

# **NORRISTOWN AREA HIGH SCHOOL**



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**PROGRAM of STUDIES**  
**2026 - 2027**

# **PROGRAM OF STUDIES**

## **NORRISTOWN AREA HIGH SCHOOL**

**1900 Eagle Drive  
Norristown PA 19403  
Phone: (610) 630-5090  
Fax: (610) 630-5115**

**Dr. Detrick McGriff**  
*Principal*

**Sandra Casimir  
Safiya Elliotte  
James Troutman  
Nicole VanBuskirk**  
*Assistant Principals*

### **GUIDANCE OFFICE**

Phone: (610) 630-5080 Fax: (610) 630-5082

**Anamika Anand  
Megan Brennan  
Megan Grosky-McGowan (NOA)  
Deanna Harbaugh  
Marshall Higley  
Jeffrey MacNamara  
Timothy McBride  
Jennie Wolfenson**

**Nichole Mitchell**  
*College Career Center Director*  
(610) 757-3853

**ROOSEVELT CAMPUS  
OF THE NORRISTOWN AREA HIGH SCHOOL**

**1161 Markley Street  
Norristown, PA 19401  
Phone: 610-275-9720**

**Mr. John Conte**  
*Principal (Interim)*

**GUIDANCE OFFICE**  
Phone: (610) 275-9720

**Kristie Snait**

## **FORWARD**

The NAHS Program of Studies is designed to help students and parents/guardians choose, follow, and complete a path to graduation that will prepare students for success beyond high school. This document provides general information, including the policies, procedures and requirements of the Norristown Area School District and NAHS, and includes descriptions of all of our course offerings.

Our mission is to maintain high expectations for all of our students. Together as teachers, staff members, and administrators, we strive to consistently improve our instructional practices in order to support student success. We encourage students, parents, and guardians to become familiar with the contents of the Program of Studies that will be supporting the successful educational environment at NAHS.

All courses are college preparatory because we believe that it is our responsibility to provide all students with the opportunity to go to college. There is a Weighted Honors option for many of our core courses. There are also a variety of Advanced Placement offerings in order to enable students the potential to earn college credit while in high school.

All NAHS students and their parents/guardians, have access to a variety of support services to assist them with this course selection process. Our Guidance Office and College and Career Center services are described in detail in our student handbook, *The N Book*, which all students receive at the beginning of each school year.

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## **GENERAL INFORMATION**

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## GENERAL INFORMATION

### Subject Level Placement

In many of our required courses, students are placed at various instructional levels based upon information—such as local, state, and national data, along with each student’s individual academic progress—to recommend the course level that will best support their learning. Our goal is to place students where they can be both challenged and successful. If parents have questions about a recommendation, we encourage them to reach out to their child’s current teacher or counselor. Parents may also request an override; these requests are considered while taking into account staffing and scheduling availability (updated 8/27/2025).

### Program Registration and Alteration

During the registration period for the next year’s courses, each student and parent should carefully review and select subjects that will comprise the next school year’s program. Teachers and counselors are available for advice and assistance. Once courses have been selected in Infinite Campus, the program becomes a contract for the next year. Every effort will be made to offer the program as selected by the student and parent; however, certain courses may be canceled due to inadequate enrollment, and others may not be available because of an irresolvable conflict in course availability due to staffing. Student selections must be done carefully at the appropriate time as outlined above. Most students should have no changes after the original course selection in the spring. After school begins in the fall, schedule changes will be made only to correct an error or to accommodate scheduling demands of the building.

### Advanced Placement (AP) Opportunities

Advanced Placement courses are designed to expose students to college-level coursework and activities including intense discussions, collaborative problem solving, and challenging persuasive writing assignments. Students enrolling in an AP course must be committed to dedicating time outside of class to reading and writing assignments. **All students enrolled in the course are required to take the AP exam in the spring.** Scores of 3, 4, or 5 on these exams may translate into college credit at recognized institutions of higher learning. **Once a student has opted into an Advanced Placement or Weighted Honors course, a change to a different course will not be made if course is on student course plan.**

### Dual Enrollment (DE) Opportunity

Norristown Area High School has partnered with Montgomery County Community College (MCCC) for Dual Enrollment opportunities for students. Students may receive both college and high school credit for the successful completion of dual enrollment courses. **NAHS advises that students research the schools they are interested in attending post-high school to verify the transferability of Norristown’s Dual Enrollment and MCCC course credits. All colleges/universities do not always take DE class credits and students should research potential transferability to the institution in which they are interested.** Given that there are financial obligations to dual enrollment courses, if you are interested in enrolling but have financial hardship, please reach out to your school counselor.

### College-Bound Athletes

Students should be aware that the National Collegiate Athletic Association (NCAA) maintains strict criteria for the college admission of athletes. All courses marked by the NCAA logo represent courses that meet the requirements to be considered an approved core course for the NCAA Eligibility Center. Please consult with your counselor and athletic coach concerning these requirements and how they affect your acceptance to the college of your choice. The link for more information is <https://web3.ncaa.org/ecwr3/>.

# GRADUATION REQUIREMENTS

Norristown Area School District and the State of Pennsylvania mandate a combination of requirements for graduation: In order to graduate from a public high school in Pennsylvania, a student must meet specific requirements established by the Local Education Agency (Norristown Area School District) in which they are enrolled. These local requirements include graduation requirements mandated by the Commonwealth to guarantee that a Pennsylvania diploma reflects the knowledge and skills that our graduating students need to be successful in college and the workplace in an increasingly complex and challenging economy.

In addition to the Local Education Agency’s graduation requirements, students must complete one of the state’s graduation pathways.

## Norristown Area School District Course Requirements –

<b><u>Discipline Area</u></b>	<b><u>Courses</u></b>
English	4 credits
I, II, III, IV	
Math/Science	7 credits
Algebra 1, Algebra II, Geometry	
Biology, Chemistry, Science Elective	
Choice of Science or Math Elective	
Social Studies	3 credits
World Cultures, US History, Civics & Government	
Wellness	1 credit
Electives	8 credits

## Remediation

Students who do not demonstrate proficiency in any required course by passing the course, or fail to earn the prescribed number of credits for grade promotion or graduation will be required to recover the missing credits.

## Promotion Requirements

<b>Minimum Credits Required</b>	<b>to Enter Grade</b>
5.0	10
11.0	11
17.0	12
23.0	to Graduate



# Pennsylvania Department of Education

## Keystone Exams

To aid the district in monitoring the achievement of all students, various assessments are administered annually to ascertain tangible data about students' academic skills. Assessment data is one key factor in student course placement. The Keystone Exams, instituted by the PA State Board of Education, are end-of-course assessments designed to assess student proficiency in the subject areas of Algebra, Biology and Literature. Federal accountability requirements state that students must take the Keystone Exams at least one time prior to (or during) the spring of their eleventh grade year. Student Keystone scores are tabulated for school data in a student's 11th grade year. Students taking the Keystone Exam in grades 9 and 10 and who score in the proficient range will have their scores banked for their 11th grade year. To monitor the reading and math achievement of students prior to grade 11, the district administers annual reading and math tests to students in grades 9 and 10. Results are used to place students into appropriate courses and remedial programs.

## Act 158: Graduation Pathways

In addition to the 23 credits required by the Norristown Area School District to graduate from high school, the Commonwealth of Pennsylvania has enacted new requirements for graduation starting with the Class of 2023. These requirements provide for five different pathways to graduation. Students must successfully meet the requirements of one of the five pathways outlined below. For more information please visit <https://www.education.pa.gov>. These pathways are as follows:

### KEYSTONE PROFICIENCY

In addition to completing the required 23 course credits as outlined in the Program of Studies, students must score proficient or advanced on all three Keystone Exams prior to the end of eleventh grade. These exams are given in Algebra, Biology, and Literature.

### KEYSTONE COMPOSITE SCORE

In addition to completing the required 23 course credits as outlined in the Program of Studies, students must score proficient or advanced on at least one Keystone Exam, and no lower than basic on the other two while earning a composite score of 4452 (meaning all three scores added together must equal 4452 or higher). Proficiency requires a score of 1500. A student who scored exactly 1500 on one Keystone Exam would need to average 1476 on the other two Keystone Exams, with neither score being below basic.

