice a year.

FRENCH III - 3032

1 year, 1 credit

Prerequisite: A minimum grade of C in French II is recommended.

French III builds upon what was learned in French I and II. French III emphasizes communication in the language, both spoken and written. Students practice conversations and telling stories in the present, past, and future modes as well as skills to help the student be an independent learner of a language. Students will continue to read, hear and view authentic materials. Students are expected to communicate in French, both orally and written on a daily basis. Francophone cultural aspects are part of each unit of study. The AAPPL (Assessment of Performance towards Proficiency in Language) standardized formal speaking assessment will be given twice a year.

FRENCH III HONORS - 3031

1 year, 1 credit

Prerequisite: Teacher recommendation and a minimum grade of B+ in French II H or an A in French II is recommended. Students should have demonstrated a strong work ethic and exhibited a strong oral competency for the honors level.

French III Honors builds upon what was learned in French I and II. This course is more rigorous than the French III Academic. French III emphasizes communication in the language, both spoken and written. Students practice conversations and telling stories in the present, past and future modes as well as skills to help the student be an independent learner of a language. Students will continue to read, hear and view authentic materials. Students are expected to communicate in French, both orally and written on a daily basis. Francophone cultural aspects are part of each unit of study. The AAPPL (Assessment of Performance towards Proficiency in Language) standardized formal speaking assessment will be given twice a year.

FRENCH IV - 331

1 year, 1 credit

Prerequisite: French III Students should have demonstrated a strong work ethic and exhibited a strong oral competency. A grade of C or higher in French III is recommended.

This course reviews and expands upon the production of language through the development of grammatical concepts as well as expansion of vocabulary, by the use of cultural and authentic resources such as stories and media. In addition, students will produce more extensive writing and speaking assessments. At this level, students will mostly communicate in French. Formal and informal presentations are required. The AAPPL (Assessment of Performance towards Proficiency in Language) standardized formal speaking assessment will be given twice a year.

FRENCH IV HONORS - 3041

1 year, 1 credit

Prerequisite: French III teacher recommendation. Students should have demonstrated a strong work ethic and exhibited a strong oral and written competency in French III. A grade of B+ or higher in French III H or an A in French III is recommended.

This course reviews and expands upon the production of language through the development of grammatical concepts as well as expansion of vocabulary, by the use of cultural and authentic francophone resources such as stories and media. In addition, students will produce more extensive writing and speaking assessments. Themes of study included are Contemporary Life and Technology. At this level, students will communicate entirely in French. Formal and informal presentations are required. The AAPPL (Assessment of Performance towards Proficiency in Language) standardized formal speaking assessment will be given twice a year.

ECE FRENCH V

1 year, 1 credit

Prerequisite: French IV and teacher recommendation. Students should have demonstrated a strong work ethic and exhibited a strong oral and written competency in French IV. A grade of B+ or higher in French IV H or an A in French IV is recommended.

Students will be asked to decode and interpret the main ideas and details of authentic francophone resources and to make inferences from them when comparing and contrasting two or more of these sources before completing tasks such as writing an essay or making an oral presentation or completing a project. The above resources will be delivered through various forms of media. Themes of study included are Global Challenges, Identity, and Aesthetics. The AAPPL (Assessment of Performance towards Proficiency in Language) standardized formal assessment will be given twice a year.

AP FRENCH LANGUAGE & CULTURE - 3091

1 year, 1 credit

Prerequisite: Recommendation from FRENCH IV teacher. Students should have demonstrated a strong work ethic and exhibited a strong oral competency. A grade of B+ or higher in French IV Honors or an A in French IV is recommended.

This course is comparable to a third-year university course with emphasis on grammar study, conversation, composition and cultural awareness. The main objective of this rigorous program is to provide opportunities for students to improve their proficiency in written, oral and listening and reading communication. All students in this class are required to work at an AP capacity in preparation for the National AP French Exam taken in May. Students must have a willingness to include diverse perspectives, and a disposition to listen well and learn from others. The AAPPL (Assessment of Performance towards Proficiency in Language) standardized formal assessment will be given twice a year. Students have the potential to earn college credit in this course.

Spanish I - 3112

1 year, 1 credit

Prerequisite: None. Students who earned a C or higher in middle school Spanish I are strongly recommended to take Spanish II.

This course is intended for beginners, as well as students who have taken Spanish but have not mastered basic skills. This course presents and practices the language skills typical of the novice level. Students will be expected to perform in both a written and oral manner and demonstrate listening and reading comprehension skills. Culture aspects are part of each unit of study. The AAPPL (Assessment of Performance towards Proficiency in Language) standardized formal assessment will be given once during the year.

SPANISH I – CULTURAL - 3115

1 year, 1 credit

Prerequisite: Teacher Recommendation

This course is a one-year non-sequential alternative to a traditional Spanish class. It is meant for students who have never taken a World Language. Students will learn basic phrases and vocabulary that pertain to everyday life along with the culture of Spanish and Hispanic cultures.

SPANISH II - 3122

1 year, 1 credit

Prerequisite: Spanish I. A grade of C or higher in Spanish I is recommended.

This course is a continuation of Spanish I and a prerequisite for Spanish III. The curriculum builds on Spanish I and is more rigorous. Students will read, hear and view authentic materials as well as communicate in present and past tense modes and with an ever-broadening vocabulary. Culture continues to be incorporated into the curriculum. Students are expected to communicate in Spanish, both orally and written on a daily basis. Formal and informal presentations are required. The AAPPL (Assessment of Performance towards Proficiency in Language) standardized formal assessment will be given twice a year.

SPANISH II HONORS - 3111

1 year, 1 credit

Prerequisite: Teacher recommendation from Spanish I teacher. Students should have demonstrated a strong work ethic and exhibited a strong oral competency for the honors level. A grade of B+ or higher in Spanish I is recommended.

This course is a continuation of Spanish I and a prerequisite for Spanish III Honors. The curriculum builds on Spanish I and is more rigorous than Spanish II Academic. Students will read, hear and view authentic materials as well as communicate in present and past tense modes and with an ever-broadening vocabulary. Culture continues to be incorporated into the curriculum. Students are expected to communicate in Spanish, both orally and written on a daily basis. Formal and informal presentations are required. The AAPPL (Assessment of

Performance towards Proficiency in Language) standardized formal assessment will be given twice a year.

SPANISH III - 3132

1 year, 1 credit

Prerequisite: Teacher recommendation and a minimum grade of C in Spanish II is recommended.

Spanish III builds upon what was learned in Spanish I and II. Spanish III emphasizes communication in the language, both spoken and written. Students practice conversations and telling stories in the present, past and future modes as well as skills to help the student be an independent learner of a language. Students are expected to communicate in Spanish, both orally and written on a daily basis. Formal and informal presentations are required. The AAPPL (Assessment of Performance towards Proficiency in Language) standardized formal assessment will be given twice a year.

SPANISH III HONORS - 3131

1 year, 1 credit

Prerequisite: Teacher recommendation from Spanish II teacher. Students should have demonstrated a strong work ethic and exhibited a strong oral competency for the honors level. A grade of B+ or higher in Spanish II Honors or an A in Spanish II is recommended.

This course is a continuation of Spanish II Honors and a prerequisite for Spanish IV Honors. The curriculum is based on Spanish I and II and is more rigorous than Spanish III. Students will read, hear and view authentic materials as well as communicate in various tenses and modes and with an ever-broadening vocabulary. Culture continues to be incorporated into the curriculum. Students are expected to communicate in Spanish, both orally and written on a daily basis. Formal and informal presentations are required. The AAPPL (Assessment of Performance towards Proficiency in Language) standardized formal assessment will be given twice a year.

SPANISH IV - 3142

1 year, 1 credit

Prerequisite: Spanish III. Students should have demonstrated a strong work ethic and exhibited a strong oral competency. A grade of C or higher in Spanish III is recommended.

This course reviews previously learned material from prior courses. The focus of the course is to increase production of language through the development of grammatical concepts as well as expansion of vocabulary, through the use of cultural and authentic resources such as stories and a cultural video series. In addition, students will produce more extensive writing and speaking assessments. At this level students are expected to communicate entirely in Spanish. Formal and informal presentations are required. The AAPPL (Assessment of Performance towards Proficiency in Language) standardized formal assessment will be given twice a year.

SPANISH IV HONORS - 3141

1 year, 1 credit

Prerequisite: Teacher recommendation from Spanish III teacher. Students should have demonstrated a strong work ethic and exhibited a strong oral competency. A grade of B+ or higher in Spanish III Honors or an A in Spanish III is recommended.

Spanish IV Honors follows the same curriculum as Spanish IV Academic but includes a more extensive and rigorous pace as well as additional performance-based assessments, including comparative essays and simulated conversations. Students are expected to communicate in Spanish, both orally and written on a daily basis. Formal and informal presentations are required. The AAPPL (Assessment of Performance towards Proficiency in Language) standardized formal assessment will be given twice a year.

ECE SPANISH V - 3151

1 year, 1 credit

Prerequisite: Recommendation from Spanish IV teacher. Students should have demonstrated a strong work ethic and exhibited a strong oral competency. A grade of B+ or higher in Spanish IV Honors or A in Spanish IV is required.

Students will be asked to decode and interpret the main ideas and details of authentic resources and to make inferences from them when comparing and contrasting two or more of these sources before completing tasks such as writing an essay or making an oral presentation or completing a project. The types of resources used are culturally authentic which are delivered through various forms of media. Themes of study included are Global Challenges, Social Injustice, Immigration and Gastronomy. Formal and informal presentations are required. The AAPPL (Assessment of Performance towards Proficiency in Language) standardized formal assessment will be given twice a year.

AP SPANISH LANGUAGE & CULTURE - 3191

1 year, 1 credit

Prerequisite: Teacher recommendation from Spanish IV teacher. Students should have demonstrated a strong work ethic and exhibited a strong oral competency. A grade of B+ or higher in Spanish IV Honors or A in Spanish IV is recommended.

In addition to ECE Spanish V, all students in this class are required to work at an AP capacity in preparation for the National AP Spanish Exam taken in May. Students must have a willingness to include diverse perspectives, and a disposition to listen well and learn from others. Students have the potential to earn college credit in this course.

SPANISH FOR HEALTHCARE PROFESSIONALS - 3123

1/2 year, 1/2 credit

Prerequisite: Spanish III

This course centers on the use of Spanish in the medical world. Students will practice communication skills which might be needed in a medical situation, from intake interviews and understanding the needs of the patient, assessing pain levels to helping the patient understand what needs to be done and how it is to be done. Students will build upon the vocabulary learned in the past, regarding health, as well as pertinent grammar such as commands, and the present and past tenses. There is also a cultural component to learn about the Hispanic/Latino patient.

ITALIAN I - 3312

1 year, 1 credit

Prerequisite: Teacher Recommendation

The introductory (Level 1) course will teach students the basic elements of Italian language and culture. Interactive lessons, authentic resources, and technology will be combined with basic grammar and vocabulary to build students' proficiency in both the spoken and written language. Formal and informal presentations are required. The AAPPL (Assessment of Performance towards Proficiency in Language) standardized formal speaking assessment will be given once during the year.

ITALIAN II - 3313

1 year, 1 credit

Prerequisite: Italian I and teacher recommendation

The intermediate (Level 2) course will review with students the basic elements of Italian language and culture as learned in the Introduction course, as well as continue the instruction of Italian grammar and vocabulary as they apply to level 2 vocabulary themes. Interactive lessons, authentic resources, and technology will be combined with basic and intermediate grammar and vocabulary to build students' proficiency in both the spoken and written language. Students are expected to communicate in Italian, both orally and written on a daily basis. Formal and informal presentations are required. The AAPPL (Assessment of Performance towards Proficiency in Language) standardized formal assessment will be given twice a year.

ITALIAN III - 3314

1 year, 1 credit

Prerequisite: Teacher recommendation and a minimum grade of C in Italian II is recommended.

The third year of Italian will focus on spoken and written communication, as well as advancing students' grammatical and vocabulary foundations through contextual unit themes. Authentic cultural resources as well as independent research projects will allow students to gain proficiency in spoken and written Italian while broadening their cultural knowledge. Students

are expected to communicate in Italian, both orally and written on a daily basis. Formal and informal presentations are required. The AAPPL (Assessment of Performance towards Proficiency in Language) standardized formal assessment will be given twice a year.

ECE ITALIAN IV - 3315

1 year, 1 credit

Prerequisite: Italian III and teacher recommendation.

This course focuses on developing and refining oral, listening, and written proficiency. A variety of authentic material, short stories, art history, music, film, linguistic studies, and Medieval and Renaissance poetry serve as a vehicle for an in-depth study of the Italian language and culture. Emphasis is granted to verbal expression and writing. A study of an original novel is included in the fourth year of Italian language study, with emphasis on historically and culturally significant contributions to the Italian language development. Formal and informal presentations are required. The AAPPL (Assessment of Performance towards Proficiency in Language) standardized formal assessment will be given twice a year.



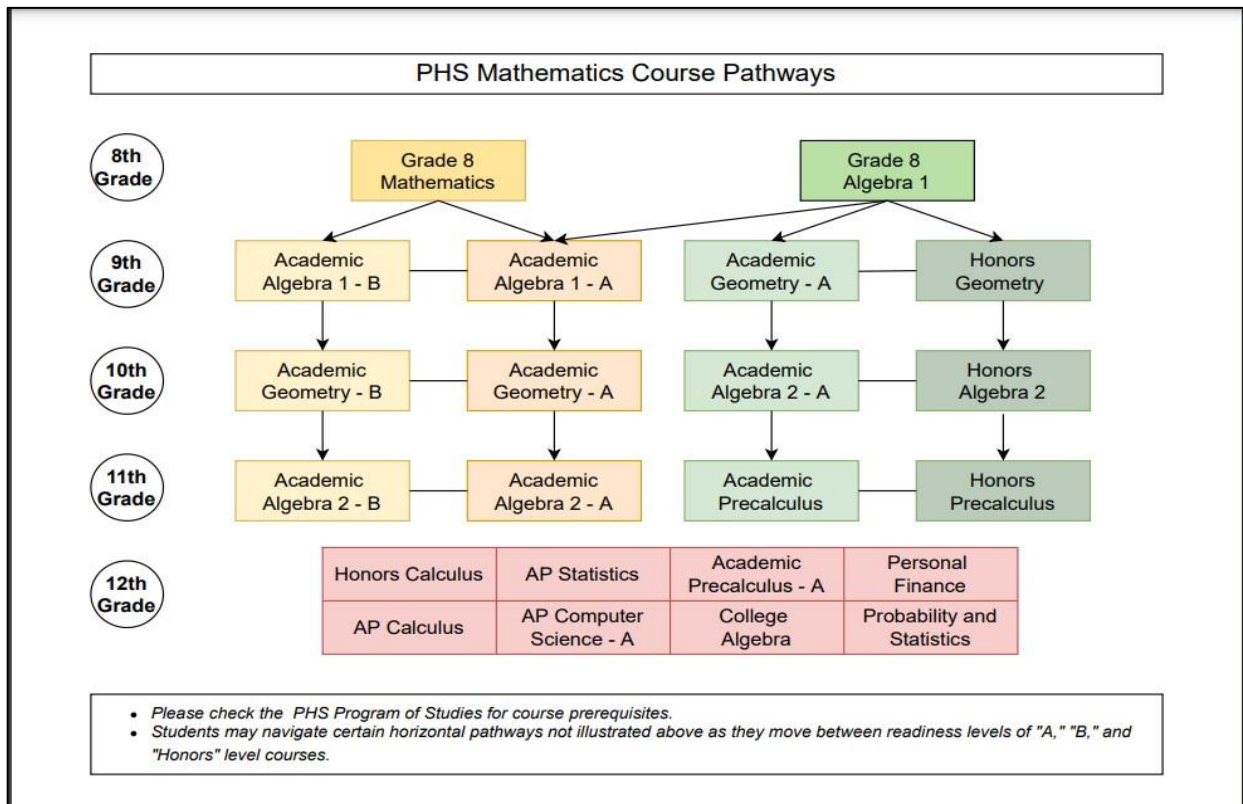
PHS Student Anna Kwashnak 2021

MATHEMATICS

The mathematics program at Pomperaug High School is designed to offer a variety of courses that appeal to students' interests and are aligned with their abilities. Course sequences are designed to incorporate repeated exposure to a range of numerical, algebraic, geometric and statistical concepts that allow students to recognize mathematical themes. Students ultimately acquire the confidence to assess a problem, select the appropriate tool, execute a solution and evaluate the results. The expected outcome is that students will be able to effectively apply these skills in their daily life and as they pursue future endeavors in the study of mathematics.

Students who require extra support in math may be recommended to attend Math Lab, a support program aligned with the framework of Scientific Research-Based Interventions (SRBI). Teachers within the mathematics department work with students to target areas in need of improvement and move students forward in their learning of key mathematical skills, concepts, and understandings. Student entry into the lab is based upon teacher referral and the approval of the math academic chairperson.