### ALTERNATE ASSESSMENT

In addition to completing the required 23 course credits as outlined in the Program of Studies, students must do one of the following:

- Score 1010 or higher on the SAT (not including the writing section)
- Score 970 or above on the PSAT
- Score 21 or above on the ACT
- Attain the minimum score required by any branch of the military on the ASVAB
- Score a 3 or higher on an Advanced Placement Exam that is related to the subject of EACH Keystone Exam for which the student did not score proficient or advanced
- Successfully complete a Dual Enrollment course that is related to the subject of EACH Keystone Exam for which the student did not score proficient or advanced
- Successfully complete a pre-apprenticeship program
- Earn acceptance to an accredited four-year nonprofit postsecondary institution AND have evidence of the ability to enroll in college-level coursework (non-remedial)

## EVIDENCE BASED

In addition to completing the required 23 course credits as outlined in the Program of Studies, students must have evidence of one Category One option and two Category Two options as listed below:

<b>Category One (must have one)</b> <ul style="list-style-type: none"><li>• A score of 3 or higher on an AP Exam</li><li>• Acceptance to any accredited nonprofit post-secondary institution and evidence of the ability to enroll in college-level work</li><li>• Attainment of an industry-recognized credential</li><li>• Successful completion of a Dual Enrollment or postsecondary course</li></ul>	<b>Category Two (must have two)</b> <ul style="list-style-type: none"><li>• Additional items from Category One</li><li>• Completing a service-learning project</li><li>• Scoring proficient or advanced on a Keystone Exam</li><li>• A letter guaranteeing full-time employment</li><li>• Successful completion of an internship or cooperative education program</li><li>• Meeting the NCAA Clearinghouse requirements, including a 2.0 GPA</li></ul>
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## CAREER AND TECHNICAL EDUCATION

In addition to completing the required 23 course credits as outlined in the Program of Studies, students must do one of the following:

- Attain an industry-based competency certification related to the student's CTE program
- Demonstrate a high likelihood of success on an approved industry-based competency assessment
- Demonstrate readiness for continued meaningful engagement in the area of the CTE program of study

The Pennsylvania Department of Education allows for students with disabilities to earn a diploma upon successful completion of their Individualized Education Plan (IEP) if the IEP team demonstrates and documents that the pathways listed above are outside of the scope of the student's IEP.

## Transfer Credits

Because of the variety of high school schedule models currently in existence (e.g., traditional, 4X4, A/B), transfer credits present a unique challenge. During the registration/scheduling process, counselors will review an incoming student's transfer credits and provide a detailed path to graduation. Every effort will be made to align transfer credits with the NAHS Program of Studies. However, in order to receive an NAHS diploma, students must meet the NAHS requirements as outlined in this document, particularly with regard to the requirements for English, Math, Science, Social Studies, and Physical Education.

Students who transfer to our school at the end of a complete school year are most easily accommodated. Students who transfer during the school year without a significant interval between the time they left their previous school and the time they enroll here are generally able to attain a path to graduation with their class. However, students, parents, and guardians should be aware that a transfer occurring after a significant interval between the time students left their previous school and the time they enroll here are subject to receiving partial credit that will require some form of remediation in order to graduate with their class.

## Middle School Math Credits

Students who successfully complete a high school math course (i.e. Algebra I and/or Geometry), will receive high school credit for that course(s). Please note, the grade earned will not be calculated into students high school grade average (GPA) and the student will still need to successfully complete 3 or 4 additional math credits as outlined in the graduation requirements.

## Course Prerequisites

Many courses, especially Advanced Placement or Weighted Honors courses, have prerequisites listed in the Program of Studies.

### **Course Requests**

If there are not a minimum of 15 requests for a course, there is a strong probability that the course will not be offered.

### **Withdrawing from a Class After the School Year Starts**

With mutual agreement between the student, parent, counselor, and administrator, a course may be dropped from a student's schedule once the school year begins. Any such drop after the second week of the semester will result in a withdraw grade being permanently recorded on the student's transcript. If a student's grade in the class from which they are withdrawing is failing at the time of the withdrawal, the student will receive a WF (Withdrawn/Fail) from the course. In calculating the grade point average, withdrawal failing will be considered an attempted credit and withdrawal passing will not be considered as an attempted credit. **Once a student has opted into an Advanced Placement or Weighted Honors course, a change to a different course will NOT be made if course is on student's request form.**

## **CLASS RANK POLICY**

### **Purpose**

The Board establishes a system of computing grade point averages (GPA) and percentile class rank for high school students to inform students, parents/guardians, and others of a student's relative academic placement among his/her peers.

### **Definition**

**Percentile Class Rank** - a system of ranking in which the GPA for all members of a graduating class are grouped on the grading scale by percentage of students earning within a range. For example, twenty-six percent (26%) of the graduating class earned a GPA between 3.5 and 3.99.

### **Authority**

The Board authorizes a system of percentile class rank for students in grades 9-12 and authorizes the publication of ranking across the class. All students in a class shall be ranked together.

### **Delegation of Responsibility**

The Superintendent or designee shall develop procedures for the computation of grade point averages and percentile class rank to implement this policy, which shall include a:

1. System for fairly averaging make-up courses.
2. Statement of the methods used for computation and percentile rank assignment for those to whom a student's grade point average and/or percentile class rank is released.

### **Guidelines**

Weighted and unweighted grade point averages shall be computed cumulatively at the end of each school year using final course grades.

An unweighted grade point average will be calculated for each student and will be based upon the numerical values of A = 4, B = 3, C = 2, D = 1, and F = 0 for all levels of instruction. All coursework taken will be included in the calculation of a student's unweighted grade point average except those courses graded on a pass/fail basis.

A weighted grade point average will be calculated for each student in order to reflect the increased academic rigor of Weighted Honors, Advanced Placement, and Dual Enrollment coursework. A student's weighted GPA will be based on a bonus point system. Bonus points will be added to a student's unweighted GPA for Weighted Honors, Advanced Placement, and Dual Enrollment courses in the following manner. Each Weighted Honors, Advanced Placement, or Dual Enrollment course in which a student has earned a "C" or better will award the student 0.2 bonus points per credit awarded. Bonus points for partial credit courses will be prorated accordingly. A student may earn a maximum of 0.8 bonus points per school year, the equivalent of four (4) one-credit Weighted Honors, Advanced Placement, or Dual Enrollment Courses.



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## **CORE CURRICULUM**

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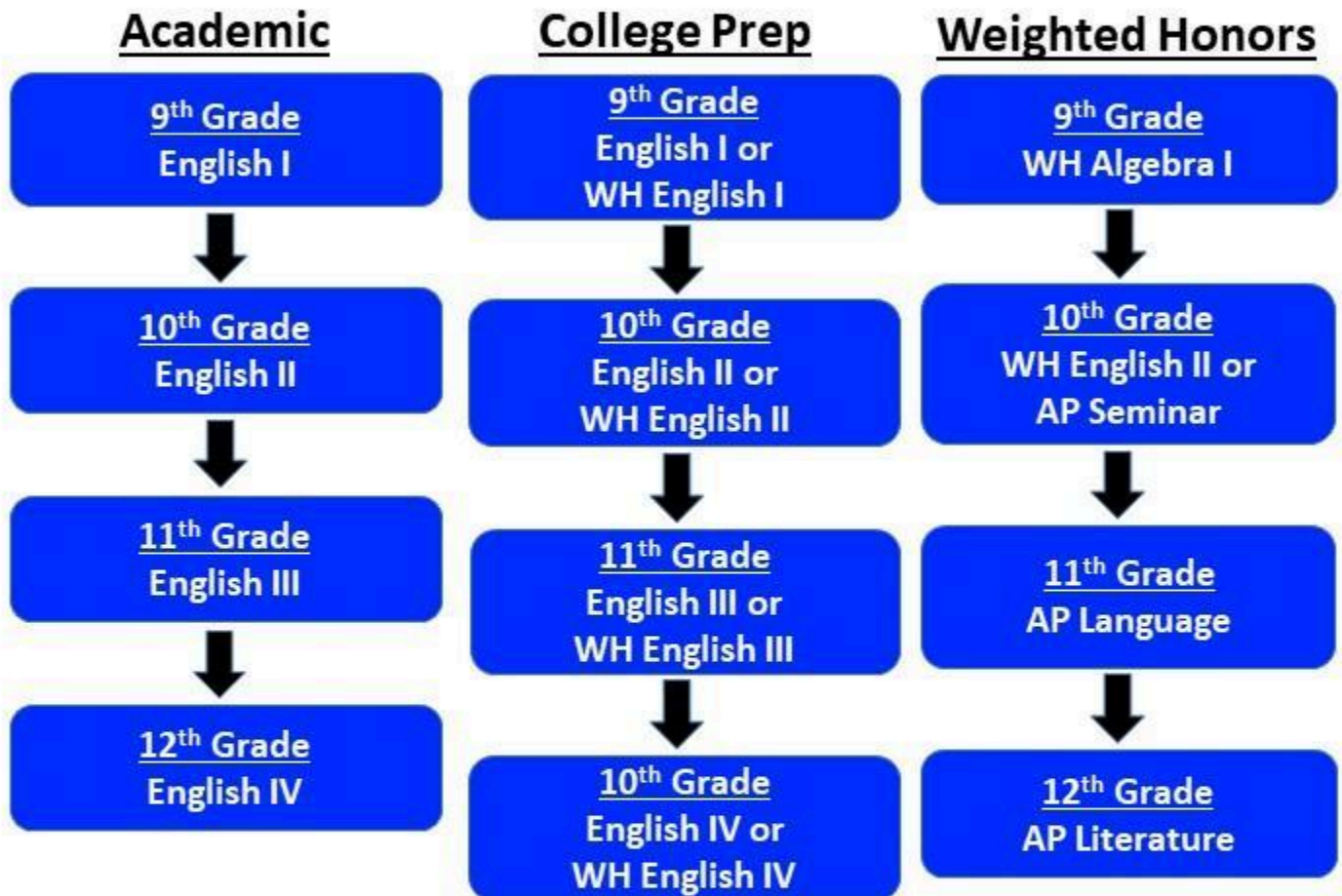
The following courses are graduation requirements in the areas of English, Math, Science, Social Studies, and Health/Physical Education:

# English Course Pathways



## 2026-2027

SAMPLE



# ENGLISH

All English courses are rigorous academic programs that focus on higher level thinking skills and are aligned to PA Core standards.

## 001 - English I - Required

Grade - 9

1 Credit

English I will consist of an introduction to literature (short stories, *Romeo and Juliet* and poetry, with emphasis on basic literary terminology) and expository writing (organization, unity, development of good paragraph and composition structure, and grammar remediation as needed). In addition, each student is required to read several novels and complete a research project. The 9th Grade English course uses are aligned to the PA Core standards for English and Language Arts. As such, students in 9th grade English will be reading literature through a lens that explores author's purpose, text analysis and character development in addition to the other PA Core standards.

## 0010 - English I – WH

Grade - 9

1 Credit

The course's workload and level of material is more challenging and includes additional material and advanced activities presented at an increased pace. The 9th grade Honors class focuses on literary genre and type. The 9th Grade Weighted Honors English course is aligned to the PA Core standards for English and Language Arts. As such, students in 9th grade WH English will be reading literature through a lens that explores author's purpose, text analysis and character development in addition to the other PA Core standards. In an honors class, the level of in-class discussion and outside work will be more rigorous and students will be expected to do a great deal of outside reading, writing, independent work, and text analysis.

## 002 - English II - Required

Grade - 10

1 Credit

**Prerequisite: Successful Completion of English I**

English II expands on basic composition structure and introduces practical writing formats. These structures are applied to the study of literary genres. A vocabulary unit, which includes word lists and a variety of dictionary and verbal skills, prepares students for tests including the PSAT. Grammar study and remediation follow writing and assignments. A short research paper and several speaking activities are included. The 10th Grade English course is aligned to the PA Core standards for English and Language Arts. As such, students in 10th grade English will be challenged to read complex literature and explore such ideas as author's voice, point of view, and text structure in addition to the other PA Core standards. Upon successful completion of this course, students will take the Keystone Exam.

## 0020 - English II – WH

Grade - 10

1 Credit

**Prerequisite: Successful Completion of English I and Teacher Recommendation or Successful Completion of English I WH**

Honors English II is a rigorous academic program that focuses on higher level thinking skills as well as the state standards. The course's workload and level of material presented are challenging. The 10th grade honors class includes a study of literary genres and literary devices through a variety of works from American and European authors. The course focuses on writing and presentations as well as critical literary analysis. Students who take this course will write numerous full-length essays and engage in multiple revisions/drafts. Assignments throughout the course are designed to prepare students for the SAT, AP courses and college research skills. The research unit will prepare students for college expectations in this area. There will be summer reading and assignments for this class. In an honors class, the level of in-class discussion and outside work will be more complex and students will be expected to do a great deal of outside reading, writing, independent work, and text analysis. Upon successful completion of this course, students will take the Keystone Exam.

## 0070 - AP Seminar: English II



Grade – 10, 11, 12

**1 Credit (Counts as an English (002) Credit for Grade 10. Counts as an Elective Credit for Grade 11 & 12)**

**Prerequisite: “B” or Better in English I**

This course is part of the AP Capstone Diploma Program from College Board. It's based on two one-year long courses; AP Seminar and AP Research. Rather than teaching subject specific content, these courses develop student skills in research, analysis, evidence-based arguments, collaboration, writing and presentations.

## 003 - English III - Required



Grade - 10

**1 Credit**

**Prerequisite: Successful Completion of English II**

English III is an integrated course based on American Literature. Components will include the reading and interpretation of literature (novel, short story, essay, poetry, and drama), literary terminology, vocabulary enrichment, speaking activities, research project, and writing that reflects literary readings. The 11th Grade English course is aligned to the PA Core standards for English and Language Arts. As such, students in 11th grade English will be reading literature through a lens that addresses all of the PA Core standards.

## 0030 - English III – WH



Grade - 11

**1 Credit**

**Prerequisite: Successful Completion of English II and Teacher Recommendation or Successful Completion of English II WH**

Honors English III is a rigorous academic program that focuses on higher level thinking skills as well as the PA Core standards. The course's workload and level of material presented are challenging. The course focuses on writing and presentations as well as critical literary analysis. Students who take this course will write numerous full-length essays and engage in multiple revisions/drafts. Assignments throughout the course are designed to prepare students for the SAT, AP courses and college research skills. The research unit will prepare students for college expectations in this area. There will be summer reading and assignments for this class. In an honors class, the level of in-class discussion and outside work will be more complex and students will be expected to do a great deal of outside reading, writing, independent work, and text analysis.

## 0080 - AP Research



Grade - 11, 12

**1 Credit - Elective**

**Prerequisite: “B” or Better in AP Language and Composition or AP Seminar**

In AP Research, you'll explore various research methods and complete an independent research project. Your project can build on a topic, problem, or issue you covered in AP Seminar or on a brand new topic of your own choosing. At the end of the project, you'll submit your academic paper and present and defend your research findings. These components contribute to the overall AP Research score. There is no end-of-course exam.

## 030 - AP Language and Composition: English III



Grade - 11

**1 Credit**

**Prerequisite: Successful Completion of English II WH Teacher Recommendation**

The AP English Language and Composition course is designed to help students become skilled readers of prose written in a variety of rhetorical contexts and to become skilled writers who compose for a variety of purposes. This college-level course provides students with opportunities to write about a variety of subjects and to demonstrate an awareness of audience and purpose. The course will also enable students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate effectively with mature readers. At the end of the course, all students are required to take the Advanced Placement examination in Language and Composition. There will be summer reading and assignments for this class.

- **Summer work is required for this course.**
- **Completion of AP courses may support the completion of Act 158: Alternative Assessment and Evidence Based Pathways.**
- **This course will be offered concurrently with Montgomery County Community College's English Composition 101 course. Students will be offered the opportunity to earn high school credit for the course in addition to college credit. Students must meet all MCCC and College Board requirements as outlined by the instructor to earn credit.**

*\* to receive college credit for this course through MCCC, there is a financial obligation that is the responsibility of the student*

## **004 - English IV - Required**

**Grade - 12**

**1 Credit**

**Prerequisite: Successful Completion of English III**

English IV is an integrated course based on a chronological survey of British literature with enrichment from literary works in World Literature. Components will include advanced literary terminology, vocabulary development through context, speaking activities, expository writing based on literary study, and a research unit. The 12th Grade English course is aligned to the PA Core standards for English and Language Arts. The course, while focused on British Literature and World Literature, also includes a robust focus on writing and vocabulary development with a special emphasis on preparing students for post-secondary education.

## **0040 - English IV – WH**

**Grade - 12**

**1 Credit**

**Prerequisite: Successful Completion of English III and Teacher Recommendation or Successful Completion of English III WH**

English IV Weighted Honors is a demanding, honors level British Literature course. The 12th grade honors class focuses on British and world literature and includes novel study, drama, poetry, and short stories. In the weighted honors course, students will analyze multiple interpretations of a story, drama, or poem (e.g., recorded or live production of a play or recorded novel or poetry), and evaluate how each version interprets the source text. This course increases and enhances writing skill through regular writing, revision, and rewriting. There will be summer reading and assignments for this class. The 12<sup>th</sup> Grade English WH Course is aligned to the PA Core standards for English and Language Arts.

## **0050 - AP Literature and Composition: English IV**

**Grade - 12**

**1 Credit**

**Prerequisite: Successful Completion of English III WH and Teacher Recommendation or Successful Completion of AP Language and Composition and Teacher Recommendation**

The AP English Literature and Composition course is a college-level course that engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students can deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students should consider a work's structure, style, and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. The course includes intensive study of representative works from various genres and periods, concentrating on works of recognized literary merit. The works chosen invite and gratify rereading. At the end of the course, all students are required to take the Advanced Placement examination in Literature and Composition. There will be summer reading and assignments for this class. ***Summer work is required for this course.***

## **0060 - Problems in Philosophy – WH**

**Grade - 11, 12**

**1 Credit - Elective**

**Prerequisite: Successful Completion of English II or English III with a “B” or Better**

Problems in Philosophy is a year-long course that looks at the history of ideas from a subject rather than chronological approach. The course covers important but more independent philosophers including Maimonides, Spinoza, Nietzsche and Rawls. The course approaches major issues in academia and society including issues in philosophy of religion, philosophy of art, philosophy of mind and contemporary questions discussed by philosophy including Bioethics, economic ethics, technological advancement, and political justice. Students encounter these questions with support of primary source reading, podcasts, literature, film and art. *This is a discussion class focusing on reading, conversation and writing in the standard seminar-style college format.*

## **010 - Contemporary Literature: Studies in Science Fiction and Horror**

**Grade – 9, 10, 11, 12**

**1 Credit - Elective**

This course will delve into the realms of horror and science fiction through the works of three iconic American authors: Nathaniel Hawthorne, Edgar Allan Poe, and Stephen King. Students will analyze the themes, literary techniques, and cultural contexts that have made these authors enduring figures in the genres of horror and science fiction.

## **012 - Newspaper Editing**

**Grade - 11, 12**

**1 Credit - *Elective***

**Prerequisite: Successful Completion of School Publications II WH Course with a “B” or Better**

This course is designed for members of the NAHS Wingspan editorial staff who do not want to continue writing directly for the newspaper but would like to remain committed to their editorial responsibilities. Students may take this course in lieu of 21st Century Journalism WH and/or Advanced Journalism WH.