Note: To fulfill graduation requirements, all students are required to successfully complete at least one course focused on algebraic problem solving and focused on geometric critical thinking.



ALGEBRA I – B - 4312

1 year, 1 credit

Prerequisite: 8th Grade Mathematics teacher recommendation.

In this college prep course students will develop the foundational skills and concepts of equations, inequalities and functions through logical reasoning, function behavior, and modeling. Concepts covered in this course consist of, sequences, solving equations and inequalities, writing linear equations efficiently, graphing linear equations and inequalities, solving systems of equations, solving and graphing absolute value equations, factoring and solving quadratics, writing and graphing quadratic equations, and writing and graphing exponential equations. Students are introduced to function notation and develop an understanding of function characteristics, and apply function behavior and characteristics to various function families including linear, absolute value, quadratic, and exponential. Algebra 1 B is designed to include instructional supports to strengthen fundamental skills necessary for success in future math classes.

ALGEBRA I – A - 4012

1 year, 1 credit

Prerequisite: A grade of C+ or better in Grade 8 Mathematics is recommended or 8th grade teacher recommendation

In this college prep course students will develop the foundational skills and concepts of equations, inequalities and functions through logical reasoning, function behavior, and modeling. Concepts covered in this course consist of, sequences, solving equations and inequalities, writing linear equations efficiently, graphing linear equations and inequalities, solving systems of equations, solving and graphing absolute value equations, factoring and solving quadratics, writing and graphing quadratic equations, and writing and graphing exponential equations. Students are introduced to function notation and develop an understanding of function characteristics, and apply function behavior and characteristics to various function families including linear, absolute value, quadratic, and exponential.

GEOMETRY – B - 4026

1 year, 1 credit

Prerequisite: Successful completion of Algebra I

In this college preparatory course students will explore the concepts of congruence and similarity through inductive reasoning and informal proof. Concepts covered in this course include transformations, parallel lines, congruent triangles, quadrilaterals, similar triangles, right triangle trigonometry, and coordinate geometry. The Geometry B course is designed to include instructional supports in order to review and reinforce algebraic skills through the lens of geometric concepts.

GEOMETRY – A - 4022

1 year, 1 credit

Prerequisite: Successful completion of Algebra I and teacher recommendation

In this college preparatory course students will explore the concepts of congruence and similarity through inductive reasoning and formal proof. Concepts covered in this course include transformations, parallel lines, congruent triangles, quadrilaterals, similar triangles, right triangle trigonometry, coordinate geometry, and volume. It is expected that students have a strong algebraic foundation in order to apply algebraic skills through the lens of geometric concepts.

GEOMETRY HONORS - 4011

1 year, 1 credit

Prerequisite: Final grade of “A” or better in Algebra 1 or a grade of B+ and teacher recommendation.

In this honors-level course students will establish triangle congruence and similarity through transformations. They will explore the concepts of congruence and similarity through inductive reasoning, constructions, and formal proof. Concepts covered in this course include transformations, parallel lines, congruent triangles, quadrilaterals, similar triangles, right triangle and non-right triangle trigonometry, coordinate geometry, and volume. In addition to a strong algebraic foundation, students are expected to develop and maintain a high level of academic independence.

ALGEBRA II – B - 4132

1 year, 1 credit

Prerequisite: Successful completion of Geometry and teacher recommendation.

Algebra II-B expands upon skills and concepts introduced in Algebra 1. This course includes a serious study of functions, graphs, and their equations. Major topics include quadratic, polynomial, trigonometric (sine and cosine), radical, exponential, logarithmic, and rational functions. Graphing calculators are used frequently in this effort, and therefore a graphing calculator is recommended for this course. This course prepares students for college mathematics. In addition, Algebra II-B is designed to include instructional supports in order to review and reinforce algebraic skills.

ALGEBRA II – A - 4032

1 year, 1 credit

Prerequisite: A minimum grade of C+ in Algebra I-A and a minimum grade of C in Geometry-A are strongly recommended.

Algebra II-A expands upon skills and concepts introduced in Algebra 1. This course includes a serious study of functions, graphs, and their equations. Major topics include quadratic, polynomial, trigonometric (sine and cosine), radical, exponential, logarithmic, and rational functions. Graphing calculators are used frequently in this effort, and therefore a graphing

calculator is recommended for this course. This course prepares students for college mathematics.

ALGEBRA II HONORS - 4021

1 year, 1 credit

Prerequisite: A minimum grade of C in Honors Geometry.

Honors Algebra II expands upon skills introduced in Algebra I. This course includes an intense study of functions, graphs, and their properties. Major topics include quadratic, polynomial, trigonometric (sine and cosine), radical, exponential, logarithmic, and rational functions and their equations. In addition to a strong foundation in Algebra I and Geometry, students are expected to maintain a high level of academic independence. This course is appropriate for a student planning to pursue a college major or a career in a discipline dependent on mathematics. Note that a graphing calculator is required for this course.

ESSENTIALS OF MATH I-IV – 4005,4006,4007,4008

1 year, 1 credit

Prerequisite: Recommendation of teacher.

These courses are specially designed to meet individual student needs as they relate to mathematics. The curriculum focuses on creating a foundation for algebraic problem solving and geometric critical thinking that can be built upon to further explore how these strategies impact a student's understanding of the world around them. Students will learn how to more independently process sequences, solving equations and inequalities, writing linear equations efficiently, graphing linear equations and inequalities, solving systems of equations, solving and graphing absolute value equations, factoring and solving quadratics, writing and graphing quadratic equations, and writing and graphing exponential equations. These courses meet the appropriate grade level Math Graduation Requirements.

COLLEGE ALGEBRA - 4232

1 year, 1 credit

Prerequisite: Successful completion of Algebra II

College Algebra is a math course designed for college-bound students who may not be continuing further study in science, technology, engineering or mathematics. This course will prepare students for a more rigorous course in Precalculus. Topics in College Algebra include set and function notation, linear and absolute value functions, exponential and logarithmic functions, polynomial functions, radical functions, rational functions, conic sections, and trigonometry.

PERSONAL FINANCE - 4432

1 year, 1 credit

Prerequisite: Successful completion of an Algebra and a Geometry course.

Personal Finance is a course designed to develop student agency in the areas of financial literacy, responsibility and decision making. A theme throughout the course includes the

importance of making sound financial decisions given their impact on life and life's events. Topics include, but are not limited to, budgeting, insurance, banking, credit, scams, housing and taxes. Opportunities for personalized learning include investigations into careers, housing and travel. A variety of online resources will be utilized and proficient foundational algebraic reasoning and algebraic skills will be beneficial toward finding success in Personal Finance.

PROBABILITY AND STATISTICS - 4142

1 year, 1 credit

Prerequisite or Corequisite: Successful completion of Algebra II.

This course is intended for the students who will need knowledge of the basic concepts and applications of probability and statistics. The student will study means of analyzing and presenting data. Topics covered include rules of probability, binomial functions, the normal distribution, linear correlation and linear regression. The objective of this course is to prepare students to be successful in a college statistics course. A good working knowledge of a graphing calculator is recommended, and a graphing calculator is required for this course.

PRECALCULUS - 4042

1 year, 1 credit

Prerequisite: A minimum grade of "B" in Algebra II - A is strongly recommended or a grade of C and a teacher's recommendation-

Pre-Calculus expands upon skills and concepts introduced in both Geometry and Algebra 2. This course includes a major study of Trigonometric Functions and their Applications, in addition to topics including Conic Sections, Limits, Vectors, and Rational Functions. This course involves extensive use of the graphing calculator, and therefore one is required for the course. In addition to a strong algebraic and geometric foundation, students are expected to develop and maintain a level of academic independence. A good working knowledge of a graphing calculator is required. This course is appropriate for a student planning to pursue a college major or a career in an area dependent on mathematics.

PRECALCULUS HONORS - 4031

1 year, 1 credit

Prerequisite: A minimum grade of "B" in Algebra II Honors is strongly recommended or a teacher's recommendation.

Honors Pre-Calculus expands upon skills and concepts introduced in both Geometry and Algebra II. This course includes a major study of trigonometric functions and their applications, in addition to topics including conic sections, limits, vectors, rational functions, parametric and polar equations. This course involves extensive use of the graphing calculator, and therefore one is required for the course. In addition to a strong algebraic and geometric foundation, students are expected to maintain a high level of academic independence. This course is appropriate for a student planning to pursue a college major or a career in an area dependent on mathematics.

CALCULUS HONORS - 4151

1 year, 1 credit

Prerequisite: A minimum grade of “C” in Academic Precalculus or a passing grade in Honors Precalculus.

This year-long honors-level course is designed to provide students with exposure to a semester of college-level calculus. The focus of the course is the study of functions, limits, derivatives and antiderivatives. A graphing calculator is required along with a strong understanding of algebra, geometry, functional analysis, and trigonometry.

AP CALCULUS - 4091

1 year, 1 credit

Prerequisite: A minimum grade of “B” in Honors Precalculus or teacher recommendation.

This course is designed to prepare students for the AP Calculus exam and will help students gain college level skill. This course is regarded as a high level, accelerated course designed to give students approximately one and a half semesters of exposure to college-level calculus. The course is designed to prepare students for the AB level, AP Calculus exam. The subject matter includes work in analytic geometry, limits, derivatives, integrals and functions. A graphing calculator is required for this course.

AP STATISTICS - 4191

1 year, 1 credit

Prerequisite: Successful completion of Precalculus with a grade of C or better.

This course is designed to prepare students for the AP Statistics exam and will help students gain college level skill. This course will introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will be exposed to four broad conceptual themes: exploring data, planning a study, anticipating patterns, and statistical inference. Students who successfully complete the AP examination may receive college credit and/or advanced standing for a one semester, introductory statistics course.

AP COMPUTER SCIENCE A - 4391

1 year, 1 credit

Prerequisite: Successful completion of Algebra II

This course is designed to prepare students for the AP Computer Science exam and will help students gain college level skill. Regarded as an introduction to computer science, this course is based on requirements that are comparable to an introductory course for computer science majors at a university or college. The course is also recommended for students who plan to major in other areas that require significant technology expertise. A large part of the course is built around the writing, running, and debugging of computer programs in Java to correctly design and implement solutions to problems. The design and implementation of computer programs is used as a context for introducing other important aspects of computer science such as the development and analysis of algorithms and the development and use of fundamental data structures. Object-oriented design and the ethical and social implications of computer use are recurring themes.

SCIENCE

The science program at Pomperaug High School is designed to provide students with a wide range of experiences that will foster the development of scientific literacy and reasoning. Through courses offered in the categories of life and physical science, students are challenged to explain various scientific phenomena by applying concepts and thinking critically. As students progress through the program, it is expected they will develop an informed awareness of science-related issues and be equipped to critically examine each through the lens of scientific reasoning. As a result, students will be prepared to meet the expectations required in post-secondary education and in a career.

The years of science must reflect exposure to scientific concepts in the areas of life and physical science. To this end, all students must successfully complete the courses Integrated Earth and Physical Science and Biology. In addition, to fully satisfy all facets of the physical science graduation requirement, students must also successfully complete Chemistry or an equivalent course.

THE HIGH HONORS PROGRAM IN SCIENCE

The purpose of the High Honors Program is to stimulate and reward students who commit themselves to four years of effort and achievement in a prescribed sequence of science courses. Each student's commitment shall be recognized by certificates of accomplishment and honors weighting.

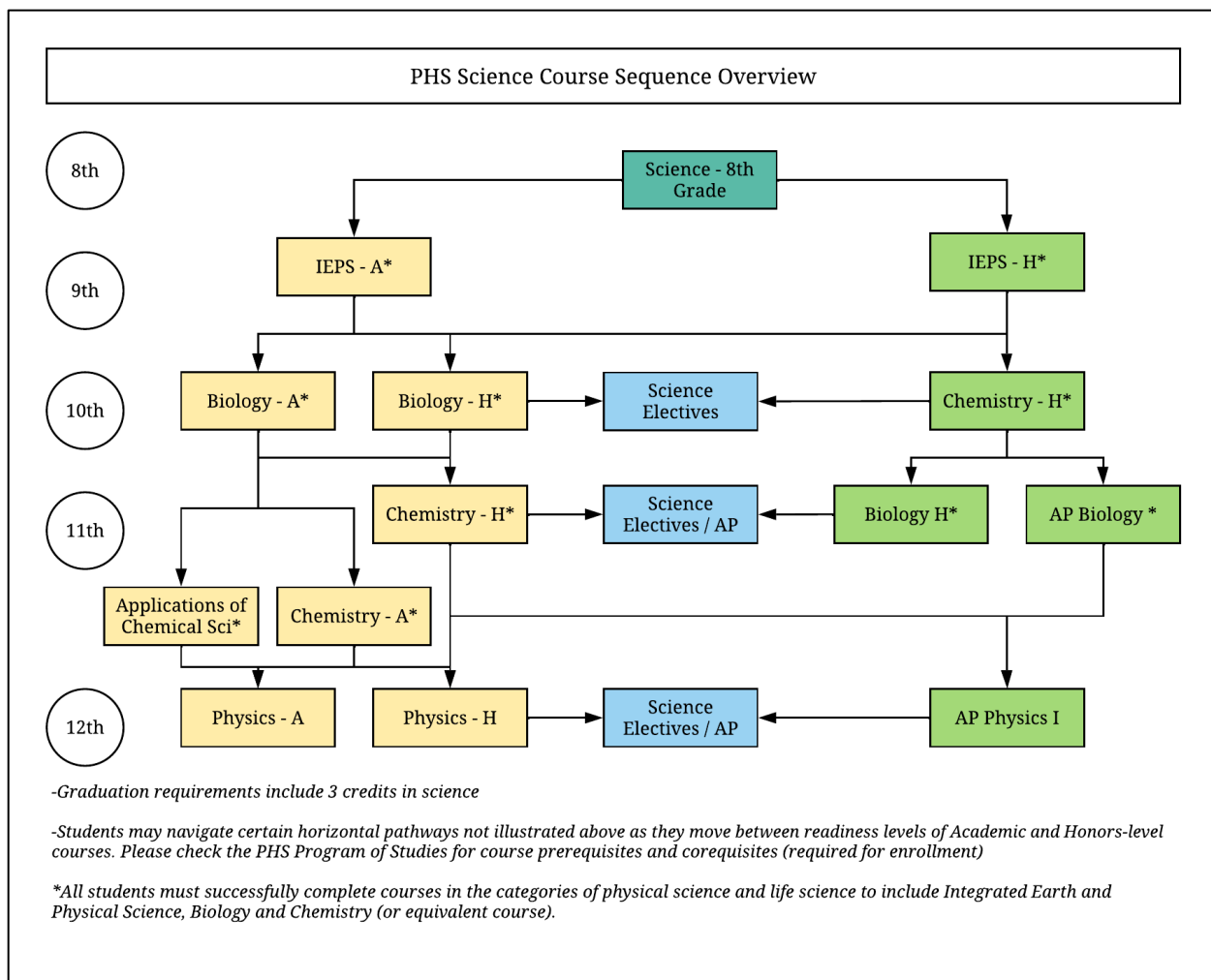
REQUIREMENTS FOR THE HIGH HONORS SEQUENCE IN SCIENCE

Students eligible to receive the High Honors Sequence in Science recognition are required to complete six (6) courses from the list below with a minimum of three (3) out of the six (6) courses at the Advanced Placement (AP) level:

- Honors Integrated Earth and Physical Science
- Honors Biology
- Honors Chemistry
- Honors Physics
- AP Physics I
- AP Physics C
- AP Biology
- AP Chemistry
- AP Environmental Science

In addition to the program of study listed above, students will be required to maintain an 80 or better average to qualify for the High Honors Sequence in Science designation.

Although the courses listed previously are included in the Honors Program, they are not the exclusive domain of honors participants, i.e., students who have the appropriate prerequisites may sample these and other science courses, but they will not receive high honors sequence recognition.



INTEGRATED EARTH AND PHYSICAL SCIENCE - 5112

1 year, 1 credit

Prerequisite: Recommendation of 8th grade Science teacher.

Integrated Earth and Physical Science is a course that is aligned to the Next Generation Science Standards. The course examines Earth and its place in the universe through the lens of concepts relating to physics, earth and space science, chemistry and environmental science. Students explore topics ranging from force and motion to resource use/availability on Earth. Throughout the course, students will engage in the explanation of scientific phenomena as they pertain to topics related to earth science, environmental science, astronomy, and physics. All freshman students are to enroll in Integrated Earth and Physical Science.

INTEGRATED EARTH AND PHYSICAL SCIENCE HONORS - 5111

1 year, 1 credit

Prerequisite: Recommendation of 8th grade Science teacher.