## **013 School Publications – WH**

**Grade - 9, 10, 11, 12**

**1 Credit - *Elective***

**Prerequisite: Teacher Recommendation from Previous Year’s English Teacher is Needed**

The School Publications I course is the first step to earning staff membership with the school’s newspaper, The Wingspan. The course will include law and ethics, as well as an introduction to news literacy, content planning, interview tactics, various writing techniques, critical proofing (editing), and marketing. During the course students will be expected to have published an online profile through The Wingspan site ([www.nahswingspan.com](http://www.nahswingspan.com)), acquire sponsorships, participate in content building with editors and other staff members, and publish at least 8 stories in The Wingspan (online newspaper). **\*This class is taught in conjunction with Creative Writing I WH.**

## **0131 - School Publications II – WH**

**Grade - 10, 11, 12**

**1 Credit - *Elective***

**Prerequisite: Successful Completion of School Publications WH with a “B” or Better**

Students will continue and deepen their study of news media in the area of ethics, as well as news literacy, content planning, interview tactics, various writing techniques, critical proofing (editing), and marketing in print media. In particular, School Publications II students will learn and practice the structure and content of feature, column, editorial and sports writing, as well as compose polls, profiles, briefs, and reviews. Students will also examine current trends in advertising and circulation with specific sales and marketing goals. During the course students will be expected to update their online profiles through The Wingspan site ([www.nahswingspan.com](http://www.nahswingspan.com)), acquire sponsorships, participate in content building with editors and other staff members, and publish at least eight stories in The Wingspan (online newspaper or hard copy).

**\*Students in this course are permitted to hold “editor” positions with The Wingspan**

**\*\*This class is taught in conjunction with Creative Writing II WH**

## **0132 - 21st Century Journalism – WH**

**Grade - 11, 12**

**1 Credit - *Elective***

**Prerequisite: Successful Completion of School Publications II WH Course with a “B” or Better**

Students will continue and deepen their study of media in the area of ethics. School Publications III students will draw on skills learned in School Publications I and II to practice the structure and content of feature, column, editorial and sports writing, as well as compose polls, profiles, briefs, and reviews. Students will also work to develop 21<sup>st</sup> century media literacy, analyzing how online media has impacted the way news is reported and received by the American public. Students will be responsible for organizing and coaching the marketing and sales teams within The Wingspan organization and establishing specific sales and marketing goals. During the course students will be expected to update their online profiles through The Wingspan site ([www.nahswingspan.com](http://www.nahswingspan.com)), acquire sponsorships, participate in content building with editors and other staff members, and publish at least eight stories in The Wingspan (online newspaper or hard copy).

**\*Students in this course are required to hold “editor” positions with The Wingspan**

**\*\*This class is taught in conjunction with Creative Writing III WH**

### **0133 - Advanced Journalism – WH**

**Grade – 12**

**1 Credit - *Elective***

**Prerequisite: Successful Completion of 21st Century Journalism WH Course with a “B” or Better**

The Advanced Journalism course is designed to be a practicum for students. It will include study and practice in the areas of multi-platform journalism, scoop building as well as management of staff, timeline, budget, and product management. During the course students will be expected to update their online profiles through The Wingspan site ([www.nahswingspan.com](http://www.nahswingspan.com)), acquire sponsorships, participate in content building with editors and other staff members, assume a leadership or mentor roll to less-experienced staff and publish at least eight stories in The Wingspan (online newspaper or hard copy). Students in the course will work as a team to cultivate ideas of the staff and student body to produce publications that are reflective of the Norristown Area High School experience.

**\*Students in this course are required to hold “editor” positions with The Wingspan**

**\*\*This class is taught in conjunction with Adv. Creative Writing WH**

### **026 - Creative Writing I – WH**

**Grade - 9, 10, 11, 12**

**1 Credit - *Elective***

Creative Writing I WH is a course designed to introduce students to the three major genres of creative writing: fiction, creative nonfiction, and poetry. Students will learn to read each form of writing critically as a writer, compose their own pieces, and provide constructive feedback to their peers. Students will also learn literary techniques and skills to improve their own work. Expressive writing that shows originality, creativity, and thought will be emphasized. Students will also be expected to submit their work to The Scribbler, Norristown’s published literary magazine. **\*This class is taught in conjunction with School Publications WH**

### **0261 - Creative Writing II – WH**

**Grade - 10, 11, 12**

**1 Credit - *Elective***

**Prerequisite: Successful Completion of Creative Writing I WH Course with a “B” or Better**

Creative Writing II WH expands upon the work students do in Creative Writing I within the three major genres of creative writing. Students will further discuss published works that model compositional and literary techniques taught throughout the course. Students will begin to focus on elements such as point of view, sensory details, precise word choice, and complex characterization. Students will continue to participate in workshops and provide constructive feedback to their peers. Students will also be expected to submit their work to The Scribbler, Norristown’s published literary magazine. **\*This class is taught in conjunction with School Publications WH**

### **0262 - Creative Writing III – WH**

**Grade - 11, 12**

**1 Credit - *Elective***

**Prerequisite: Successful Completion of Creative Writing II WH Course with a “B” or Better**

Creative Writing III expands upon the work students do in Creative Writing I within the three major genres of creative writing. Students will further discuss published works that model compositional and literary techniques taught throughout the course. Students will begin to focus on elements such as point of view, sensory details, precise word choice, and complex characterization. Students will continue to participate in workshops and provide constructive feedback to their peers. Students will also be expected to submit their work to The Scribbler, Norristown’s published literary magazine. **\*This class is taught in conjunction with 21<sup>st</sup> Century Journalism WH**

### **0263 - Advanced Creative Writing – WH**

**Grade – 12**

**1 Credit - *Elective***

**Prerequisite: Successful Completion of Creative Writing III WH Course with a “B” or Better**

Advanced Creative Writing is a practicum for students who have successfully completed Creative Writing I, II, and III. Students who take this course will be composing a 40-page manuscript in the genre of their choice throughout the year. This work could either be a

novella, collection of linked short stories, collection of essays, or poetry chapbook. Students will continue to participate in workshops and provide constructive feedback to their peers. Students will also be expected to submit their work to The Scribbler, Norristown's published literary magazine. **\*This class is taught in conjunction with Advanced Journalism WH**

## **025 - Feminist Literary Studies**

**Grade - 9, 10, 11, 12**

**1 Credit - Elective**

The course introduces students to major theories, concepts, and debates of feminist literary studies. The readings will be a blend of literary (fiction and nonfiction) as well as theoretical texts. The survey of selected feminist literary theories seeks to provide an overview of those theories that have crucially changed the way we interpret literature in relation to gender. Most of the readings will cover the second half of the twentieth century. Since theory and fiction should be always read in conversation, the theoretical framework will be supplemented by fictional texts that are likewise considered as significant landmarks in literature by women.

## **044 - Library Science**

**Grade – 12**

**1 Credit - Elective**

**Prerequisite: Librarian Recommendation**

In this elective, students will learn all aspects of working in a library setting: library skills such as shelving, book & magazine processing, cataloging, develop research skills while assisting library patrons, clerical skills, and work on interpersonal skills. Students will also assist in scheduling and distribution of audio-visual materials.

## **028 - SAT Prep**

**Grade - 10, 11**

**1 Credit - Elective**

This SAT prep class is focused on helping students prepare for the Critical Reading, Writing, and Mathematics portions of the SAT. Throughout the semester-long course, students will be taking practice tests, learning new vocabulary, learning grammar rules they will encounter on the SAT, developing critical reading comprehension skills, and learning mathematics concepts vital to SAT success. Special emphasis will be placed on teaching test taking strategies and developing the testing stamina so vital to a successful performance on the SAT. Students will take many practice tests throughout the semester and instructors will review these tests with students after they are taken. Students must have passed Algebra 1 or Algebra 1 B. ***Completion of this course may support the completion of Act 158: Alternate Assessment.***

## **045 - Video Production**

**Grade - 10, 11, 12**

**1 Credit - Elective**

**Prerequisite: Successful Completion of English I with a "B" or Better**

This course emphasizes basic handling and operation of television equipment and the various roles of video production, including in-studio and on-location video-taping of school district programs and post production. The course requires students to produce their own programming. Students will also record, edit, and complete programs for various county and municipal groups requiring responsible shooting time after school hours. Students will also be familiarized with the power of the media and how production design influences the impact of video. Admission to course is by written permission of the Telecommunications teacher; see Mr. Walker in the Communications Center, room 357. ***Attendance at 3-5 school activities outside the regular school day for production is required.***

## **046 - Video Production II**

**Grade -10, 11, 12**

**1 Credit - Elective**

**Prerequisite: Permission from Telecommunications Teacher & Successful Completion of Video Production with a "B" or Better**

Video Production II: Students in Video Production II will enhance their basic communications skills. These students will focus on directing and segment editing for NASDtv programming as well as learning and practicing the role of producer for class productions. The students will perform advanced editing, graphic animations, sound editing and color correction techniques. The course retains its

practical focus offering second year students additional responsibilities, additional technologies and additional opportunities for independent video creation. Admission to course is by written permission of the Telecommunications teacher; see Mr. Walker in the Communications Center, room 357. *Attendance at 3-5 school activities outside the regular school day for production is required.*

## **047 - Advanced Video Production**

**Grade -11, 12**

**1 Credit - Elective**

**Prerequisite: Permission from Telecommunications Teacher**

Advanced Video Production: In Advanced Video Production, students build upon their skills from Video Production II with a focus on advanced Live production, filmmaking and leadership. They take on the role of director, gaining confidence and finesse in guiding creative projects from conception to execution. As producers, students assume larger responsibilities in planning, and coordinating all aspects of production. Advanced training in editing techniques, including graphic animations and color correction, enhances their ability to craft compelling narratives. With access to cutting-edge technologies and ample opportunities for independent projects, Advanced Video Production empowers students to elevate their filmmaking craft and pursue their creative passions. Admission to the course is by written permission of the Telecommunications teacher; see Mr. Walker in the Communications Center, room 357. *Attendance at school activities outside the regular school day for production is required.*

## **0460 - Screen Writing and Film Study – WH**

**Grade - 11, 12**

**1 Credit - Elective**

**Prerequisite: “C” or Better in English I, II or III with Parent Permission and Student Signature Form**

Students will watch and study a plethora of movies from award-winning writers and directors while discussing and dissecting the cultural relevance and history of film. We will not watch anything gratuitously violent, sexual, or drug-related, but to cover each film genre completely, we need to choose from the entire spectrum of the cinema and most of the movies we watch have mature themes. All students, even those older than 17, must have a parent or guardian sign a permission slip allowing the student to watch R-rated films.

Additionally, students will read, annotate, and discuss a variety of professional screenplays as well as “The Screenwriter’s Bible” by David Trottier, and use these as a guide for creating an original script from an initial concept/pitch to a full-length, feature screenplay. As this is a workshop class, and we will be spending a good deal of class time discussing students’ original pieces, students must commit to submitting their projects as well as reading and respectfully critiquing their classmates’ work by the assigned deadlines.

## **1010 - Discussions Literature/Philosophy – WH**

**Grade - 11, 12**

**1 Credit - Elective**

**Prerequisite: Successful Completion of English II or English III with a “B” or Better**

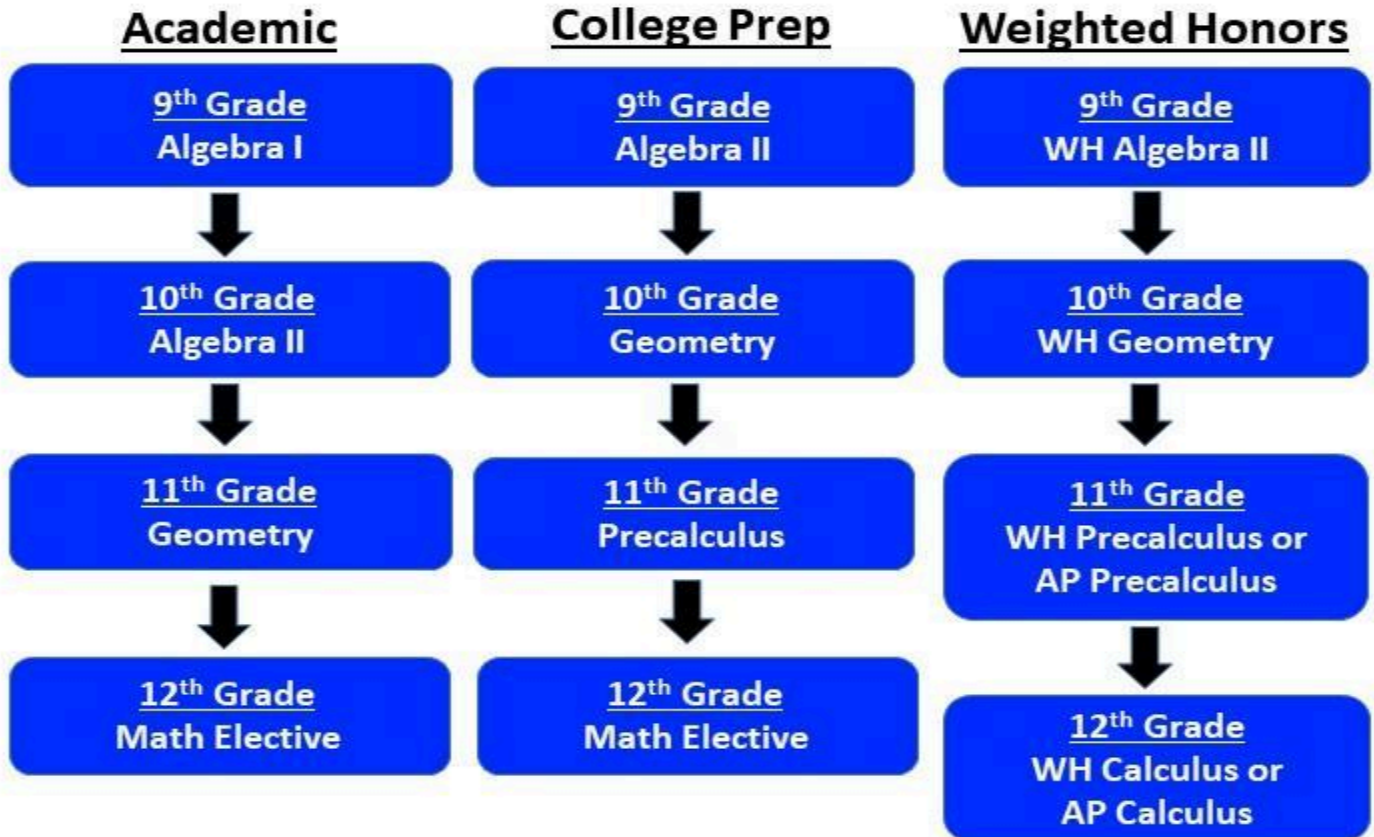
This course will enrich students using works of literature and philosophy in areas ranging from war poetry to Dadaism, from metaphysics to issues of citizenship. The material read for class will be used to support discussions of contemporary philosophic ideas and classic literary movements to develop critical thinking, cultural awareness, and personal academic responsibility. Using the Socratic Method, project based assessment and written assignments, students will reflect on the literary ideas and their philosophic roots. This is an intensive reading and discussion course with a strong writing component, both critical and creative.

# Math Course Pathways



## 2026-2027

SAMPLE



# MATHEMATICS

All Mathematic courses are rigorous academic programs that focus on higher level thinking skills and are aligned to PA Core standards.

**Calculator Recommendation:** It is recommended that every student use a graphing calculator (Texas Instrument TI-84+) or Desmos Online Calculator for use at home. Calculators are provided for student use during each math class. In addition, calculators will be available for sign out **ONLY** for courses required.

## 209 (2097) - Algebra I - Required



### 1 Credit (2097 – 2 Credits)

This course includes the study of the basic language and concepts of Algebra. In alignment with the PA Core standards, it focuses on topics related to statistics, data analysis, probability, predictions, functions, and graphing. Students will formulate and solve equations and inequalities to model routine, real life scenario problems. In addition, they will learn how to graph a linear function, identify its equation, and work with systems of equations. Upon successful completion of this course, students will take the Keystone Exam.

## 220 – Geometry - Required



### 1 Credit

**Prerequisite: Successful Completion of Algebra I and Algebra II**

This course includes a study of measurement, estimation and algebraic and trigonometric functions. In alignment with the PA Core standards, students will measure and compare angles and make predictions. Students will analyze figures in terms of area, perimeter, volume, symmetry, congruency, and similarity. In addition, they will prove triangles similar or congruent, identify corresponding parts of congruent triangles and use the properties of angles, arcs, chords, tangents, and secants to solve problems involving circles.

## 2200 - Geometry - WH



### 1 Credit

**Prerequisite: Successful Completion of WH Algebra II or Successful Completion of Algebra II and Teacher Recommendation**

This course is an intensive study of the basic properties and relationships of geometric figures. Students will analyze figures in terms of area, perimeter, volume, symmetry, congruency, and similarity. In alignment with the PA Core standards, this course will also include topics of trigonometry. Students will also construct geometric figures and will perform various types of proofs.

## 215 - Algebra II - Required



### 1 Credit

**Prerequisite: Successful Completion of Algebra I**

Algebra II includes extension of those concepts learned in Algebra I and incorporates the study of exponential equations, systems of equations, logarithms, functions, sequences and series, and matrix problems. In alignment with the PA Core standards, students will also learn how to solve linear and quadratic equations both symbolically and graphically. Students who do not score proficient on the Keystone Exam will retake the exam in December of the current school year.

## 2150 - Algebra II – WH



### 1 Credit

**Prerequisite: Successful Completion of Algebra I or WH Algebra I & Teacher Recommendation**

In alignment with the PA Core standards this course involves an intensive study of exponential equations, logarithms, patterns, sequences and series, standard deviation, and trigonometric functions. Students will solve systems of inequalities, linear and exponential equations, and equations of degree greater than two.