Integrated Earth and Physical Science Honors is a course that is aligned to the Next Generation Science Standards. The course examines Earth and its place in the universe through the lens of

concepts relating to physics, earth and space science, chemistry and environmental science. Students engage in in-depth exploration of topics ranging from force and motion to resource use/availability on Earth. In-depth explanation of scientific phenomena as it pertains to topics related to earth science, environmental science, chemistry and physics will be a focus. Students will encounter complex problems that require strong data analysis skills and the ability to develop mathematical models. All freshman students are to enroll in Integrated Earth and Physical Science.

BIOLOGY - 5022

1 year, 1 credit

Prerequisite: Successful completion of Integrated Earth and Physical Science

This course is aligned with the Next Generation Science Standards and includes opportunities for students to explore principles of biology as they are connected with other scientific disciplines. Major themes include an examination of ecosystems through the lens of matter and energy transformations and interdependent relationships. The structure and function of organisms will be investigated along with the study of DNA and inheritance. The theories of natural selection and evolution as they relate to our observation of how species change over time will also be examined. A particular emphasis will also be placed on human's impact on the biodiversity of species.

BIOLOGY HONORS - 5011

1 year, 1 credit

Prerequisite: Successful completion of Integrated Earth and Physical Science and teacher recommendation

This course is aligned with the Next Generation Science Standards and includes opportunities for students to explore principles of biology as they are connected with other scientific disciplines. Major themes include an examination of ecosystems through the lens of matter and energy transformations and interdependent relationships. The structure and function of organisms will be investigated along with the study of DNA and inheritance. The theories of natural selection and evolution as they relate to our observation of how species change over time will also be examined. A particular emphasis will also be placed on human's impact on the biodiversity of species. At the honors level, the progression of topics occurs at a faster rate and therefore, topics are explored in greater depth.

ESSENTIALS OF SCIENCE I-II - 5005,5006

1 year, 1 credit

Prerequisite: Teacher Recommendation

These courses are specially designed to meet individual student needs as they relate to studies in both physical and biological sciences. The content is focused on ensuring that students have the skills necessary to better understand the scientific world around them and how the interactions of physical and biological events impact earth. Students will encounter complex problems that require strong data analysis skills and the ability to create mathematical models. Students will focus on learning strategies that allows for them to develop strong data analysis

skills and the ability to develop mathematical models to better explain areas scientific knowledge. These courses meet the graduation requirement for Integrated Earth and Physical Science (9th grade) and Biology (10th grade).

CHEMISTRY - 5032

1 year, 1 credit

Prerequisite: Concurrently enrolled in or successfully completed Algebra II and teacher recommendation.

This course explores the principles of chemistry and is aligned with the Next Generation Science Standards. It is designed to develop a deep understanding of the main areas of chemistry: fundamental concepts, practical applications, laboratory techniques, and mathematical problem-solving through in-class laboratory experiments. Major themes include investigations of matter, physical and chemical changes, atomic and molecular structure, the periodic table, formula and chemical equation-writing, mass/volume and stoichiometric relationships, reaction rates, equilibrium, solutions, nuclear processes and acid/base behavior.

CHEMISTRY HONORS - 5021

1 year, 1 credit

Prerequisite: Concurrently enrolled in or successfully completed Algebra II and teacher recommendation.

This explores the principles of chemistry and is aligned with the Next Generation Science Standards. It is designed to develop a deep understanding of the main areas of chemistry: fundamental concepts, practical applications, laboratory techniques, and mathematical problem-solving through in-class laboratory experiments. Major themes include investigations of matter, physical and chemical changes, atomic and molecular structure, the periodic table, formula-writing and chemical equation-writing, mass/volume and stoichiometric relationships, reaction rates, equilibrium, solutions, acids/bases, introduction to organic compounds, nuclear reactions and behavior of gasses. At the honors level, the progression of topics occurs at a faster rate and therefore, topics are explored in greater depth and a more robust mathematical approach.

APPLICATIONS OF CHEMICAL SCIENCE - 5035

1 year, 1 credit

Prerequisite: Successful completion of Biology and teacher recommendation.

This course explores the principles of physical science and is aligned with the Next Generation Science Standards. Major themes of alchemy, toxins, water, and chemical reactions are investigated using various phenomena. Topics include an investigation of matter, atomic structure, the periodic table, nuclear processes, chemical bonding, and energy. Further connections will be made between the structure and properties of matter and natural processes in chemical reactions. An emphasis will be on the conceptual understanding of topics with less of an emphasis on the relationship to applicable mathematical principles. Students who successfully complete Integrated Earth and Physical Science and Applications of Chemical science will satisfy Pomperaug High School's physical science graduation credit requirements.

PHYSICS - 5042

1 year, 1 credit

Prerequisite: Successful completion of Algebra II

Physics Academic is a course designed for college-bound students who may not be continuing further study with a concentration in science, technology, engineering or mathematics. Students will investigate topics such as one and two dimensional motion, forces, energy and momentum, electricity and magnetism, and waves. Problem-solving skills and mathematical reasoning will be developed throughout the course.

PHYSICS HONORS - 5031

1 year, 1 credit

Prerequisite: Recommended concurrent enrollment in or successfully completed College Algebra or Precalculus

Physics Honors is a course designed for students interested in pursuing further study at the collegiate level in science, technology, engineering or mathematics. Students will investigate topics such as one and two dimensional motion, forces, energy and momentum, electricity and magnetism, and waves. Strong problem-solving skills and mathematical reasoning are assets for the course.

AP PHYSICS I - 5391

1 year, 1 credit

Prerequisite: Successful completion of Algebra II

Corequisite: Concurrent enrollment in Precalculus strongly recommended.

AP Physics I is a college-level course in conceptual and algebra-based physics, designed to prepare students to take the AP Physics I exam in May. Students enrolled in this course are encouraged to take the AP exam. An understanding of physics is cultivated through inquiry-based laboratory investigations as students explore topics in Newtonian mechanics including kinematics, dynamics, energy, fluids, and momentum in one dimension, two dimensions and circular frames of reference. A summer assignment is a required part of this course.

AP PHYSICS C - 5291

1 year, 1 credit

Prerequisite: Successful completion of AP Physics I & Precalculus or teacher recommendation

Corequisite: Concurrent enrollment in Calculus strongly recommended.

AP Physics C is the equivalent of a university-level physics course for scientists and engineers. The concepts of classical mechanics learned in Advanced Placement Physics I will be examined at a deeper level and students will explore concepts in electricity and magnetism. A basic knowledge of calculus will be developed and used throughout the course. Students will develop a rich understanding of kinematics, dynamics, energy, momentum, rotation, electricity and magnetism. AP Physics C will follow the College Board's mechanics and electricity and

magnetism curriculum and the course is intended to prepare students to take the Advanced Placement Physics C Mechanics and/or Electricity and Magnetism exams in the spring.

AP BIOLOGY - 5091

1 year, 1 credit

Prerequisite: Successful completion of Chemistry and Biology or successful completion of Chemistry and teacher recommendation.

This course is designed to prepare students for the AP Biology exam and will help students gain college level skill. As stated by the College Board, “The AP Biology redesigned course reduces breadth, shifts the instructional emphasis from content to skills, and promotes the complex thinking and reasoning skills essential for in-depth study at the college level.” The AP Biology course is designed to give students an experience equivalent to any college level introductory biology course for biology majors. The content covers all major branches of biology and gives students a complete foundation to build on within upper level courses in college. The course is structured around the four big ideas in biology as stated by the College Board and the enduring understandings identified in the AP Biology Curriculum Framework. Coursework centers on evolution, and the study of biological systems focusing upon life processes, interactions, homeostasis, and inheritance. A summer assignment is a required component of the course.

AP CHEMISTRY - 5191

1 year, 1 credit

Prerequisite: Successful completion of Chemistry Honors and/or teacher recommendation
Corequisite: Precalculus strongly recommended

This course is designed to prepare students for the AP Chemistry exam and will help students gain college level skill. Specifically, the AP Chemistry Course at PHS is designed to be an excellent alignment to a first-year college chemistry course. This course is structured around six enduring understandings inspired by the AP Chemistry framework provided by the College Board. The six enduring understandings are matter and its interactions, chemical and physical properties, reactions, kinetics, thermodynamics, and equilibrium. Through a conceptual model, the emphasis of learning is placed on the depth of understanding larger ideas, their interconnections, and applications from the viewpoint of an engineer. Students explore these connections through activities, problem solving, and laboratory exercises throughout the course. A summer assignment is a required part of this course. Students who wish to receive college credits may qualify by taking the AP Chemistry examination in May. Students enrolled in this course are encouraged to take the AP exam.

AP ENVIRONMENTAL SCIENCE - 5591

1 year, 1 credit

Prerequisite: Successful completion of Biology and Chemistry (or concurrently enrolled in Chemistry) and teacher recommendation

This course is designed to prepare students for the AP Environmental Science exam and will help students gain college level skill. Specifically, the AP Environmental Science course is

designed to be the equivalent of a one semester, introductory college course in environmental science. The goal of this course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, 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 and/or preventing them. There are several major themes that cut across many units within the curriculum such as ecology, biomes, pollution, population, environmental laws, and climate change. Students will be expected to recognize connections between the different sciences as they work together to learn about the myriad of problems facing humans and their environment. [Adapted from College Board]

ANATOMY AND PHYSIOLOGY HONORS - 5052

1 year, 1 credit

Prerequisite: Successful completion of Biology (completion of Chemistry is highly recommended)

Anatomy & Physiology is an honors elective course that focuses on the structure and function of the body. Areas of study include: organization of the body, histology and the systems of the body (circulatory, endocrine, digestive, immune, integumentary, lymphatic, muscular, nervous, reproductive, respiratory, skeletal, and urinary). The interrelationship of the body's systems is stressed. The course will include some medical aspects of the human body.

ASTRONOMY - 5217

½ year, ½ credit

Prerequisite: Successful completion of Integrated Earth and Physical Science

This semester course will include the history of astronomy, methods of astronomers, and the study of cosmology, galaxies, stars and the solar system. The course will begin with the Big Bang and proceed with the formation of matter, galaxies, stars and our solar system. Recent explorations will be stressed. Instruction will be student directed with some time used for lecture- discussions. Numerous laboratory exercises and computer simulations will be incorporated. Research projects will be used, and the use of the Internet will be extensive.

GEOLOGY - 5216

½ year, ½ credit

Prerequisite: Successful completion of Integrated Earth and Physical Science

This semester course focuses primarily on the geology of the earth. The areas of study include rocks and minerals, map skills, topographic maps, plate tectonics, earthquakes, the earth's interior, volcanoes, geologic time, and earth's history. Included is an emphasis on geologic processes that have shaped the Middlebury and Southbury area.

METEOROLOGY - 5612

½ year, ½ credit

Prerequisite: Successful completion of Integrated Earth and Physical Science

This course will give students an in-depth study of the nature of weather forces and climate. The course will cover topics including weather observation, temperature, the water cycle, weather forecasting, atmospheric pressure, humidity, wind, air masses, severe weather, and global warming.

HUMAN BIOLOGY - 5442

½ year, ½ credit

Prerequisite: Successful completion of Integrated Earth and Physical Science

This course is designed to accommodate any student who has an interest in human body systems, regardless of their science background. Following successful completion, students will broaden their understanding of how body systems function, and in doing so, inform them as to the various types of disease that can affect the human body. Students will also gain an understanding of the preventative steps one could take to avoid such disorders.

MARINE BIOLOGY - 5311

½ year, ½ credit

Prerequisite: Successful completion of Integrated Earth and Physical Science

This semester course is designed for students who have an interest in studying the sea and its inhabitants. Areas of study in Marine Biology include oceanic properties, resources and pollution. Additionally, students will also study marine mammals, reptiles, seabirds, fish and sharks. Students will gain an understanding on unique traits and adaptations that allow life to thrive in the ocean. Marine Biology laboratory experiences include shell identification and investigating the structure and function of clams, starfish, squids, sharks.

FIELD BIOLOGY - 5412

½ year, ½ credit

Prerequisite: Successful completion of Integrated Earth and Physical Science

Field Biology offers students the opportunity to learn about Connecticut's wildlife through outdoor field studies and classroom activities. Students will have the chance to become amateur field biologists as they study topics including animal tracking, unique mammals' traits, identifying mammals, identifying birds, identifying amphibians and reptiles, invasive species and classifying insects. Students should be aware that the course involves some walking, hiking and outdoor field work in all kinds of weather. Field Biology will broaden students' knowledge in the biological sciences by presenting topics not covered in their first year of biology.

ENVIRONMENTAL SCIENCE - 5413

½ year, ½ credit

Prerequisite: Successful completion of Integrated Earth and Physical Science

Environmental Science is designed for students interested in studying how humans interact with and impact the natural world. Students will be evaluating related risks associated with these environmental impacts and the potential solutions for resolving or preventing them. As part of the process, students will examine practical examples from their own life and how they may influence the natural environment. Areas of study includes energy resources, air pollution, waste management, water pollution, and land use management (urbanization & food production).

FORENSIC SCIENCE I - 5310

½ year, ½ credit

Prerequisite: Successful completion of Integrated Earth and Physical Science

Forensic Science I involves the application of scientific principles to the investigation of crime. This class presents many real-world applications of scientific principles. Principles of biology, chemistry and physics are integrated into the study of evidence. Analytical methods will be applied to the study of sample evidence including fingerprints, hair, fibers, and blood. Other areas of study include chromatography, DNA, skeletal evidence, firearms, glass, and handwriting. This is a hands-on, lab- based course involving class instruction, group work, and independent research of certain topics.

FORENSIC SCIENCE II - 5313

½ year, ½ credit

Prerequisite: Successful completion of Forensic Science I

Forensic Science II builds on the skills and knowledge from Forensic Science I. New topics are added including time of death, poisoning, odontology, arson, soil and tool marks. These topics include DNA analysis, glass fractures, document analysis, blood spatter analysis, casts and impressions and skeletal evidence. This is a hands-on, lab-based course involving class instruction, group work, and independent research of certain topic.

CAREER & TECHNICAL EDUCATION (CTE)

The Career & Technical Education program combines three disciplines, Business and Finance Technology, Family and Consumer Sciences and Technology Education. Each maintains its own identity, specific aims and programs.

BUSINESS AND FINANCE TECHNOLOGY

ACCOUNTING I: PROPRIETORSHIP - 6414

½ year, ½ credit

This course presents the introductory phase of accounting. It is beneficial to all students. It provides a beginning foundation for students interested in business after high school or in college. The accounting cycle as it applies to personal use and a proprietorship service business is stressed. Current events and ethics in business will be included in class discussions. Preparation and interpretation of journals, ledgers, and statements are presented. Students will also learn how to prepare their own income tax returns. Advances in technology and the use of computers in business for accounting purposes will be introduced.

Students may receive one math credit when they successfully complete this course and the Partnership Accounting course. See your counselor for details.

ACCOUNTING II: PARTNERSHIP - 6415

½ year, ½ credit

Prerequisite: Accounting I: Proprietorship

This course builds upon the introductory course of proprietorship accounting. Students will learn how to keep the financial records of a merchandising business that has two or more partners. The use of special journals, handling payroll, taxes, and completing the end of the fiscal period adjustments and procedures will be presented. Current business events will be stressed. Students will continue to see how computers help accountants in the business field. Students may receive one math credit when they successfully complete this course and the Proprietorship Accounting course. See your counselor for details.

ECE ESSENTIALS OF ACCOUNTING & BUSINESS - 6419

1/2 year, 1/2 credit

Prerequisite: Accounting II: Partnership

This course will provide students with an in-depth understanding of the important fundamentals of business recordkeeping and management skills. Topics will include analysis of the planning, organizing, controlling, and direct functions of management and an extensive review of the various records that business owners need to maintain. Emphasis will be placed on learning how to use accounting software, for managing income and expenses and keeping track of the financial value of the business.

ECONOMICS - 6421

½ year, ½ credit

This course helps the student to better understand the role of the producer and consumer in the economy. How economists make the important decisions required to utilize the limited resources to satisfy the unlimited wants to answer the lifelong problem of scarcity is analyzed. The course also examines the concepts of supply and demand as well as analyzing the different types of economic systems in use in the world today and its impact on real life issues. This course is especially beneficial to the student planning a career in business.

MARKETING - 6461

½ year, ½ credit

In this course the student will utilize technology-based instruction to learn the basic principles of marketing and develop an understanding of the career opportunities in the areas of advertising, merchandising and marketing. Topics will include product development, market planning, promotion, design and packaging, and sales promotion. Students will interact with a variety of on-line sites that supplement each lesson.

PUBLICATION & YEARBOOK DESIGN - 1060

1 year, 1 credit

The course in Yearbook has two primary objectives: 1) to teach students the skills required to create a published yearbook and 2) to produce a yearbook that reflects design and artistic standards. Students will learn design and photography skills. Develop student leadership and decision-making skills, create and execute plans to sell advertisements and most importantly, produce a yearbook the school and community can enjoy.

FAMILY AND CONSUMER SCIENCES

The major concern of Family and Consumer Sciences education in the high school is for the total well-being of the individual and his/her relationship to the home and society. The program builds a foundation of knowledge and skills necessary to live in today's world.

This program contributes to the development of the students' self-awareness and ability to function successfully in society.

CULINARY ARTS I - 6310

½ year, ½ credit (**Allergen Note: Wheat, Dairy, Eggs and Soy are used regularly in this course.**)

An elective course designed to introduce students to culinary skills, nutritional information, safety and sanitation protocol and menu planning skills. Students plan, cost, prepare, cook and evaluate nutritious food in collaborative team settings. This course covers the influences of food, safety, sanitation, essentials of cooking, nutrition, eggs, dairy, quick breads, yeast breads, fruits, vegetables, cookies and pies or cakes. Students will practice gaining culinary independence by making a variety of foods in the Culinary lab.

CULINARY ARTS II - 6311

½ year, ½ credit (Allergen Note: Wheat, Dairy, Eggs and Soy are used regularly in this course.)

Prerequisite: Culinary Arts I

An elective course designed to introduce students to a culinary career path while building culinary skills and knowledge. This course covers safety, sanitation, health, wellness, equipment and appliances, introduction to the restaurant industry, vegetables and soups, dairy products, advanced breads, pasta, sauces, meats and poultry, cakes, entertaining and serving foods. Students participate in weekly labs to demonstrate understanding of culinary knowledge.

Allergen Note: Wheat, Dairy, Eggs and Soy are used regularly in this course.

EXPLORING CHILDHOOD I - 6320

½ year, ½ credit

An elective course designed to introduce students the principles of child development. Students explore the physical, social, emotional, intellectual and moral development of children from conception to age five. Students have the option of participating in the Real Care Baby Infant simulator project as part of the Infancy unit. Students learn about various aspects of infant development while caring for a sophisticated, computerized infant simulator for the weekend. Throughout the course emphasis is given to careers related to children and families.

EXPLORING CHILDHOOD II - 6321

½ year, ½ credit

Prerequisite: Exploring Childhood I

An elective course designed to build on the principles of human growth and development learned in Exploring Childhood I. Students will learn about careers related to children and families while exploring current topics in child development. Students will learn the physical, social, emotional, moral and intellectual patterns of development for ages two to eight. Students will participate in a hands-on learning experience with children.

INTERIOR DESIGN - 6317

½ year, ½ credit

An elective course designed to introduce students to the principles of design in home and interior design. Students will learn about careers related to the interior design industry. The purpose and history of home interiors will be studied from the 18th century until present day. Students will learn about lighting, furniture, layouts and color choice. Students will participate in a collaborative group design challenge project as their final project.

INTERNATIONAL CULTURES AND CUISINE - 6312

½ year, ½ credit

Prerequisite: Culinary Arts I

Students will develop an understanding and appreciation of the cultural diversity and unique cuisines in nations around the world. Students plan, prepare, cook and evaluate polycultural, global recipes. They will explore the rich food heritage of the United States, as well as the food preferences and eating habits from other countries and cultures. Students also select a country and do an independent, in-depth, research project for a class presentation.

Allergen Note: Wheat, Dairy, Eggs and Soy are used regularly in this course.

TECHNOLOGY ENGINEERING AND RESEARCH EDUCATION

The high school's Technology and Research Education program offers courses that provide general or specialized opportunities in the areas of student interest. Emphasis is placed on the students discovering and developing individual talents, aptitudes, and potential as related to industry and technology.

ADVANCED DRONES - 6262

½ year, ½ credit

Prerequisite: Drone Experience & Teacher Recommendation

This second half of the drone course prepares students to apply for their Unmanned Aircraft Systems (UAS) Certification and the FAA Part 107 Remote Airman's Certificate through instructional content, experience in "real flight time," and test preparation. The curriculum begins to prepare students to become entrepreneurs and workforce-ready in the industry of Unmanned Aircraft Systems (UAS). Students must be at least 16 years old by the end of the course.

ADVANCED GRAPHICS - 6220

½ year, ½ credit

Prerequisite: Graphic Communication

Students will push the boundaries of digital media, embrace the technology, concepts, techniques, and professional software applications to an exciting new level. Through a series of real-world examples in the form of skill exercises and project-based work, the students will develop a strong understanding of advanced software features and how to meet specific challenges set forth by the instructor. Projects will spotlight full color screen printed t-shirts, 2d motion graphics, and 3d broadcast design.

ANIMATION - 6213

½ year, ½ credit

Students will learn the traditional principles of animation made famous by Walt Disney animators, and then apply those principles on the same state of the art 3d animation software

used in making films such as Ice Age, Frozen, and Toy Story. Projects in this animation technology & engineering class involve animating human characteristics on inanimate objects, lip sync, and bipedal character development. Career opportunities using animation are discussed throughout the semester and samples of such work are presented and demonstrated.

AP CAPSTONE SEMINAR - 6049

1 year, 1 credit

Prerequisite: Recommendation of teacher.

This dynamic course allows students to immerse themselves in topics that matter to them while developing the analytic, research, problem-solving, and communication skills that colleges seek in their applicants. This challenging program helps deepen students' passion for learning, giving them greater confidence in their academic skills and a broader perspective on the world. In AP Capstone Seminar, students learn to consider an issue from multiple perspectives, to evaluate the strength of an argument, and to make logical, fact-based decisions. Technology, discourse, and student-led decisions are integral components of this engaging class.

AP CAPSTONE RESEARCH - 6059

1 year, 1 credit

Prerequisite: Recommendation of teacher & AP Capstone Seminar

AP Capstone Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Capstone Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information.

AP COMPUTER SCIENCE PRINCIPLES - 6522

1 year, 1 credit

Prerequisite: Recommendation of teacher.

Computer science experience has become imperative for students' success in the workforce of tomorrow and this class provides a college level programming and application design experience that may even earn college credit. Team based app and game jams are designed to ready students for college board program submissions while making the class engaging. C#, a C family programming based object-oriented language, is the chosen language for this course and will be an advantage for students starting a college CS journey.

ARCHITECTURAL DESIGN - 6229

½ year, ½ credit

In Architectural Design students will learn that it is the architectural drafter's responsibility to convert sketches and ideas into formal drawings. The course will show students how to prepare proper formal drawings by providing them with the basic guidelines for architectural drafting

and minimum design and code requirements. Students will transfer their design into 3D software and develop detailed drawings from their designs. Career opportunities are discussed and explored and an electronic portfolio of all student work will be submitted and evaluated at the conclusion of the course.

COMPUTER DESIGN I - 6218

½ year, ½ credit

Computer Design I brings students up to speed on 2D and 3D design using computer design software. The goal is to get students past the point of knowing keystrokes all the way to the point of thinking about how we use 2D and 3D shapes, and then articulating these shapes into the computer applications. After students gain the ability to design on the computer, students learn about rapid prototyping techniques using a 3D printer and manufacturing techniques that allow their ideas to be articulated into physical embodiments. Career opportunities are explored and discussed within these topics also throughout the semester.

COMPUTER DESIGN II - 6214

½ year, ½ credit

Prerequisite: Computer Design I

Computer Design II prepares students for solving the problems of tomorrow and learn more about the future of design. By building on the skills learned in Computer Design I, students are introduced to more advanced techniques that help students design a better world. The course is designed to assist students entering the field of engineering or design and introduces students to concepts aimed to better prepare them for future learning opportunities. Multiple techniques in 3D design are explored and discussed and all student work is collected into a digital portfolio to display student work.

COMPUTER SCIENCE HONORS - 6251

½ year, ½ credit

Prerequisite: Programming for Game Design or Animation and recommendation of teacher

Honors Computer Science is where the worlds of programming, 3D prototyping, and animation merge as students work in production teams to create and code interactive 3D applications and virtual reality experiences. Student teams consist of programmers, animators, modelers and graphic designers working together to apply specialized skills learned from prior classes. C#, a C family programming based object-oriented language, is the chosen language for this course and will prepare students for success in AP Computer Science Principles.

COLLABORATIVE PEER RESEARCH - 6261

½ year, ½ credit

Collaborative Peer Research is open to students on all different educational pathways. Together, students will increase communication skills and hone their academic

skills through the collaborative inquiry based research process. Research and presentation skills will be developed as students work in groups to investigate novel thematic topics, which will then be interactively and creatively presented in class after each unit. The collaborative approach encourages positive social interactions and new skill development for all students.

DRONE EXPERIENCE: JOURNEY OVER SPACE & HORIZON (J.O.S.H) - 6260

½ year, ½ credit

The first half of the Drone course trajectory begins to prepare students to apply for their Unmanned Aircraft Systems (UAS) Certification, the FAA Part 107 Remote Airman's Certificate through instructional content, experience in "real flight time", and test preparation. The curriculum begins to prepare students to become entrepreneurs and work force ready in the industry of Unmanned Aircraft Systems (UAS).

ECE ADVANCED GAME PROGRAMMING - 6244

½ year, ½ credit

Prerequisite: Programming for Game Design and Teacher Recommendation

ADVANCED GAME PROGRAMMING is where the worlds of programming, prototyping, and animation merge as students work in production teams to create and code interactive 3D games. Students will explore the history of the industry, game mechanics, and level progression while they develop creative technical skills that can be applied to their final culminating program. C#, a C family object-oriented language, is the chosen language for this course and will prepare students for success in future computer science and digital media pathways.

ELECTRONICS & ROBOTICS - 6243

½ year, ½ credit

This is a STEM focused course which explores engineering through a firm and in-depth exploration of multiple engineering fields. With an emphasis on Computer Science and Robotics, students will design and build machines to perform specific tasks through the use of Robotic kits, students then explore multiple programming languages and their applications such as Visual Basic and Java. Student work is collected and published in a digital portfolio at the end of the Semester.

GRAPHIC COMMUNICATION - 6219

½ year, ½ credit

This technology and engineering course is designed to give students a truly unique adventure into the world of digital imaging. Throughout the semester, students will learn real-world production techniques and will be challenged to develop concepts, designs, and effective technical solutions spotlighting careers in the advertising, motion graphics, animation, and gaming industry. Projects may include screen printed t-shirts, magazine covers, motion graphic commercials, 3D texture mapping of a superhero, or creating sprites for a game engine.

INFORMATION SYSTEMS - 6265

½ year, ½ credit

Prerequisite: Recommendation of teacher

Information Systems (Info_Sys) is a hands-on survey course focusing on the role of IT in an organization. The IT department supports the organization in many specific, mission-critical ways. Info_Sys will explore the role of IT at Pomperaug High School. Specific areas explored will include planning for enhancement of the program at PHS, troubleshooting hardware and software issues, administering the Local Area Network (LAN), and helping users with applications.

MECHANICAL ENGINEERING - 6249

½ year, ½ credit

The course includes discussion and experimentation in design, communications, production and manufacturing, and transportation systems. Topics and units may include alternative energy, communication, power and energy transportation, manufacturing engineering. Students will complete hands on projects to learn these concepts.

PROGRAMMING FOR GAME DESIGN - 6242

½ year, ½ credit

Want to learn programming by creating computer games? Students will experience object oriented programming by recreating classic 2D games like Pong, Space Invaders, and Super Mario Bros using C# and the Unity application programming interface. Students will develop an understanding of how psychology and cognitive flow impact game development and will channel their creativity and innovation through coding their own game.

ROBOTICS HONORS - 6252

½ year, ½ credit

Prerequisite: Electronics & Robotics or Computer Design I or II

Honors Robotics is a STEM focused course which further develops students' knowledge of engineering through a firm and in-depth exploration of Robotics as an Engineering field. Students will explore C++ Programming Language. Through Computer Science programming, adaptation of advanced machines are explored and the design and build of such machines. Computer-integrated manufacturing is explored through programming, virtual design, manufacturing, and automation. Honors Robotics incorporates identifying, designing, building, programming, and testing of advanced robotic designs through the use of the C++ Programming Language. Benchmark assessments are employed to track individual student progress.

TRANSPORTATION ENGINEERING - 6247

½ year, ½ credit

This course will provide a more in-depth study of the topics of alternative energy sources, material science, aerodynamics and physics. The course will include the construction of radio

control planes that students will fly based on previous learning from Transportation Technology I. Students will build an Electrathon America Car to race at Lime Rock Raceway in May.

WOODWORKING I - 6250

½ year, ½ credit

This is an introduction to the basics of woodworking. The course is designed to initiate and develop the student's hands on ability to intelligently design and construct useful products. Construction principles, procedures, machines, materials and hand tools will be covered. Units of student will include safety, fasteners, joinery, and material science. Safe working procedures, proper design and pride in craftsmanship will be emphasized. Some sample class projects consist of chairs, boxes and playhouses.

WOODWORKING II - 6251

½ year, ½ credit

Prerequisite: Woodworking I

Entrepreneurs Welcome! Students have an opportunity to think big and make it become a reality. They will be paid for their products. This course provides an opportunity for the students to design a product using Autocad software. Students will create a set of drawings and create a lumber list for their projects. They will build the structures they designed for their clients. This course provides students the experience of participating in the building of a structure along with various woodworking skills. Safe working procedures, proper design and pride in craftsmanship will be emphasized.

FINE ARTS

VISUAL ARTS

The goals of the high school art program are achieved through specific courses and studio experiences. It enables the student to be involved individually and in groups, in problem-solving, inquiry, and in skill development through various media.

AP STUDIO ART - 6091

Drawing and Painting Option

1 year, 1 credit

Prerequisites: Drawing and Painting II and teacher recommendation.

The advanced placement program in Studio Art enables highly motivated students to do college-level work in studio art while still in high school. AP Studio Art requires a written component and a portfolio of work for evaluation at the end of the school year.

The guidelines for the AP Studio Art portfolios have been designed to accommodate a variety of interests and approaches to art. The concentration portfolio requires an in depth commitment to a particular artistic problem.

Photography Option

1 year, 1 credit

Prerequisites: Drawing and Painting II or Photo II and teacher recommendation.

AP Digital Photography is for serious students whom are highly motivated and committed to building an impressive portfolio. This is a yearlong college level exploration of the principles and elements of design as expressed through photography. This is not a course based on a written explanation; instead, the students will submit a portfolio to the College Board and teacher.

The three reflection structure requires them to show imperative skills and a broad mastery of visual design concerns and approaches.

CERAMICS & POTTERY I - 6020

½ year, ½ credit

A course in techniques of hand-built pottery Emphasis will be on individual creativity, structure, design, decoration and glazing techniques. The course is an introduction to ceramics both sculptural and functional. Preferential scheduling will be for seniors, juniors and sophomores.

CERAMICS & POTTERY II - 6021

½ year, ½ credit

Prerequisite: Ceramics & Pottery I

This course is a semester long offering that builds upon techniques developed in Ceramics and Pottery 1. Students will develop skills in hand building, both sculptural and functional. In addition, students will learn decorating and glazing techniques.

CERAMICS & POTTERY ADVANCED - 6022

½ year, ½ credit

Prerequisite: Ceramics & Pottery II

This course is a semester long offering that builds upon techniques developed in Ceramics and Pottery 2. Through individualized instruction students work within the strands of sculpture, pottery and/or hand building. As an advanced course, students considering a future in visual art or an art related field are strongly encouraged to take this class. Juniors and seniors will be given priority for placement in this course.

DRAWING & PAINTING I - 6030

½ year, ½ credit

This course introduces students to a variety of art techniques and processes. Units are sequential and build upon one another so that the students will become comfortable using a variety of drawing and painting mediums such as colored pencils, markers, watercolors, acrylics, etc. Students will understand that visual literacy is essential for being a part of contemporary society. They will increase their awareness of contemporary and historical art movements and their role in history. They will seek and make connections between their efforts, other disciplines and daily life.

DRAWING & PAINTING II - 6031

1 year, 1 credit

Prerequisite: Drawing & Painting I

Students will focus on an in-depth range of art experiences with a more involved use of two-dimensional materials. They will develop a more sophisticated independent judgement and sense of aesthetic value. Students considering an art career will develop and prepare a comprehensive art portfolio for college acceptance.

FOUNDATIONS OF DESIGN I - 6029

½ year, ½ credit

The content in this course is designed to engage the beginning art student as well as challenge the college bound student planning a career in an art-related field. Students will employ communication and critical thinking skills while using a variety of techniques and processes to create two and three dimensional works of art. Units of study include but are not limited to mosaics and glass work, sculpture, paper cutting, tie dye and weaving.

FOUNDATIONS OF DESIGN II - 6046

½ year, ½ credit

Prerequisite: Foundations of Design I

This course is open to students who have been successful in The Foundations of Design I. Self directed students will delve deeper into the techniques and processes associated with glassworks and batik. In addition, students will complete functional design prototypes.

INTRODUCTION TO PRINTMAKING - 6070

½ year, ½ credit

Prerequisite: Drawing & Painting I

Introduction to printmaking is a semester-long program that explores the medium of printmaking. Students will learn about the processes involved in; monoprint, block printing, reduction printing, screen printing, and embossing techniques. Both the fine and applied aspects of this medium will be explored. Students will utilize their drawing skills to create multiple prints in a variety of print media.