## 225 - Precalculus

### 1 Credit - *Elective*

**Prerequisites:** Successful Completion of Algebra II, Geometry and Teacher Recommendation

This course is recommended for those students who plan to continue the study of mathematics beyond high school. This course includes the study of the algebra of polynomial, absolute value, exponential, logarithmic, trigonometric, and other functions. It also includes the study of triangle trigonometry and the unit circle. **A graphing calculator is required for home use.**

## 2240 - Precalculus – WH

### 1 Credit - *Elective*

**Prerequisites:** Successful Completion of Algebra II, Geometry and Teacher Recommendation or Successful Completion of WH Algebra II and WH Geometry

This course is offered as a preparation for the Advanced Placement Calculus (AB) class or Calculus I in college. Students study polynomial and rational functions, logarithmic and exponential functions, and trigonometric functions as well as limits and derivatives. Students work in groups to solve real world problems. **A graphing calculator is required for home use.**

## 22400 – AP Precalculus

### 1 Credit - *Elective*

**Prerequisite:** Successful Completion of WH Algebra 2, WH Geometry and Teacher Recommendation

The AP Precalculus class is designed to cover what students study during a college precalculus class. The curriculum has been designed by the College Board through consultation with teachers and college professors from across the nation. Students examine Polynomial and Rational Functions, Exponential and Logarithmic Functions, Trigonometric and Polar Functions, and Functions involving Parameters, Vectors, and Matrices. Students are required to take the AP Precalculus Advanced Placement examination. **A graphing calculator is required for home use. Summer work is required for this course. Completion of AP courses may support the completion of Act 158: Alternative Assessment and Evidence Based Pathways.**

## 2255 - Calculus – WH

### 1 Credit - *Elective*

**Prerequisite:** Successful Completion of Precalculus and Teacher Recommendation or Successful Completion of Precalculus WH

This class provides students with the opportunity to study and experiment with calculus and analysis. Students work in a hands-on manner to discover some of the basic ideas used in calculus today. Students begin the process of studying calculus to better prepare them for the college courses they will take in the future. Although this is not an AP class, it prepares students to transition into the college level class of their choice. The students complete projects and experiment with real data. **A graphing calculator is required for home use.**

## 2250 - AP Calculus AB

### 1 Credit - *Elective*

**Prerequisite:** Successful Completion of Precalculus WH and Teacher Recommendation

The AB Calculus class is designed to cover what students study during a college calculus class. The curriculum has been designed by the College Board through consultation with teachers and college professors from across the nation. Students review functions and students examine limits, derivatives and their applications, and integrals and their applications. Students are required to take the Calculus AB Advanced Placement examination. **A graphing calculator is required for home use. Summer work is required for this course. Completion of AP courses may support the completion of Act 158: Alternative Assessment and Evidence Based Pathways.**

## 22500 - AP Calculus BC

### 1 Credit - *Elective*

**Prerequisite:** Successful Completion of Calculus WH or AP Calculus AB and Teacher Recommendation

Calculus BC is a course in single-variable calculus that includes all the topics of Calculus AB (techniques and applications of the derivative, techniques and applications of the definite integral, and the Fundamental Theorem of Calculus) plus additional topics in differential and integral calculus (including parametric, polar, and vector functions) and series. It is equivalent to at least a year of calculus at most colleges and universities. Algebraic, numerical, and graphical representations are emphasized throughout the course. Students enrolled in this course are required to take the Calculus BC Advancement Placement examination. **A graphing calculator is required for home use. Summer work is required for this course. Completion of AP courses may support the completion of Act 158: Alternative Assessment and Evidence Based Pathways.**

## 2265 – Statistics

Grade – 10, 11, 12

1 Credit - *Elective*

**Prerequisite:** Successful Completion of Algebra I, Algebra II and Geometry

This course provides students with the opportunity to study and experiment with statistics and data analysis. Students look at the way statistics are used in the work world and how statistics can be manipulated in order to mislead. Students develop awareness of these misuses in order to make them better consumers. Students work in a hands-on manner to discover some of the basic ideas used in statistics today. Students complete statistical research projects and experiment with real data. **A graphing calculator is required for home use.**

## 2260 - AP Statistics

Grade - 9, 10, 11, 12

1 Credit - *Elective*

**Prerequisite:** Successful Completion of Algebra I, Algebra II and Geometry

AP Statistics provides students with the opportunity to explore data and determine how the results from those data can be applied. The course is designed for college-bound students, whether they plan to major in a mathematics field or not. The four themes studied in AP Statistics are exploring data, planning a study, anticipating patterns, and statistical inference. Students are required to take the AP Statistics examination. A graphing calculator is required for home use. Summer work is required for this course. ***Completion of AP courses may support the completion of Act 158: Alternative Assessment and Evidence Based Pathways.***

## 231 - Business Math

Grade - 11, 12

1 Credit - *Elective*

**Prerequisite:** Successful Completion of Algebra I, Algebra II and Geometry

This course develops thinking skills through problem-solving applications and simulations on topics such as federal and state taxes, banking procedures, GNP, insurance, investments, mortgages, and automobile loans. Computerized spreadsheet programs and calculators will be an integral part of this mathematical course.

## 237 - Survey of Math

Grade - 11, 12

1 Credit - *Elective*

**Prerequisite:** Successful Completion of Algebra I, Algebra II and Geometry

This course is designed to prepare students for college-level mathematics courses. This course provides an overview of more abstract mathematical concepts and real-world situations. Topics include inductive and deductive reasoning, problem-solving strategies, set theory including 2- and 3-set Venn diagrams, logic, truth tables, and statistics with application of measures of central tendency and dispersion to various sets of data. Also, discrete mathematics topics will be explored including graph theory, probability and odds.

## 6550 - AP Computer Science Principles

Grade – 9, 10, 11, 12

1 Credit – *Elective*

**Prerequisite:** Successful Completion of Algebra I

This course is designed to be equivalent to a first semester introductory college computing course. In this course, students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. The course is unique in its focus on fostering student creativity. Students are encouraged to apply creative processes when developing computational artifacts and to think creatively while using computer software and other technology to explore questions that interest them. They will also develop effective communication and collaboration skills, working individually and collaboratively to solve problems, and discussing and writing about the importance of these problems and the impacts to their community, society, and the world. ***Summer work is required for this course. Completion of AP courses may support the completion of Act 158: Alternative Assessment and Evidence Based Pathways.***

## 6551 - AP Computer Science A

**Grade: 10, 11 12**

**1 Credit - *Elective***

**Prerequisite: Successful Completion of Algebra I and AP Computer Science Principles or WH Computer Science**

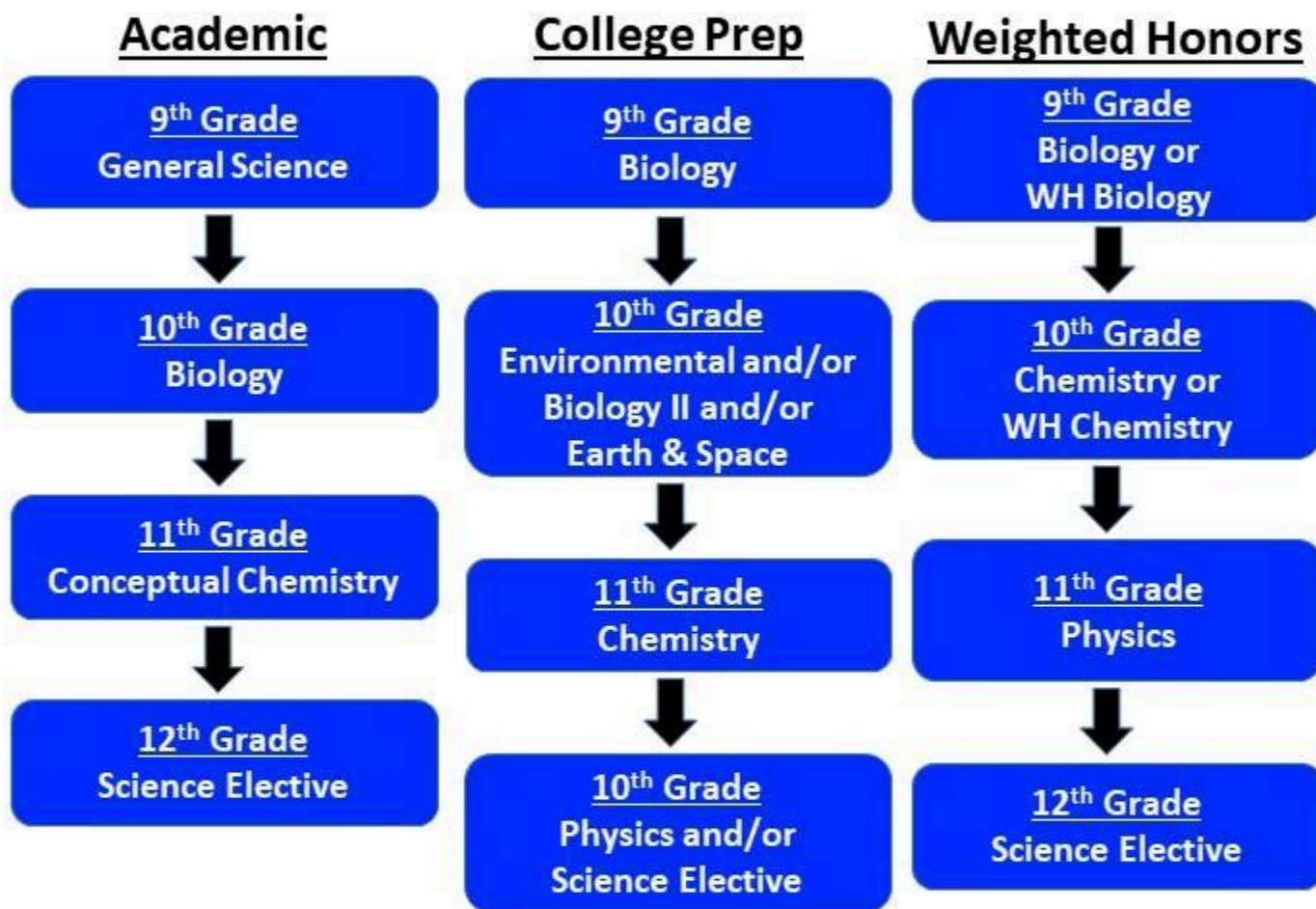
AP Computer Science A introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language.