PHOTOGRAPHY I - 6010

½ year, ½ credit

This introductory course will explore both traditional and digital photography. Students will learn the skills needed to create successful images and the basics for successful composition and design. Areas of traditional photography will include camera operation, film processing, and darkroom processing. Students will learn and apply Adobe Photoshop skills in the digital section of this course. Emphasis will be placed on editing, manipulation, and enhancing techniques used to produce high quality compositions. Personal style and individual discovery is expected, therefore expectations are placed on student self-direction.

PHOTOGRAPHY II - 6011

½ year, ½ credit

Prerequisite: Photography I

This course is geared for students who have acquired solid knowledge of traditional and digital photography. Major emphasis will be placed on advanced technical skills, artistic applications, experimental processes and problem solving. A high degree of motivation, creative thinking and individual style is expected. Students will build a body of work which will culminate with a quality portfolio for either college submissions or the workforce. A high degree of motivation, individual discovery and critical thinking is expected at this level.

SCULPTURE I - 6040

½ year, ½ credit

Students will create three-dimensional forms using the additive, subtractive and assembly methods. Students will apply the art elements and principles of design into their works.

Materials used may include wire, plaster, wood, paper products, carving materials, and clay. Individual style, a creative approach, craftsmanship, aesthetics and design will be a major focus throughout the course.

SCULPTURE II - 6041

½ year, ½ credit

Prerequisite: Sculpture I

This course will offer an extensive exploration of 3D media that builds from Sculpture I to further develop problem solving skills, creativity and self-expression. Students will have the opportunity to explore as sculptors on a more advanced level that includes various media, including wood, paper, plaster, and clay.

VIDEO PRODUCTION I - 6221

1/2 year, 1/2 credit

Utilizing the high school's video studio and post-production facility, Video Production I is an introductory course in video production and editing. Video Production I will provide students with visual literacy skills to make informed and critical decisions as they create several choice based video projects including stop motion animation, interviews, and dramatic shorts. Students will be instructed from concept to creation on an introductory level in all phases of video production including ideation, storyboarding, camera operation, audio production, lighting techniques, and non-linear editing using Final Cut Pro software. The course will also promote the following skills: goal setting, critical thinking, collaboration, problem-solving, research and time management. This course addresses the needs of not only technologically oriented students but also of artistic and theatrically oriented students.

VIDEO PRODUCTION II - 6223

½ year, ½ credit

Prerequisite: Video Production I

Building on the skills acquired in Video Production I, students in Video Production II will participate in a variety of projects including, a PSA, and a collaborative lesson with the music department where students create music videos. Students will build on their learning and use their skills to work in teams fostering academic inquiry in meaningful, active ways beyond mere transmission of images. Students will be instructed from concept to creation on an intermediate level in all phases of video production including scriptwriting, storyboarding, camera operation, audio production, lighting techniques, and non-linear editing using Final Cut Pro software.

VIDEO PRODUCTION III - 6224

½ year, ½ credit

Prerequisite: Video Production II

Building on the skills acquired in Video Production I & II, students in Video Production III will begin by creating their own production company and work in teams to design their own

project topics with specific skills based instruction. Students will advance their learning and build on their skills, working in teams to create video projects that are meaningful to them and inline with their interests. Students will be instructed from concept to creation on an advanced level in all phases of video production including scriptwriting, storyboarding, camera operation, audio production, lighting techniques, and non-linear editing using Final Cut Pro software.

MUSICAL ARTS

Pomperaug Regional High School music department offers students the opportunity to nurture their musical skills through ensemble and classroom experiences. Music students are able to participate in multiple ensembles, further enriching their total musical experience at Pomperaug High School. Concerts for all performing groups occur twice a year.

As an outgrowth of the large performing ensembles, the opportunity to perform in a smaller group setting may arise. These groups, such as girls choir, flute choir, etc. are open to all PHS music students based on availability. This is not a scheduled course and no credit is awarded.

AP MUSIC THEORY - 6191

1 year, 1 credit

Prerequisite: Music Theory and Recommendation by Teacher

Prior musical training, including the ability to read traditional notation, is a prerequisite. The course focuses on the study of melody, harmony and all other elements of musical composition. As an advanced course, students considering a future in music or an arts related field are strongly encouraged to take this class.

CHAMBER ORCHESTRA - 6132

1 year, 1 credit

Corequisite: Orchestra

Members are auditioned and must be a part of the PHS Orchestra. The group rehearses after school and performs in concerts and events throughout the school year. Advanced string repertoire is performed from a variety of composers and genres.

CHAMBER SINGERS - 6123

1 year, 1 credit

Members are auditioned and must be part of the PHS choral program. The group rehearses after school. A wide variety of selections are performed, including a cappella and show music.

CHORALE - 6121

1 year, 1 credit

Prerequisite: Concert Choir

Entrance into Chorale is granted by audition. Literature is selected from some of the most challenging material performed by high school choruses. Students enrolled are expected to learn their music at an advanced pace.

CONCERT BAND - 6100

1 year, 1 credit

Repertoire is selected from standard literature, as well as some “Pop”, and “Show” arrangements with the developing musician in mind. Emphasis is placed on nurturing each student’s growth in the areas of, tone, balance, intonation, rhythm and musicality. Concert Band is a prerequisite to Symphonic Band. All members of the Symphonic and Concert Bands participate in Marching Band, which performs at football games and parades. Freshmen can be members of both the Concert Band and Concert Choir.

CONCERT CHOIR - 6120

1 year, 1 credit

Repertoire is selected from standard literature, as well as some, “Pop” and “Show” arrangements with the developing musician in mind. Emphasis is placed on nurturing each student’s growth in the areas of, balance, diction, and understanding of the text. Concert Choir is a prerequisite to Chorale. Freshmen can be members of both the Concert Band and Concert Choir.

DIGITAL COMPOSITION - 6146

½ year, ½ credit

This course is intended to introduce students to MIDI technology and digital music production. Students use industry-standard software along with a keyboard control surface to compose and produce original musical work in a variety of styles and idioms. In addition to the use of music technology, this course covers fundamental music theory and composition concepts. This course is designed for students with a deep passion for music, whether or not they have previous music theory or performance experience. While playing an instrument is not required, it is helpful.

ECE POPULAR MUSIC & DIVERSITY IN AMERICAN SOCIETY - 6151

½ year, ½ credit

Prerequisite: Intro to Pop & Rock Appreciation & Teacher Recommendation

This course examines American popular music within its historical and social context, primarily throughout the 20th century. It will encourage you to think critically and creatively about popular music in relation to topics of diversity. We will study significant styles of

American popular music, with a focus on select songs that exemplify their respective genres, and explore several recurring themes throughout the course:

- the role of popular music as a symbol of identity (race, ethnicity, gender, social class, generation, etc.)
- the interaction of European American, African American, and Latin American traditions
- the influence of mass media and technology (printing, recording, radio, video, internet)

INTRO TO COMPOSITION THEORY - 6147

½ year, ½ credit

Prerequisite: Music Theory

This music composition class will help develop composition skills and creativity by providing students with a solid basis to write their own music. Music making (composing, improvising, performing, listening) is a fundamental vehicle for human expression, taking on myriad forms in different times and places. This course is principally concerned with improving access to musical creativity, by providing and enhancing tools and techniques.

INTRO TO GUITAR - 6149

½ year, ½ credit

Introduction to Guitar is intended for high school students who are beginning their guitar studies. The Introduction to Guitar curriculum provides a framework for instruction that introduces a variety of musical genres, as well as solo and ensemble repertoire. Although generally designed for beginners, the Curriculum takes into account students who have a variety of musical backgrounds.

INTRO TO PIANO KEYBOARDING - 6142

½ year, ½ credit

This course is open to students who have no piano experience. The course focuses on the fundamental elements of music reading and piano performance. All students will learn a variety of piano skills and will be able to progress at their own pace. Repertoire will span from Bach to the Beatles. Students interested in developing music reading and piano skills are encouraged to take this class. The skills learned from this class will enable students to create their own songs/compositions.

INTRO TO POP & ROCK APPRECIATION - 6148

½ year, ½ credit

This course is an introduction to the history and culture of rock and roll. Two questions shape the course: How did the times shape the music? And how did the music shape the times? We will begin with an examination of American blues music: its development in the American South, its migration to northern cities beginning in the World War I era, and its evolution into rhythm and blues, and ultimately, rock and roll, and pop music.

JAZZ BAND - 6103

1 year, 1 credit

Members are auditioned and must be part of the PHS band program. The group rehearses after school and performs in concerts and events throughout the year. Advanced jazz compositions are performed.

MUSICAL THEATER/FILM MUSIC - 6145

½ year, ½ credit

A non-performance course that will study an overview of the history of musical theater: the emergence of Broadway, character analysis and development through music and dance will be analyzed through the study of various musicals. Social issues, including interconnections of theater, community, other cultures, and historical periods will be explored. In addition, this course offers students the opportunity to study the history of the relationship between music and film and to gain an understanding of the main historical developments surrounding the use of music in a film. Students will have the opportunity to analyze various examples of film music, taken from the silent era through to the present day.

MUSIC THEORY - 6140

½ year, ½ credit

This course focuses on the basics of music notation, intervals, chord, scales and rhythm. It is recommended that students be able to identify notes on a staff. Students interested in developing a better understanding of music are encouraged to take the class.

ORCHESTRA - 6112

1 year, 1 credit

Repertoire is selected from standard literature of the Baroque, Classical and Contemporary era, and may also include “Pop” and “Show” arrangements with the developing musician in mind. Students have the opportunity to perform music written for string orchestra as well as full orchestra. Emphasis is placed on nurturing each student’s growth in the areas of tone, balance, intonation, rhythm and musicality. Students enrolled are expected to practice consistently.

SMALL ENSEMBLE - 6150

½ year, ½ credit

The Chamber Music area’s ensembles (brass quintets, string quartets, woodwind quintets, high and low woodwind, and brass ensembles) can expect expert coaching from music faculty in the areas of performance, and process. Students will benefit from the musical and small group instruction from faculty through attentive, customized one-on-one and group instruction.

SYMPHONIC BAND - 6101

1 year, 1 credit

Prerequisite: Concert Band

Entrance into Symphonic Band is granted by audition. Literature is selected from some of the most challenging material performed by high school bands. Students enrolled are expected to practice consistently, and be able to learn their music at an advanced pace. All members of the Symphonic and Concert Bands are members of the Marching Band, which performs at football games and parades.

THEATRE ARTS

ACTING I - 6501

½ year, ½ credit

This course introduces the basics of acting. Students will develop skills in observation; concentration; voice; memorization; sense memory; and movement. Students participate in theatre games, improvisations, pantomime, scenes, and monologues, developing confidence and an understanding of character and interpersonal relationships. Students critique their performances, research dramatic texts, and engage in peer evaluation. They also develop cooperative work skills and an understanding of the actors' responsibilities both on and off stage. Considerable emphasis is placed on exploring all of the actor's resources - physical, intellectual, and emotional - in the creation of character and its presentation before an audience. Finally, the course explores acting techniques from both the Stanislavski and technical methods. Students are encouraged to audition for the fall and spring productions or participate in some area aspect of these performances; however, this participation is not a requirement for this course.

ACTING II - 6502

½ year, ½ credit

Prerequisite: Acting I or Sketch Comedy & Improvisation

This course is built on the foundations laid in Acting 1. Students will develop an awareness of an individual's (and their own) social repertoire and examine how such social interactions can be revealed in a character's words and actions. They will be assigned challenging scenes and monologues in a master class format, where they will engage in open rehearsals and participate in constructive criticism. Students will create and perform theatrical one-act plays in the Black Box. All aspects of professional performance are included: script analysis, rehearsal protocol, blocking, stage movement, memorization, characterization, vocal projection, timing, delivery, character make-up, handling of props, wearing costumes, and responsiveness to fellow actors. It is emphasized throughout that every member of the cast and crew is important. Actors are expected to attend all rehearsals for which they are scheduled. Students may repeat this course upon successful completion.

SKETCH COMEDY & IMPROVISATION - 6505

½ year, ½ credit

The course will work on a student's creativity collaborative work, and critical thinking. Students will learn the basics of improvisation using both short and long form. They will develop these skills into a series of sketches that will be performed for an audience during class.

STAGECRAFT IN PRODUCTION - 6511

½ year, ½ credit

Prerequisite: Teacher Recommendation

This course is a practicum in stagecraft in conjunction with the PHS Theatrical performances with a strong emphasis on problem-solving. Students in the discourse must commit themselves to attending all rehearsals and performances. Rehearsals occur directly after the school day. Students are expected to read and become familiar with the play underproduction. Tasks are assigned depending on the needs of the production. Possible tasks may include assistant director; stage manager; set construction and painting; lighting; sound; props; house management; publicity and running crew. Students will acquire and develop a stage vocabulary and familiarity with concepts in design an execution of stage technologies.



PHS Student Carly Matasavage 2017

PHYSICAL EDUCATION & HEALTH SCIENCES

The Pomperaug High School Wellness Program integrates Physical Education and Health concepts that strives to educate students to be healthy and active throughout their lives. We recognize that regular physical activity is imperative to the well-being of all people. We know that good health habits begin at a young age. Our focus is to promote self-motivated students toward a healthy and active lifestyle by comprehending wellness concepts, using knowledge of the physiological benefits of exercise, practicing good health habits, having the opportunity to perform a variety of movements that lead to a healthy and balanced lifestyle. Students earn the required credits needed for graduation by taking 9th Grade Physical Education and Health, 10th Grade Physical Education and Health and 2 elective courses.

9th GRADE PHYSICAL EDUCATION & HEALTH - 9600

½ year, ½ credit

Required of all freshmen

This course provides students with health, wellness, exercise science, and physical education concepts. They will practice self-management of healthy behaviors, analyze internal and external influences, and apply concepts and strategies related to topics of substance abuse, sex education, and injury prevention. They will practice physical fitness, describe the benefits of physical activity, and demonstrate motor skills related to weight room practices, water fitness, and game situations.

10th GRADE DYNAMIC PHYSICAL EDUCATION - 9626

½ year, ½ credit

(Sophomore Elective that can substitute for 10th Grade PE & Health)

This course is designed for sophomore students. The prerequisite for this course is 9th Grade Physical Education and Health. This course combines High-Intensity-Interval-Training and a variety of relaxation activities that promote mindfulness and supports overall wellness. Students will learn about growth mindset and develop a set of relaxation skills to apply to their daily lives.

10th GRADE FITNESS & WELLNESS - 9606

½ year, ½ credit

(Sophomore Elective that can substitute for 10th Grade PE & Health)

This course is designed to give students an opportunity to explore different styles of group fitness classes. Through group exercise students will learn how to stay motivated and apply leadership skills while learning basic anatomy, body mechanics and form. Some examples might include Zumba, Kickboxing, circuit training, and barbell class.

10th GRADE RECREATION & WELLNESS - 9621

½ year, ½ credit

This course provides an overview of the five components of fitness; muscular development and endurance, cardiovascular fitness, flexibility and body composition. Additional topics cover nutrition and goal setting. Students will utilize this information to research, evaluate and implement realistic plans for a lifetime of optimal wellness.

PHYSICAL EDUCATION ELECTIVES GRADES 11 AND 12

Each of the course offerings below may be taken by any junior or senior and all PE Electives are ½ credit courses. Students need to take at least 2 of these courses. They can exceed the credit requirement and take as many elective courses as they wish. Students can take any single course only one time to complete the requirement.

ADVENTURE PHYSICAL EDUCATION - 9605

½ year, ½ credit

This course provides students a variety of dynamic adventure experiences. Guaranteed experiences covered are Orienteering, Kayaking, Archery. Additional topics covered are sledding, snow-shoeing, team building games. Students will work to improve communication skills, decision-making skills and responsible behaviors.

Course Requirements:

1. Students should be able to hold breath underwater for 10 seconds in the shallow end without holding onto the wall.
2. Students must be able to swim 2 widths across the shallow end without putting feet down (front crawl styles).
3. Students must be able to tread water for 1 minute.
4. This course requires participation on two field trips to show mastery of learned skills.

ATHLETIC STRENGTH AND CONDITIONING - 9629

½ year, ½ credit

This course provides students with opportunities to engage in physical activity, develop physical fitness, and develop motor skills related to specific athletic performance. Through the course students will set goals and learn self-management skills as they relate to warm up, agility, strength training and nutrition.

It is highly recommended that students have experience in the following:

- 1- Athletic Competition
- 2- A Goal to Improve Specific Athletic Performance
- 3- Sport Training

DANCE - 9604

½ year, ½ credit

This course provides students with opportunities to engage in and learn lifelong benefits of physical activity through dance. Students will develop physical fitness and performance of motor skills related to ballroom dance, cultural dance, hip hop dance, freestyle and dance for fitness like aerobic dance, step classes and Zumba. Throughout the course students learn how to set goals for themselves, self-manage their health behaviors and analyze internal and external factors that influence their health behavior.

ECE EXERCISE & WELLNESS FOR EVERYONE - 9632

½ year, ½ credit

ECE is an honors level course that gives students the opportunity to earn college credit. This theory and discussion-based course provides an overview of the five pillars of health (exercise, nutrition, sleep, stress and relationships), specifically emphasizing the role that exercise plays in health promotion and disease prevention across the lifespan by presenting the impacts of exercise in multiple domains including leisure time, culture, community, careers, and the workplace.

FIRST AID, C.P.R., AND A.E.D. - 9615

½ year, ½ credit

Students can become certified by the American Red Cross in both First Aid, CPR and AED. The course offers theoretical exposure to medical emergencies. Practical treatment will occur through simulation exercises designed to train the student to respond to the following: Patient assessment, Basic life support, Choking, Bleeding and shock, Head and spine injuries, Fractures, Dislocations, and Medical emergencies. Students will learn and practice accessing health information, communication skills, decision making skills and responsible behavior.

LIFEGUARD TRAINING - 9617

½ year, ½ credit

This course provides students with the knowledge, skills, and practice needed to become well trained and effective lifeguards at pools and non-surf beaches. In this course students will learn decision making skills, safety skills and communication skills. Red cross certification is awarded for successful completion of this course.

Students must pass the following 3 requirements to take this class. Students who do not pass these requirements will be placed in an open PE course and may not get their top choice:

1. Students must be able to swim 12 consecutive laps of the pool using only freestyle or breaststroke.
2. Students must swim $\frac{3}{4}$ of the length of the pool, dive down into 10 feet of water, pick up a 10 pound brick and swim back on their backs using only their legs while holding the brick above the water. This is a timed test, which must be done in 1 minute and 40 seconds.

3. Students must tread water for 2 minutes straight using just their legs while holding hands above the water or under their armpits.

Students will also have the opportunity to get Waterfront Lifeguard certified in this course. The prerequisite waterfront test includes:

- Swim under water across the width of the pool, collecting 3 rings off the bottom in one breath that are spaced out 5 meters apart.
- Swim **20 consecutive** laps in the pool using only freestyle or breaststroke.

MIXED MARTIAL ARTS - 9608

½ year, ½ credit

This course requires student interaction to promote concepts related to advocacy, decision-making, and health through training with various partners in the development of three martial arts disciplines. They will develop skill performance, increase their physical fitness, and exhibit responsible behavior through the practice of Brazilian jiu jitsu, freestyle wrestling, and Muay Thai kickboxing tactics.

PEER HEALTH EDUCATORS - 9630

½ year, ½ credit

Peer Health students will design a variety of activities to be presented to freshman students, middle school students and elementary school students within the region. An additional experience for students within this course is participation in a collaborative classroom with the Adapted PE course. Students will demonstrate the ability to advocate for personal and community health.

RECREATIONAL AND NET GAMES - 9607

½ year, ½ credit

This course provides students with opportunities to engage in physical fitness through a variety of net and recreational activities including volleyball, badminton, and ping pong. Through performance they will learn to apply appropriate strategies and concepts. Through game play, the students will learn the communication and decision-making skills needed to be successful in both team and individual settings.

SELF-DEFENSE - 9610

½ year, ½ credit

This course requires students to access local health information from martial arts studios within the community. They will practice decision-making skills with regard to carrying martial arts practice throughout their lifetime. They will apply concepts and strategies for safety awareness and danger risk management. They will engage in the physical tasks of the motor skills of martial arts related to escapes, grabs/holds, and weapon attacks primarily from the Israeli martial art system Krav Maga.

TEAM SPORTS - 9611

½ year, ½ credit

This course provides students opportunities to engage in physical activity, develop physical fitness, and display performance of motor skills related to sports including basketball, flag football, and speedball in addition to other team-oriented sports. Throughout the sports units they will develop goals for their teams, analyze outcomes, and collaborate on decision-making skills in the process of creating game plans, playbooks, and scouting reports.

WEIGHT TRAINING AND BODYBUILDING - 9616

½ year, ½ credit

This course provides students with core concepts related to nutrition, programming, and goal-setting strategies to maximize muscular development. They will self-manage their healthy behaviors with various fitness tests to analyze the influences surrounding reaching their goals. They will demonstrate safety in the practice of proper motor skills for various weight training techniques and engage in training strategies to improve their physical fitness.

YOGA AND PILATES - 9609

½ year, ½ credit

This course is designed to introduce students safely to the basics of postures, breathing techniques, mindfulness and relaxation methods of Yoga and Pilates. Students will begin to experience the benefits of stretching, moving and breathing freely as they relieve stress, learn to relax and ultimately get more out of day to day living. Through this course students will develop skills, comprehend wellness concepts and make plans that lead to a healthy and balanced lifestyle.

ONLINE PE ELECTIVES COURSES

*For the online physical education courses, students need to have access to a home computer and internet access. There are caps on class sizes the same as in class courses. Enrollment in an online course is not guaranteed. Students who do not get into a section will be placed in an in-person class if the sections are at capacity.

ONLINE HEALTHY FOODS - 9622

½ year, ½ credit

Students will demonstrate the ability to access valid health information, products and services to enhance their health through nutrition choices. Additionally, students will analyze the influence of peers, culture, media, technology and other factors on their health and wellness.

It is highly recommended that students have experience in the following:

1. Independent learners who do well with structuring their time on their own.
2. Understand assignments are designed to take approximately 80 minutes to complete

ONLINE WALKING AND JOGGING - 9623

½ year, ½ credit

This course is designed to have students advocate for themselves and make decisions that promote positive personal health. Students engage themselves in physical activity for fitness, learn how to access reliable health information and the benefits of lifelong activity.

It is highly recommended that students have experience in the following:

1. Independent learners who do well with structuring their time on their own.
2. Students use GPS technology to track the required workouts.
3. This course requires timed workouts of 15-60 minutes a week of walking, jogging, or sprinting depending on choice of intensity level.
4. Students are required to participate in a local, public road race.



PHS PROGRAMS & SUPPORT SERVICES

NVCC PROGRAM

This program is offered in conjunction with Naugatuck Valley Community College and takes place at their facilities in Waterbury. Students are given both high school and college credit for successful completion of course work done through this program. A maximum of four NVCC courses can be counted as credit toward PHS graduation requirements and the first four courses successfully taken will be used. See your counselor for details.

In the past, students have taken classes in Art, Automotive, Chinese, Computer-Aided Drafting, Computer Science, Criminal Justice, Early Childhood Education, Engineering Technology, Hospitality Management, and Multi-Media Technology.

AFTER-SCHOOL HELP

Teachers are available for extra help after school almost every day. Students who are having subject matter difficulty or who have work to make up after an absence are urged to take advantage of the opportunity. It is the responsibility of the student to make an appointment with his/her teacher to secure additional help.

NATIONAL HONOR SOCIETY TUTORING

Students who would like to arrange for one-on-one peer tutoring should speak to their counselor to make arrangements.

WORLD LANGUAGE SUPPORT

Foreign Language Support Lab is provided for students by request. Students should reach out to their teachers when they feel they are in need of academic intervention. The intent of this intervention is to provide review, remediation, clarification, completion of make-up work, etc. in order to support students' needs. National Honor Society students will also provide individual assistance during lab time.

SRBI ENGLISH AND MATH LABS

Pomperaug is committed to preparing students for the 21st century and academic pursuits beyond high school. Teachers in the English and Math departments offer a SRBI (scientifically researched-based interventions) Lab devoted to assisting students in need of additional support. The labs are based upon interventions designed to target areas of weakness and to be better able to support student learning. Interventions in English and Math Lab focus on computational skills, problem-solving skills, and comprehension of math on a conceptual level to strengthen and deepen student understandings. Students recommended and assigned to the SRBI English or Math Lab will attend on a regular basis as part of their scheduled day.

SPECIAL EDUCATION

The Special Education Department provides a continuum of services to meet the academic, social, emotional and physical needs of students requiring special education services. Through the Planning and Placement Team process, a student's Individualized Education Plan is developed which outlines the recommendations for special education courses, related service supports, and appropriate modifications and/or accommodations. For all students receiving special education support, a special education teacher is assigned as a case manager who oversees the implementation of the student's IEP and serves as a liaison with the student, their parents and their teachers. If you have a question regarding Special Education services please contact your School Counselor or Case Manager as appropriate.

SCHOOL CHOICE OPTIONS

Parents and students are encouraged to explore other educational opportunities that are offered in the school district locally and regionally. These options include magnet, charter, lighthouse and vocational-technical schools; Open Choice and inter-district programs; and vocational agriculture centers. Contact the Counseling Department for further information on these School Choice options.

EARLY GRADUATION

There is a procedure for students considering graduating before they have spent four years at PHS. Early graduation is not recommended for most students and does require administrative approval prior to the start of the school year. If early graduation is being contemplated, the student should discuss this option with a counselor by Nov. 1st of their sophomore year. A student graduating early must still complete all requirements for graduation as described in this Program of Studies.

NCAA CERTIFICATION – PROSPECTIVE COLLEGE ATHLETES

The NCAA Eligibility Center website is www.ncaaclearinghouse.net. You may access the Clearinghouse Home Page directly or through links from the NCAA's website at www.ncaa.org. From the NCAA Clearinghouse website, prospective student-athletes will be able to access information needed to understand the Division I and Division II eligibility requirements, register with the Clearinghouse, and access individual Clearinghouse records. Both Division I and Division II require 16 specific core courses. It is important that prospective student-athletes are aware of the specific requirements and that they select courses with the requirements in mind. See the following two listings for the breakdown in credit expectations:

Division I

NCAA Division I (16-Core Course Rule):

4 years of English

3 years of Mathematics (Algebra I or higher)

2 years of Natural/Physical Science (1 year of lab)

1 year of additional English, Mathematics, or Natural/Physical Science

2 years of Social Science

4 years of additional courses (from any area above, Foreign Language or comparative religion/philosophy)

- 10 of these 16 courses must be completed before the seventh semester (senior year), of high school.
 - 7 of the 10 courses must be in English, Math or Natural/Physical Science. Once you begin your seventh semester, you may not repeat or replace any of those 10 courses to improve your core-course GPA.
- Earn at least a 2.3 GPA in your core courses.
- Earn an SAT combined score or ACT sum score matching your core-course GPA on the Division I sliding scale, which balances your test score and core-course GPA.

Division II

NCAA Division II (16-Core Course Rule):

3 years of English

2 years of Mathematics (Algebra I or higher)

2 years of Natural/Physical Science (1 year of lab)

3 year of additional English, Mathematics, or Natural/Physical Science

2 years of Social Science

4 years of additional courses (from any area above, World Language or comparative religion/philosophy)

- Earn at least a 2.2 GPA in your core courses.
- Earn an SAT combined score or ACT sum score matching your core-course GPA on the Division II sliding scale, which balances your test score and core-course GPA.

For a complete and updated list of Pomperaug's Approved NCAA Courses, please visit www.ncaaclearinghouse.org.

Click on *Prospective Student Athletes* and then select *List of Approved Courses* from the left hand bar. You will need to enter the following information to view the list.

School Name: Pomperaug High School

CT Code: 070685

NCAA Legal Disclaimer: The list of NCAA courses, and courses contained within, are maintained as a guide for prospective student-athletes seeking NCAA initial-eligibility. The lists of approved courses does not, nor is intended to, signify accreditation, certification, approval or endorsement of any high school or specific courses by the NCAA or NCAA Eligibility Center and is subject to change at any time and without notice. Core course information included on this Web site is provided for guidance and should not be solely relied on as an indication of NCAA initial-eligibility. **Certification of a prospective student-athlete is case-specific, and the Eligibility Center has the authority to determine in its sole discretion whether the prospective student-athlete has met all criteria.**

CLASS REGISTRATION RESOURCES

COURSE LIST

Key: A=Academic, Honors, AP=Advanced Placement, ECE=Early College Experience

*Prerequisite(s), **Corequisite

Fine Arts	CTE	STEM	Civics	English		Course Credit	Course Level	Grade 9	Grade 10	Grade 11	Grade 12
				Course Number	Course Name						
				1012	English I	1	A	X			
				1011	English I Honors	1	H	X			
				1022	English II*	1	A		X		
				1021	English II* Honors	1	H		X		
				1032	English III*	1	A			X	
				1031	English III* Honors	1	H			X	
				1391	AP English Language and Composition*	1	AP			X	
				1020	Creative Writing	0.5	A	X	X	X	
				1005	Essentials of English I	1	A	X			
				1006	Essentials of English II	1	A		X		
				1007	Essentials of English III	1	A			X	
				1008	Essentials of English IV	1	A				X
				1491	AP English Literature and Composition*	1	AP				X
				1056	The Art of the Story	0.5	A				X
				1059	Authentic Literacy	0.5	A				X
				1061	Contemporary Issues	0.5	A				X
				1058	Criminal Judgements Honors	0.5	H				X
				1053	Gender Studies in Literature	0.5	A				X
				1057	Journalism Honors	0.5	H				X

				1049	Philosophy and Narrative	0.5	A				X
				1016	Public Speaking	0.5	A				X
				1048	Science Fiction: The Human Mind & Modern World	0.5	A				X
Fine Arts	CTE	STEM	Civics	Social Studies		Course Credit	Course Level	Grade 9	Grade 10	Grade 11	Grade 12
				Course Number	Course Name						
				2017	Global History	1	A	X			
				2018	Global History Honors	1	H	X			
				2032	US History*	1	A		X	X	
				2031	US History* Honors	1	H		X	X	
				2005	Essentials of Social Studies I	1	A	X			
				2006	Essentials of Social Studies II	1	A		X		
				2091	AP United States History*	1	AP			X	X
			X	2042	Practical Law	0.5	A			X	X
			X	2432	Participatory Civics	0.5	A			X	X
				2057	African American/Black and Puerto Rican/Latino Course Studies	1	A	X	X	X	X
				2047	Conversations on Race	0.5	A			X	X
				2048	Human Rights	0.5	A			X	X
				2046	Global Problem Solving	0.5	A			X	X
				2038	Psychology	0.5	A		X	X	X
				2226	Sociology	0.5	A		X	X	X
				2029	World Geography	0.5	A		X	X	X
				2391	AP Psychology*	1	AP			X	X
				2191	AP European History*	1	AP		X	X	X
				2491	AP Macroeconomics*	1	AP			X	X
			X	2291	AP U.S. Government and Politics*	1	AP		X	X	X

Fine Arts	CTE	STEM	Civics	World Language		Course Credit	Course Level	Grade 9	Grade 10	Grade 11	Grade 12
				Course Number	Course Name						
				3012	French I	1	A	X	X	X	X
				3022	French II*	1	A	X	X	X	X
				3021	French II Honors*	1	H	X	X	X	X
				3032	French III*	1	A		X	X	X
				3031	French III Honors*	1	H		X	X	X
				331	French IV	1				X	X
				3041	French IV Honors*	1	H			X	X
				3041	ECE French V*	1	H				X
				3091	AP French Language & Culture*	1	AP			X	X
				3112	Spanish I	1	A	X	X	X	X
				3115	Spanish I - Cultural	1	A	X	X	X	X
				3122	Spanish II*	1	A	X	X	X	X
				3111	Spanish II Honors*	1	H	X	X	X	X
				3132	Spanish III*	1	A		X	X	X
				3131	Spanish III Honors*	1	H		X	X	X
				3142	Spanish IV*	1	A			X	X
				3141	Spanish IV Honors*	1	H			X	X
				3151	ECE Spanish V*	1	H				X
				3191	AP Spanish Language & Culture*	1	AP				X
	X			3123	Spanish for Healthcare Professionals*	0.5	A			X	X
				3312	Italian I	1	A	X	X	X	X
				3313	Italian II*	1	A		X	X	X
				3314	Italian III*	1	A			X	X
				3315	ECE Italian IV*	1	H				X
Fine Arts	CTE	STEM	Civics	Math		Course Credit	Course Level	Grade 9	Grade 10	Grade 11	Grade 12
				Course Number	Course Name						
		X		4312	Algebra I – B	1	A	X			