# Science Course Pathways



## 2026-2027

SAMPLE



# SCIENCE

All Science courses are rigorous academic programs that focus on higher level thinking skills and are aligned to PA Core standards.

## 300 - General Science

Grade - 9

1 Credit

This introductory physical science course is for 9th grade students. Subjects taught throughout the course include metric measurement, matter, (structure of the atom, elements), energy, forces, motion, work, machines, (environmental factors, and environmental cycles). Students will have up to 3 hours per week of out of class work including homework and written lab reports. Major topics addressed in the course include evaluating the appropriateness of research questions and analyzing and explaining scientific facts, principles, theories, and laws.

## 3000 – WH General Science

Grade - 9

1 Credit

This course presents a rigorous and comprehensive examination of the fundamental physical science themes including the metric system, structure of the atom, elements, chemical reactions, simple machines and mechanics (environmental factors and environmental cycles). This course is in preparation for the Biology Keystones taken at the end of Biology I. All laboratory exercises support these themes and demand proper written communication of scientific method, techniques, manipulation of data, analysis of scientific data, and the use of experimental data and critical thinking to support conclusions. Students will be responsible for many independent reading and writing assignments outside of the class. Students need to be highly motivated in science to take this course.

## 301 - Biology I - *Required*



Grade - 9, 10

1 Credit

This introductory course in life science begins with a detailed study of the characteristics of living things and the environment in which they live and progresses to a study of the cell, DNA, genetics, and Linnaean Classification. Appropriate laboratory work is included. Major topics addressed in the course include comparing and contrasting cellular processes (i.e. photosynthesis) and conducting laboratory experiments to test and validate scientific theories. Upon successful completion of this course, students will take the Keystone Exam.

## 3010 - Biology I – WH



Grade - 9

1 Credit

This course presents a rigorous and comprehensive examination of the fundamental biological themes including investigative inquiry, ecology and classification, levels of biological organization, cell biology, biochemistry, energy metabolism and nutrition, homeostasis, cell transport, genetics, and biotechnology. All laboratory exercises support these themes and demand proper written communication of scientific method, techniques, manipulation of data, analysis of scientific data, and the use of experimental data and critical thinking to support conclusions. Students need to be highly motivated in science to take this course.

## 3061 - Conceptual Chemistry - *Required*



Grades - 10, 11, 12

1 Credit

**Prerequisites: Successful Completion of Algebra I and Biology I**

This course is designed to help students understand basic chemical principles and gain appropriate lab and measurement skills. Students will develop an understanding of how those concepts and skills are relevant to other courses and their daily lives. Chemical topics covered in the course include the exploration of the Periodic Table, matter and change, states of matter, measurements, atomic theory, bonding, solutions, and acids & bases. The course will use a variety of hands on activities and labs to help with the understanding of abstract concepts.

### **306 – Chemistry – Required**

**Grade - 10, 11, 12**

**1 Credit**

**Prerequisites: Successful Completion of Biology I or Biology I WH and Algebra II or Geometry (may be taken concurrently) and Proficient on Biology Keystone Exam (10<sup>th</sup> Grade Only)**

This chemistry course is an introduction to chemical principles. A comprehensive examination of the fundamental chemical themes including stoichiometry, properties of gases, liquids, solids and solutions, nomenclature, and scientific measurement are presented. All laboratory exercises support these themes and demand proper written communication of scientific method, techniques, manipulation of data, analysis of scientific data, and the use of experimental data and critical thinking to support conclusions.

### **3060 - Chemistry – WH**

**Grade - 10, 11, 12**

**1 Credit**

**Prerequisites: Successful Completion of Biology I WH with a “B” or Better or Biology I with an “A”, Successful Completion of Algebra II or Geometry and Proficient on Biology Keystone Exam (10<sup>th</sup> Grade Only)**

This chemistry course is designed to prepare students for college-level general chemistry. A rigorous and comprehensive examination of the fundamental chemical themes is presented including the periodic table, atomic theory, chemical bonding, stoichiometry, properties of gases, liquids, solids and solutions, chemical equilibrium, nomenclature, acids and bases, and pH. All laboratory exercises support these themes and demand proper written communication of scientific method, techniques, manipulation of data, analysis of scientific data, and the use of experimental data and critical thinking to support conclusions.

### **303 - Biology II**

**Grades - 10, 11, 12**

**1 Credit - Elective**

**Prerequisite: Successful Completion of Biology I or WH Biology I**

This course is a continuation of Biology I, concentrating on the structure and function of organisms in the five kingdoms. Laboratory investigations include the dissection of various invertebrates and vertebrates. The subject matter is designed for students who wish to continue their studies in the area of life sciences. Students who do not score proficient on the Keystone Exam will retake the exam after the completion of this course.

### **3030 - Biology II – WH**

**Grades - 10, 11, 12**

**1 Credit - Elective**

**Prerequisite: Successful Completion of Biology I or WH Biology I and Proficiency on the Biology Keystone Exam**

This course is designed to prepare students for college-level Anatomy and Physiology. Students will be exposed to a rigorous curriculum focusing on the 6 Kingdoms in Biology, while concentrating on the structure and function of invertebrates and vertebrates. Class dissections of both invertebrates and vertebrates provide a hands-on learning experience for exploration of animal cells, tissues, organs and organ systems of the organism being studied. All laboratory exercises support biological themes and demand proper written communication of the scientific method and techniques, manipulation of data, analysis of scientific data, and use of dissection equipment and data to support scientific conclusions. The subject matter presented in this course is designed for students interested in Anatomy and Physiology and to further their studies in the life sciences.

### 30300 - AP Biology

Grade - 10, 11, 12

1 Credit - *Elective*

**Prerequisites: Successful Completion of Biology I WH with a “B” or Better and Teacher Recommendation or Successful Completion of Biology I with an “A” and Teacher Recommendation**

This course is organized based on the four big ideas and corresponding enduring understandings as listed in the Curriculum Framework. The four big ideas are: Big Idea 1: The process of evolution drives the diversity and unity of life. Big Idea 2: Biological systems utilize free energy and molecular building blocks to grow, reproduce and to maintain dynamic homeostasis. Big Idea 3: Living systems store, receive, transmit and respond to information essential to life processes. Big Idea 4: Biological systems interact, and these systems and their interactions possess complex properties. All of the big ideas & essential knowledge components will be taught to students and all learning objectives will be assessed using laboratory, exam and formative assessments. While this course generally flows from Big Idea 1 to 2 to 3 to 4, each unit will provide students with opportunities to make connections between all four big ideas, as evidenced in the “Course Details” section. In addition, summer assignments must be completed prior to entering the course.

- *Summer work is required for this course.*
- *Completion of AP courses may support the completion of Act 158: Alternative Assessment and Evidence Based Pathways.*
- *This course will be offered concurrently with Montgomery County Community College’s Biology 121/122 course. Students will be offered the opportunity to earn high school credit for the course in addition to college credit. Students must meet all MCCC and College Board requirements as outlined by the instructor to earn credit.*

*\* to receive college credit for this course through MCCC, there is a financial obligation that is the responsibility of the student*

*\*\*this course will not be offered for the 2025-2026 school year*

### 3040 - Anatomy and Physiology – WH

Grade - 10, 11, 12

1 Credit - *Elective*

**Prerequisite: Successful Completion in Biology I**

Human Anatomy and Physiology is a laboratory science course that includes an in-depth study of the body systems that maintain homeostasis from anatomical and physiological perspectives. Students explore anatomical and physiological concepts of the ten major body systems through an inquiry-based approach which includes the dissection of owl pellets, cats, pigs, and sheep brains. Assessments in this course are hands-on as well as text based. Students interested in the healthcare profession will find this course sets a great foundation for future learning.