		X		4012	Algebra I - A	1	A	X			
		X		4026	Geometry - B*	1	A		X		
		X		4022	Geometry - A*	1	A	X	X		
		X		4011	Geometry Honors*	1	H	X	X		
		X		4132	Algebra II - B*	1	A		X	X	
		X		4032	Algebra II – A*	1	A		X	X	
		X		4021	Algebra II Honors*	1	H		X	X	
		X		4005	Essentials of Math I	1	A	X			
		X		4006	Essentials of Math II	1	A		X		
		X		4007	Essentials of Math III	1	A			X	
		X		4008	Essentials of Math IV	1	A				X
		X		4232	College Algebra	1	A			X	X
	X	X		4432	Personal Finance	1	A			X	X
		X		4142	Probability & Statistics *	1	A			X	X
		X		4042	Precalculus*	1	A			X	X
		X		4031	Precalculus Honors*	1	H			X	X
		X		4151	Calculus Honors*	1	H				X
		X		4091	AP Calculus AB*	1	AP				X
		X		4191	AP Statistics*	1	AP				X
	X	X		4391	AP Computer Science A	1	AP			X	X
Fine Arts	CTE	STEM	Civics	Science		Course Credit	Course Level	Grade 9	Grade 10	Grade 11	Grade 12
				Course Number	Course Name						
		X		5112	Integrated Earth and Physical Science	1	A	X			
		X		5111	Integrated Earth and Physical Science Honors	1	H	X			
		X		5022	Biology*	1	A		X		
		X		5011	Biology Honors*	1	H		X		
		X		5005	Essentials of Science I	1	A	X			
		X		5006	Essentials of Science II	1	A		X		
		X		5032	Chemistry*	1	A			X	X

		X		5021	Chemistry Honors*	1	H		X	X	X
		X		5035	Applications of Chemical Science	1	A			X	X
		X		5091	AP Biology*	1	AP			X	X
		X		5191	AP Chemistry*	1	AP			X	X
		X		5591	AP Environmental Science*	1	AP			X	X
		X		5042	Physics*	1	A			X	X
		X		5031	Physics Honors*	1	H			X	X
		X		5391	AP Physics I*	1	AP			X	X
		X		5291	AP Physics C	1	AP				X
		X		5052	Anatomy & Physiology Honors*	1	H			X	X
		X		5217	Astronomy*	0.5	A		X	X	X
		X		5216	Geology*	0.5	A		X	X	X
		X		5612	Meteorology*	0.5	A		X	X	X
		X		5442	Human Biology*	0.5	A		X	X	X
		X		5311	Marine Biology*	0.5	A		X	X	X
		X		5412	Field Biology*	0.5	A		X	X	X
		X		5413	Environmental Science*	0.5	A		X	X	X
		X		5310	Forensic Science I*	0.5	A		X	X	X
		X		5313	Forensic Science II*	0.5	A		X	X	X
Fine Arts	CTE	STEM	Civics	Business and Finance Technology		Course Credit	Course Level	Grade 9	Grade 10	Grade 11	Grade 12
				Course Number	Course Name						
	X	X		6414	Accounting I/Proprietorship	0.5	A	X	X	X	X
	X	X		6415	Accounting II/Partnership*	0.5	A	X	X	X	X
	X	X		6419	ECE Essentials of Accounting & Business*	0.5	H		X	X	X
	X	X		6421	Economics	0.5	A	X	X	X	X
	X	X		6461	Marketing	0.5	A	X	X	X	X
X	X			1060	Publication & Yearbook Design	1	A		X	X	X

Fine Arts	CTE	STEM	Civics	Family and Consumer Science		Course Credit	Course Level	Grade 9	Grade 10	Grade 11	Grade 12
				Course Number	Course Name						
	X	X		6310	Culinary Arts I	0.5	A	X	X	X	X
	X	X		6311	Culinary Arts II*	0.5	A		X	X	X
	X	X		6320	Exploring Childhood I	0.5	A	X	X	X	X
	X	X		6321	Exploring Childhood II*	0.5	A		X	X	X
	X	X		6317	Interior Design	0.5	A	X	X	X	X
	X	X		6312	International Cultures & Cuisine*	0.5	A		X	X	X
Fine Arts	CTE	STEM	Civics	Technology and Engineering Education		Course Credit	Course Level	Grade 9	Grade 10	Grade 11	Grade 12
				Course Number	Course Name						
	X	X		6262	Advanced Drones*	0.5	A			X	X
	X	X		6244	ECE Advanced Game Design*	0.5	H		X	X	X
	X	X		6220	Advanced Graphics*	0.5	A		X	X	X
X	X	X		6213	Animation	0.5	A	X	X	X	X
	X	X		6049	AP Capstone Seminar	1	A		X	X	X
	X	X		6059	AP Capstone Research*	1	A			X	X
	X	X		6522	AP Computer Science Principles	1	AP		X	X	X
	X	X		6229	Architectural Design	0.5	A	X	X	X	X
	X	X		6218	Computer Design I	0.5	A	X	X	X	X
	X	X		6214	Computer Design II*	0.5	A		X	X	X
	X	X		6251	Computer Science Honors*	0.5	H		X	X	X
	X	X		6261	Collaborative Peer Research	0.5	A		X	X	X
	X	X		6260	Drone Experience - J.O.S.H.	0.5	A	X	X	X	X
	X	X		6243	Electronics & Robotics	0.5	A	X	X	X	X
X	X	X		6219	Graphic Communication	0.5	A	X	X	X	X

	X	X		6265	Information Systems	0.5	A		X	X	X
	X	X		6249	Mechanical Engineering	0.5	A	X	X	X	X
	X	X		6242	Programming for Game Design	0.5	A	X	X	X	X
	X	X		6252	Robotics Honors*	0.5	H		X	X	X
	X	X		6247	Transportation Engineering	0.5	A		X	X	X
	X	X		6250	Woodworking I	0.5	A	X	X	X	X
	X	X		6251	Woodworking II	0.5	A	X	X	X	X
Fine Arts	CTE	STEM	Civics	Art		Course Credit	Course Level	Grade 9	Grade 10	Grade 11	Grade 12
				Course Number	Course Name						
X				6091	AP Studio Art	1	AP			X	X
X				6020	Ceramics & Pottery I	0.5	A	X	X	X	X
X				6021	Ceramics & Pottery II*	0.5	A	X	X	X	X
X				6022	Ceramics & Pottery Advanced*	0.5	A		X	X	X
X				6030	Drawing and Painting I	0.5	A	X	X	X	X
X				6031	Drawing and Painting II*	1	A		X	X	X
X				6029	Foundations of Design I	0.5	A	X	X	X	X
X				6046	Foundations of Design II*	0.5	A		X	X	X
X				6070	Introduction to Printmaking	0.5	A		X	X	X
X				6010	Photography I	0.5	A	X	X	X	X
X				6011	Photography II*	0.5	A		X	X	X
X				6040	Sculpture I	0.5	A	X	X	X	X
X				6041	Sculpture II*	0.5	A		X	X	X
X	X			6221	Video Production I	0.5	A	X	X	X	X
X	X			6223	Video Production II*	0.5	A	X	X	X	X
X	X			6224	Video Production III*	0.5	A		X	X	X
Fine Arts	CTE	STEM	Civics	Music		Course Credit	Course Level	Grade 9	Grade 10	Grade 11	Grade 12

				Course Number	Course Name						
X				6191	AP Music Theory*	1	AP		X	X	X
X				6132	Chamber Orchestra	0.5	A		X	X	X
X				6123	Chamber Singers	0.5	A	X	X	X	X
X				6121	Chorale*	1	A		X	X	X
X				6100	Concert Band	1	A	X	X	X	X
X				6120	Concert Choir	1	A	X	X	X	X
X				6146	Digital Composition	0.5	A	X	X	X	X
X				6151	ECE Popular Music & Diversity in American Society*	0.5	H		X	X	X
X				6147	Introduction to Composition Theory	0.5	A	X	X	X	X
X				6149	Introduction to Guitar	0.5	A	X	X	X	X
X				6148	Introduction to Pop and Rock	0.5	A	X	X	X	X
X				6142	Introduction To Piano Keyboarding	0.5	A	X	X	X	X
X				6103	Jazz Band	0.5	A	X	X	X	X
X				6145	Musical Theater & Film Music	0.5	A	X	X	X	X
X				6140	Music Theory	1	A	X	X	X	X
X				6112	Orchestra	1	A	X	X	X	X
X				6150	Small Ensemble	0.5	X	X	X	X	X
X				6101	Symphonic Band*	1	A		X	X	X
Fine Arts	CTE	STEM	Civics	Theater Arts		Course Credit	Course Level	Grade 9	Grade 10	Grade 11	Grade 12
				Course Number	Course Name						
X				6501	Acting I	0.5	A	X	X	X	X
X				6502	Acting II	0.5	A	X	X	X	X
X				6505	Sketch Comedy and Improvisation	0.5	A	X	X	X	X
X	X			6511	Stagecraft in Production	0.5	A	X	X	X	X
Fine Arts	CTE	STEM	Civics	Health/Physical Education		Course Credit	Course Level	Grade 9	Grade 10	Grade 11	Grade 12

				Course Number	Course Name						
				9600	9th Grade Physical Education & Health	0.5	A	X			
				9626	10th Grade Dynamic Physical Education	0.5	A		X		
				9606	10th Grade Fitness & Wellness	0.5	A		X		
				9621	10th Grade Recreation & Wellness	0.5			X		
				9605	Adventure Physical Education*	0.5	A			X	X
				9629	Athletic Conditioning & Performance*	0.5	A			X	X
				9604	Dance	0.5	A			X	X
				9632	ECE Exercise & Wellness for Everyone	0.5	H			X	X
				9615	First Aid, CPR & AED*	0.5	A			X	X
				9606	Group Fitness	0.5	A		X		
				9617	Lifeguard Training*	0.5	A			X	X
				9608	Mixed Martial Arts (MMA)*	0.5	A			X	X
				9630	Peer Health Educators*	0.5	A			X	X
				9607	Recreational and Net Games*	0.5	A			X	X
				9610	Self-Defense*	0.5	A			X	X
				9611	Team Sports*	0.5	A			X	X
				9616	Weight Training and Body Building*	0.5	A			X	X
				9609	Yoga/Pilates*	0.5	A			X	X
				9622	Online Healthy Foods*	0.5	A			X	X

9th GRADE COURSE OPTIONS

	Available Levels	Credit	Notes
English			
English I	Academic/Honors	1.0	*Required
Creative Writing	Academic	0.5	
Social Studies			
Global History	Academic/Honors	1.0	*Required
African American/Black and Puerto Rican/Latino Studies	Academic	1.0	
Math			*One of the following is required and will be recommended by your teacher
Algebra 1	Academic A Academic B	1.0*	
Geometry	Academic A Honors	1.0*	
Science			*Required
Integrated Earth & Physical Science	Academic/Honors	1.0*	
Physical Education			
9th Grade PE & Health	Academic	0.5	*Required
World Language			*Please speak with your current World Language Teacher about next year's placement
Spanish I	Academic	1.0	
Spanish I - Cultural	Academic	1.0	
Spanish II	Academic/Honors	1.0	

French I	Academic	1.0	
French II	Academic/Honors	1.0	
Italian I	Academic	1.0	
Business & Finance Electives			Courses noted with an * have a prerequisite
Accounting I/Proprietorship	Academic	0.5	
Accounting II/Partnership*	Academic	0.5	
Economics	Academic	0.5	
Marketing	Academic	0.5	
Family & Consumer Science Electives			Courses noted with an * have a prerequisite
Culinary Arts I	Academic	0.5	
Exploring Childhood I	Academic	0.5	
Interior Design	Academic	0.5	+Course will run every other year based on enrollment
Technology Electives			Courses noted with an * have a prerequisite
Animation	Academic	0.5	
Architectural Design	Academic	0.5	
Computer Design I	Academic	0.5	
Drone Experience - J.O.S.H.	Academic	0.5	
Electronics & Robotics	Academic	0.5	
Graphic Communication	Academic	0.5	
Mechanical Engineering	Academic	0.5	
Programming for Game Design	Academic	0.5	

Woodworking I	Academic	0.5	
Woodworking II	Academic	0.5	
Theatre Arts Electives			Courses noted with an * have a prerequisite
Acting I	Academic	0.5	
Acting II*	Academic	0.5	
Sketch Comedy and Improvisation	Academic	0.5	
Stagecraft in Production	Academic	0.5	
Art Electives			
Ceramics & Pottery 1	Academic	0.5	
Ceramics & Pottery II*	Academic	0.5	
Drawing & Painting I	Academic	0.5	
Foundations of Design I			
Photography I	Academic	0.5	
Sculpture I	Academic	0.5	
Video Production I	Academic	0.5	
Video Production II*	Academic	0.5	
Music Electives			Courses noted with an * have a prerequisite
Chamber Singers	Academic	0.5	
Concert Band	Academic	1.0	
Concert Choir	Academic	1.0	
Digital Composition	Academic	0.5	
Introduction to Composition Theory	Academic	0.5	
Introduction to Guitar	Academic	0.5	

Introduction to Pop and Rock	Academic	0.5	
Intro to Piano Keyboarding	Academic	0.5	
Jazz Band	Academic	0.5	
Musical Theater & Film Music	Academic	0.5	
Music Theory	Academic	1.0	
Orchestra	Academic	1.0	
Small Ensemble	Academic	0.5	

10th GRADE COURSE OPTIONS

	Available Levels	Credit	Notes
English			
English II	Academic/Honors	1.0	*Required
Creative Writing	Academic	0.5	
Contemporary Issues	Academic	0,5	
Social Studies			*One of the following 1.0 credit courses is required
U.S. History	Academic/Honors	1.0*	
AP European History	Advanced Placement	1.0*	+Student will take AP U.S. History their Junior Year
AP U.S. Government & Politics	Advanced Placement	1.0*	+Student will take AP U.S. History their Junior Year +This course fulfills the PHS Civics graduation requirement
African American/Black and Puerto Rican/Latino Studies	Academic	1.0	
Psychology	Academic	0.5	
Sociology	Academic	0.5	+Please note a field trip for this course requires students to be 16 or older. Students under the age of 16 will be given an alternate activity
World Geography	Academic	0.5	
Math			*One of the following is required
Geometry	Academic A Academic B Honors	1.0*	+For those students who took Algebra 1 Freshman year

Algebra II	Academic A Honors	1.0*	+For those students who took Geometry Freshman year
Science			*One of the following 1.0 credit courses is required
Biology	Academic/Honors	1.0*	
Chemistry	Honors Level Only if taking in 10th Grade	1.0*	+This is an accelerated course. These students must enroll in AP Biology Junior year +Must also be enrolled in Algebra II concurrently
Astronomy	Academic	0.5	
Environmental Science	Academic	0.5	
Forensic Science I	Academic	0.5	
Forensic Science II*	Academic	0.5	
Field Biology	Academic	0.5	
Geology	Academic	0.5	
Human Biology	Academic	0.5	
Marine Biology	Academic	0.5	
Meteorology	Academic	0.5	
Physical Education			*One of the following Required
10th Grade PE & Health = Health Related Fitness	Academic	0.5	
Dynamic Physical Education	Academic	0.5	
Group Fitness	Academic	0.5	
World Language			*Please speak with your current World Language Teacher about next year's placement
Spanish I - III	Academic/Honors	1.0	

French I - III	Academic/Honors	1.0	
Italian I - II	Academic	1.0	
Business & Finance Electives			Courses noted with an * have a prerequisite
Accounting I/Proprietorship	Academic	0.5	
Accounting II/Partnership*	Academic	0.5	
ECE Essentials of Accounting & Business*	Honors	0.5	
Economics	Academic	0.5	
Marketing	Academic	0.5	
Publication and Yearbook Design	Academic	1.0	
Family & Consumer Science Electives			Courses noted with an * have a prerequisite
Culinary Arts I	Academic	0.5	
Culinary Arts II*	Academic	0.5	
Exploring Childhood I	Academic	0.5	
Exploring Childhood II*	Academic	0.5	+Course will run every other year based on enrollment
Interior Design	Academic	0.5	+Course will run every other year based on enrollment
International Cultures & Cuisine*	Academic	0.5	
Technology Electives			Courses noted with an * have a prerequisite
Advanced Graphics*	Academic	0.5	

Animation	Academic	0.5	
AP Capstone Seminar	Advanced Placement	1.0	
AP Computer Science Principles	Advanced Placement	1.0	
Architectural Design	Academic	0.5	
Computer Design I	Academic	0.5	
Computer Design II*	Academic	0.5	
Computer Science Honors*	Honors	0.5	
Collaborative Peer Research	Academic	0.5	
Drone Experience - J.O.S.H.	Academic	0.5	
ECE Advanced Game Design*	Honors	0.5	
Electronics & Robotics	Academic	0.5	
Graphic Communication	Academic	0.5	
Information Systems	Academic	0.5	
Mechanical Engineering	Academic	0.5	
Programming for Game Design	Academic	0.5	
Robotics Honors*	Honors	0.5	
Transportation Engineering	Academic	0.5	
Woodworking I	Academic	0.5	
Woodworking II*	Academic	0.5	
Theatre Arts Electives			Courses noted with an * have a prerequisite
Acting I	Academic	0.5	
Acting II*	Academic	0.5	

Stagecraft in Production	Academic	0.5	
Sketch Comedy and Improvisation	Academic	0.5	
Art Electives			Courses noted with an * have a prerequisite
Ceramics & Pottery 1	Academic	0.5	
Ceramics & Pottery 2*	Academic	0.5	
Ceramics & Pottery Advanced*	Academic	0.5	
Drawing & Painting I	Academic	0.5	
Drawing & Painting II*	Academic	1.0	
Foundations of Design I	Academic	0.5	
Foundations of Design II*	Academic	0.5	
Introduction to Printmaking	Academic	0.5	
Photography I	Academic	0.5	
Photography II*	Academic	0.5	
Sculpture I	Academic	0.5	
Sculpture II*	Academic	0.5	
Video Production I	Academic	0.5	
Video Production II*	Academic	0.5	
Video Production III*	Academic	0.5	
Music Electives			Courses noted with an * have a prerequisite
AP Music Theory	Academic	1.0	
Chamber Orchestra	Academic	0.5	
Chamber Singers	Academic	0.5	
Chorale	Academic	1.0	

Concert Band	Academic	1.0	
Concert Choir	Academic	1.0	
Digital Composition	Academic	0.5	
ECE Popular Music & Diversity in American Society*	Honors	0.5	
Introduction to Composition Theory	Academic	0.5	
Introduction to Guitar	Academic	0.5	
Introduction to Pop and Rock	Academic	0.5	
Introduction to Piano Keyboarding	Academic	0.5	
Jazz Band	Academic	0.5	
Music Theater & Film Music	Academic	0.5	
Music Theory	Academic	1.0	
Orchestra	Academic	1.0	
Small Ensemble	Academic	0.5	
Symphonic Band	Academic	1.0	

11th GRADE COURSE OPTIONS

	Available Levels	Credit	Notes
English			*One of the following 1.0 credit courses is required
English III	Academic/Honors	1.0*	
AP English Language and Composition	Advanced Placement	1.0*	
Creative Writing	Academic	0.5	
Contemporary Issues	Academic	0.5	
Social Studies			*1.0 total credit required
U.S. History	Academic/Honors or Advanced Placement	1.0	+For students who took either AP European History or AP U.S. Government in 10th Grade
Practical Law	Academic	0.5	+This course fulfills the PHS Civics graduation requirement
Participatory Civics	Academic	0.5	+This course fulfills the PHS Civics graduation requirement
African American/Black and Puerto Rican/Latino Studies	Academic	1.0	
Conversations on Race	Academic	0.5	
Human Rights	Academic	0.5	
Global Problem Solving	Academic	0.5	
Psychology	Academic	0.5	
Sociology	Academic	0.5	
World Geography	Academic	0.5	
AP Psychology	Advanced Placement	1.0	

AP European History	Advanced Placement	1.0	
AP Macroeconomics	Advanced Placement	1.0	
AP U.S. Government & Politics	Advanced Placement	1.0	+This course fulfills the PHS Civics graduation requirement
Math			*1.0 Credit required and will be recommended by teachers
Algebra II	Academic A Academic B Honors	1.0	+For those students who took Geometry as Sophomores
College Algebra	Academic	1.0	+For those students who took Algebra II as Sophomores
Personal Finance	Academic	1.0	
Probability & Statistics	Academic	1.0	+For those students who took Algebra II as Sophomores
PreCalculus	Academic/Honors	1.0	+For those students who took Algebra II as Sophomores
AP Computer Science (A)	Advanced Placement	1.0	+Successful completion of Algebra II required
Science			*1.0 Credit required
Chemistry	Academic/Honors Advanced Placement	1.0	+Meets the Chemistry graduation requirement
Applications of Chemical Science	Academic	1.0	+Meets the Chemistry graduation requirement
AP Biology	Advanced Placement	1.0	+For those students who took Honors Chemistry as Sophomores
AP Environmental Science	Advanced Placement	1.0	+Must concurrently be enrolled in Chemistry
Physics	Academic/Honors	1.0	+For students who completed Chemistry as Sophomores +Concurrent enrollment in Precalculus recommended

AP Physics I	Advanced Placement	1.0	+For students who completed Chemistry as Sophomores +Concurrent enrollment in Precalculus strongly recommended
Anatomy and Physiology	Honors	1.0	
Astronomy	Academic	0.5	
Environmental Science	Academic	0.5	
Field Biology	Academic	0.5	
Forensic Science I	Academic	0.5	
Forensic Science II	Academic	0.5	
Geology	Academic	0.5	
Human Biology	Academic	0.5	
Marine Biology	Academic	0.5	
Meteorology	Academic	0.5	
Physical Education			*Students are required to complete a total of 1.0 credit of Physical Education in their Junior and Senior year.
Adventure Physical Education	Academic	0.5	
Athletic Conditioning & Performance	Academic	0.5	
Dance	Academic	0.5	
ECE Exercise & Wellness for Everyone	Honors	0.5	
First Aid, CPR & AED	Academic	0.5	
Group Fitness	Academic	0.5	
Lifeguard Training	Academic	0.5	
Mixed Martial Arts	Academic	0.5	

Peer Health Educators	Academic	0.5	
Recreational & Net Games	Academic	0.5	
Self-Defense	Academic	0.5	
Team Sports	Academic	0.5	
Weight Training & Bodybuilding	Academic	0.5	
Yoga & Pilates	Academic	0.5	
Online Healthy Foods	Academic	0.5	
Online Walking & Jogging	Academic	0.5	
World Language			*Please speak with your current World Language Teacher about next year's placement
Spanish I - IV	Academic/Honors	1.0	
French I - IV	Academic/Honors	1.0	
Italian I - III	Academic	1.0	
Spanish for Healthcare Professionals	Academic	0.5	+Students must have completed Spanish III to enroll
Business & Finance Electives			Courses noted with an * have a prerequisite
Accounting I/Proprietorship	Academic	0.5	
Accounting II/Partnership*	Academic	0.5	
ECE Essentials of Accounting & Business*	Honors	0.5	
Economics	Academic	0.5	
Marketing	Academic	0.5	

Publication and Yearbook Design	Academic	1.0	
Family & Consumer Science Electives			Courses noted with an * have a prerequisite
Culinary Arts I	Academic	0.5	
Culinary Arts II*	Academic	0.5	
Exploring Childhood I	Academic	0.5	
Exploring Childhood II*	Academic	0.5	+Course will run every other year based on enrollment
Interior Design	Academic	0.5	+Course will run every other year based on enrollment
International Cultures & Cuisine*	Academic	0.5	
Technology Electives			Courses noted with an * have a prerequisite
Advanced Drones*	Academic	0.5	+Must be 16 by the end of course
Advanced Graphics*	Academic	0.5	
Animation	Academic	0.5	
AP Capstone Seminar	Advanced Placement	1.0	
AP Computer Science Principles	Advanced Placement	1.0	
Architectural Design	Academic	0.5	
Computer Design I	Academic	0.5	
Computer Design II*	Academic	0.5	
Computer Science Honors*	Honors	0.5	
Collaborative Peer Research	Academic	0.5	

Drone Experience - J.O.S.H.	Academic	0.5	
ECE Advanced Game Design*	Honors	0.5	
Electronics & Robotics	Academic	0.5	
Graphic Communication	Academic	0.5	
Information Systems	Academic	0.5	
Mechanical Engineering	Academic	0.5	
Programming for Game Design	Academic	0.5	
Robotics Honors*	Honors	0.5	
Transportation Engineering	Academic	0.5	
Woodworking I	Academic	0.5	
Woodworking II*	Academic	0.5	
Theatre Arts Electives			Courses noted with an * have a prerequisite
Acting I	Academic	0.5	
Acting II*	Academic	0.5	
Stagecraft in Production	Academic	0.5	
Sketch Comedy and Improvisation	Academic	0.5	
Art Electives			Courses noted with an * have a prerequisite
AP Studio Art*	Advanced Placement	1.0	
Ceramics & Pottery 1	Academic	0.5	
Ceramics & Pottery 2*	Academic	0.5	
Ceramics & Pottery Advanced*	Academic	0.5	
Drawing & Painting I	Academic	0.5	

Drawing & Painting II*	Academic	1.0	
Foundations of Design I	Academic	0.5	
Foundations of Design II*	Academic	0.5	
Introduction to Printmaking	Academic	0.5	
Photography I	Academic	0.5	
Photography II*	Academic	0.5	
Sculpture I	Academic	0.5	
Sculpture II*	Academic	0.5	
Video Production I	Academic	0.5	
Video Production II*	Academic	0.5	
Video Production III*	Academic	0.5	
Music Electives			
AP Music Theory	Academic	1.0	
Chamber Orchestra	Academic	0.5	
Chamber Singers	Academic	0.5	
Chorale	Academic	1.0	
Concert Band	Academic	1.0	
Concert Choir	Academic	1.0	
Digital Composition	Academic	0.5	
ECE Popular Music & Diversity in American Society*	Honors	0.5	
Introduction to Composition Theory	Academic	0.5	
Introduction to Guitar	Academic	0.5	
Introduction to Pop and Rock	Academic	0.5	

Introduction to Piano Keyboarding	Academic	0.5	
Jazz Band	Academic	0.5	
Music Theater & Film Music	Academic	0.5	
Music Theory	Academic	1.0	
Orchestra	Academic	1.0	
Small Ensemble	Academic	0.5	
Symphonic Band	Academic	1.0	

12th GRADE COURSE OPTIONS

	Available Levels	Credit	Notes
English			*Seniors must enroll in either AP English Literature or TWO 0.5 Senior Elective
AP English Literature and Composition	Advanced Placement	1.0*	
<i>Senior English Electives</i>			
The Art of the Story	Academic	0.5*	
Authentic Literacy	Academic	0.5	
Contemporary Issues	Academic	0.5	
Criminal Judgements	Honors	0.5	
Gender Studies in Literature	Academic	0.5	
Journalism	Honors	0.5*	
Philosophy & Narrative	Academic	0.5*	
Public Speaking	Academic	0.5*	
Science Fiction: The Human Mind & the Modern World	Academic	0.5*	
Social Studies			*Reminder - students must have a total of 3.5 credits to graduate including civics.
Practical Law	Academic	0.5	+This course fulfills the PHS Civics graduation requirement
Participatory Civics	Academic	0.5	+This course fulfills the PHS Civics graduation requirement
African American/Black and Puerto Rican/Latino Studies	Academic	1.0	

Conversations on Race	Academic	0.5	
Human Rights	Academic	0.5	
Global Problem Solving	Academic	0.5	
Psychology	Academic	0.5	
Sociology	Academic	0.5	
World Geography	Academic	0.5	
AP Psychology	Advanced Placement	1.0	
AP European History	Advanced Placement	1.0	
AP Macroeconomics	Advanced Placement	1.0	
AP U.S. Government & Politics	Advanced Placement	1.0	+This course fulfills the PHS Civics graduation requirement
Math			
College Algebra	Academic	1.0	
Personal Finance	Academic	1.0	
Probability & Statistics	Academic	1.0	
PreCalculus	Academic/Honors	1.0	
Calculus	Honors	1.0	
AP Calculus AB	Advanced Placement		
AP Computer Science (A)	Advanced Placement	1.0	+Successful completion of Algebra II required
AP Statistics	Advanced Placement		
Science			*Although a 4th credit of science is not required for graduation it is recommended
Chemistry	Academic/Honors Advanced Placement	1.0	+Meets the Chemistry graduation requirement.

Applications of Chemical Science	Academic	1.0	+Meets the Chemistry graduation requirement
Physics	Academic/Honors	1.0	+Concurrent enrollment in Precalculus recommended
AP Physics I	Advanced Placement	1.0	+Concurrent enrollment in Precalculus strongly recommended
AP Physics C	Advanced Placement	1.0	
AP Biology	Advanced Placement	1.0	+Successful completion of Chemistry required
AP Environmental Science	Advanced Placement	1.0	+Must concurrently be enrolled in or have completed Chemistry
Anatomy and Physiology	Honors	1.0	
Astronomy	Academic	0.5	
Environmental Science	Academic	0.5	
Field Biology	Academic	0.5	
Forensic Science I	Academic	0.5	
Forensic Science II*	Academic	0.5	
Geology	Academic	0.5	
Human Biology	Academic	0.5	
Marine Biology	Academic	0.5	
Meteorology	Academic	0.5	
Physical Education			*Students are required to complete a total of 1.0 credit of Physical Education in their Junior and Senior year.
Adventure Physical Education	Academic	0.5	

Athletic Conditioning & Performance	Academic	0.5	
Dance	Academic	0.5	
ECE Exercise & Wellness for Everyone	Honors	0.5	
First Aid, CPR & AED	Academic	0.5	
Group Fitness	Academic	0.5	
Lifeguard Training	Academic	0.5	
Mixed Martial Arts	Academic	0.5	
Peer Health Educators	Academic	0.5	
Recreational & Net Games	Academic	0.5	
Self-Defense	Academic	0.5	
Team Sports	Academic	0.5	
Weight Training & Bodybuilding	Academic	0.5	
Yoga & Pilates	Academic	0.5	
Online Healthy Foods	Academic	0.5	
Online Walking & Jogging	Academic	0.5	
World Language			*Please speak with your current World Language Teacher about next year's placement
Spanish I - V	Academic/Honors/ECE/ Advanced Placement	1.0	
French I - V	Academic/Honors/ECE/ Advanced Placement	1.0	
Italian I - IV	Academic/ECE	1.0	
Spanish for Healthcare Professionals	Academic	0.5	+Students must have completed Spanish III to enroll

Business & Finance Electives			Courses noted with an * have a prerequisite
Accounting I/Proprietorship	Academic	0.5	
Accounting II/Partnership*	Academic	0.5	
ECE Essentials of Accounting & Business*	Honors	0.5	
Economics	Academic	0.5	
Marketing	Academic	0.5	
Publication and Yearbook Design	Academic	1.0	
Family & Consumer Science Electives			Courses noted with an * have a prerequisite
Culinary Arts I	Academic	0.5	
Culinary Arts II*	Academic	0.5	
Exploring Childhood I	Academic	0.5	
Exploring Childhood II*	Academic	0.5	
Interior Design	Academic	0.5	
International Cultures & Cuisine*	Academic	0.5	
Technology Electives			Courses noted with an * have a prerequisite
Advanced Drones*	Academic	0.5	
Advanced Graphics*	Academic	0.5	
Animation	Academic	0.5	

AP Capstone Seminar	Advanced Placement	1.0	
AP Capstone Research*	Advanced Placement	1.0	
AP Computer Science Principles	Advanced Placement	1.0	
Architectural Design	Academic	0.5	
Computer Design I	Academic	0.5	
Computer Design II*	Academic	0.5	
Computer Science Honors*	Honors	0.5	
Collaborative Peer Research	Academic	0.5	
Drone Experience - J.O.S.H.	Academic	0.5	
ECE Advanced Game Design*	Honors	0.5	
Electronics & Robotics	Academic	0.5	
Graphic Communication	Academic	0.5	
Information Systems	Academic	0.5	
Mechanical Engineering	Academic	0.5	
Programming for Game Design	Academic	0.5	
Robotics Honors*	Honors	0.5	
Transportation Engineering	Academic	0.5	
Woodworking I	Academic	0.5	
Woodworking II*	Academic	0.5	
Theatre Arts Electives			Courses noted with an * have a prerequisite
Acting I	Academic	0.5	
Acting II*	Academic	0.5	
Stagecraft in Production	Academic	0.5	

Sketch Comedy and Improvisation	Academic	0.5	
Art Electives			Courses noted with an * have a prerequisite
AP Studio Art*	Advanced Placement	1.0	
Ceramics & Pottery 1	Academic	0.5	
Ceramics & Pottery 2*	Academic	0.5	
Ceramics & Pottery Advanced*	Academic	0.5	
Drawing & Painting I	Academic	0.5	
Drawing & Painting II*	Academic	1.0	
Foundations of Design I	Academic	0.5	
Foundations of Design II*	Academic	0.5	
Introduction to Printmaking	Academic	0.5	
Photography I	Academic	0.5	
Photography II*	Academic	0.5	
Sculpture I	Academic	0.5	
Sculpture II*	Academic	0.5	
Video Production I	Academic	0.5	
Video Production II*	Academic	0.5	
Video Production III*	Academic	0.5	
Music Electives			
AP Music Theory	Academic	1.0	
Chamber Orchestra	Academic	0.5	
Chamber Singers	Academic	0.5	
Chorale	Academic	1.0	
Concert Band	Academic	1.0	

Concert Choir	Academic	1.0	
Digital Composition	Academic	0.5	
ECE Popular Music & Diversity in American Society*	Honors	0.5	
Introduction to Composition Theory	Academic	0.5	
Introduction to Guitar	Academic	0.5	
Introduction to Pop and Rock	Academic	0.5	
Introduction to Piano Keyboarding	Academic	0.5	
Jazz Band	Academic	0.5	
Musical Theater & Film Music	Academic	0.5	
Music Theory	Academic	1.0	
Orchestra	Academic	1.0	
Small Ensemble	Academic	0.5	
Symphonic Band	Academic	1.0	