### 30600 - AP Chemistry

Grade - 11, 12

1 Credit - *Elective*

**Prerequisites: Successful Completion of Chemistry WH with a “B” or Better and Teacher Recommendation or Successful Completion of Chemistry with an “A” and Teacher Recommendation**

This AP Chemistry course is college level course. For most students, the course enables them to undertake, as a freshman, second year work in the chemistry sequence at their institution or to register in courses in other fields where general chemistry is a prerequisite. This course is structured around the six big ideas articulated in the AP Chemistry curriculum framework provided by the College Board. This framework is based on six big ideas. Big Idea 1: Structure of matter, Big Idea 2: Properties of matter-characteristics, states, and forces of attraction, Big Idea 3: Chemical reactions, Big Idea 4: Rates of chemical reactions, Big Idea 5: Thermodynamics. Big Idea 6: Equilibrium A special emphasis will be placed on the practices, which capture important aspects of the work that scientists engage in, with learning objectives that combine content with inquiry and reasoning skills. AP Chemistry is open to all students that have completed a year of chemistry who wish to take part in a rigorous and academically challenging course (see prerequisites). In addition, summer assignments must be completed prior to entering the course. *Summer work is required for this course. Completion of AP courses may support the completion of Act 158: Alternative Assessment and Evidence Based Pathways.*

### **308 - Earth-Space Science**

**Grade - 10, 11, 12**

**1 Credit - *Elective***

**Prerequisites: Successful Completion of Biology I or WH Biology I**

Earth-Space is a blend of several sciences including Biology, Chemistry and Physics. In this course, students will explore the earth as a system of components that function together. Students will explore the structure, the processes that affect the surface, and the actions of the atmosphere. In this exploration of earth, students will cover several environmental and conservation issues. This course will also view the earth as a member of the solar system and the universe.

### **3080 - Earth-Space Science – WH**

**Grade - 10, 11, 12**

**1 Credit - *Elective***

**Prerequisites: Successful Completion of Biology I and Teacher Recommendation or Successful Completion of WH Biology I**

This course requires students to employ previously and newly learned scientific and problem-solving skills along with appropriate technology to a study of the Earth, The Earth's movement in space, and how event on Earth affect human activity. The scope of this course ranges from an in-depth examination of the movement of the Earth's plates to how man has adapted to changes in his environment caused by himself and natural events. Students will receive 4-6 hours of independent material to work on outside of the class per week.

### **309 – Forensics**

**Grade - 11, 12**

**1 Credit - *Elective***

**Prerequisite: Successful Completion of Two Science Courses**

This course focuses on the collection, identification and analysis of crime scene evidence to determine who committed the crime and how. Emphasis will be placed on the procedures that link suspect, victim, and crime scene. The methodology a forensic scientist uses will be studied through numerous lab experiments, guest speakers and a field trip to the Montgomery County Detective Bureau. Assessments in this course will be hands-on as well as text based. Students interested in a criminal justice career will find this course rewarding.

### **311 – Physics**

**Grade - 11, 12**

**1 Credit - *Elective***

**Prerequisites: Successful Completion Algebra I**

This course presents an examination of the fundamental themes of Newtonian mechanics, light, sound, electricity, magnetism, and modern physics. The study of physics is helpful for students who will most likely go into college or some form of post-high school education.

### **3110 - Physics – WH**

**Grade - 11, 12**

**1 Credit - *Elective***

**Prerequisites: Successful Completion of Algebra I**

This course presents a rigorous and comprehensive examination of the fundamental themes of Newtonian mechanics, light, sound, electricity, magnetism, and modern physics. All laboratory exercises support these themes and demand proper written communication of scientific method, techniques, manipulation of data, analysis of scientific data, and the use of experimental data and critical thinking to support conclusions. Students need to be highly motivated in science. The study of physics is helpful for students who will most likely go into college or some form of post-high school education. The concepts and laws of physics explored during this course will be defined mathematically. The relationship between physics and calculus will also be explored. During each marking period students will be required to complete an independent or small group project related to topics in physics.

### 31100 - AP Physics

Grade – 12

1 Credit - *Elective*

**Prerequisites: Successful Completion of WH Physics with a “C” or Better or Physics with a “B” or Better**

AP Physics is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as fluid statics and dynamics; thermodynamics with kinetic theory; Pressure Volume diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. ***Summer work is required for this course. Completion of AP courses may support the completion of Act 158: Alternative Assessment and Evidence Based Pathways.***

### 314 - Environmental Science

Grade - 10, 11, 12

1 Credit - *Elective*

**Prerequisites: Successful Completion of Biology I or WH Biology I**

Environmental science includes the study of biological ecosystems (all living things within a particular geographic location). The course will also examine the impact of man and nature on the survival of the existing environment. Incorporated will be field evaluations of local rivers and streams, with the possibility of community service through water and soil testing of parks and watersheds. Present concern for our environment is a major political and social issue, and government regulation is a key concern as well. Career opportunities in environmental service should expand to meet these needs.

### 3140 - AP Environmental Science

Grade - 10, 11, 12

1 Credit - *Elective*

**Prerequisites: Successful Completion of Biology I WH with a “B” or Better and Teacher Recommendation or Successful Completion of Biology I with an “A” and Teacher Recommendation**

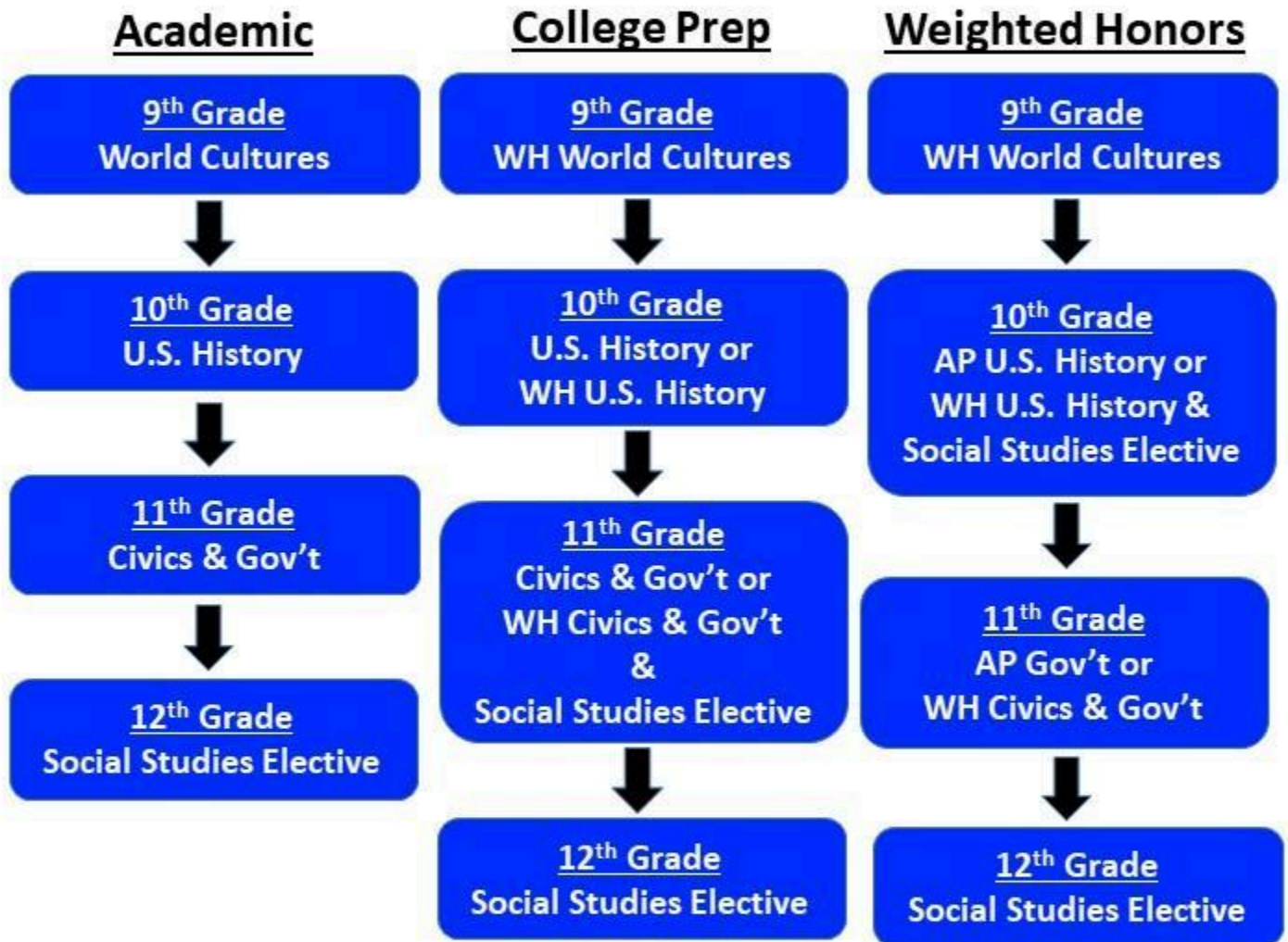
This course will cover the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze both natural and human-made environmental problems, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Students who take this course are required to take the AP Environmental Science exam. In addition, summer assignments must be completed prior to entering the course. ***Summer work is required for this course. Completion of AP courses may support the completion of Act 158: Alternative Assessment and Evidence Based Pathways.***

# Social Studies Course Pathways



## 2026-2027

SAMPLE



# SOCIAL STUDIES

All Social Studies courses are rigorous academic programs that focus on higher level thinking skills and are aligned to Next Generation Core standards.

## 102 - World Cultures & Literature – *Required*

Grade – 9

1 Credit

This survey course examines interactions around the world from both past and present perspectives. Students explore the history of Europe, Africa, Asia and North/South America and the interconnection these regions have in modern day. Students will investigate geography, history, belief systems, political systems, culture and contemporary issues of the different regions in the world through the examination of primary and secondary sources and research skills. Students will read a series of short stories which encapsulate the culture of people worldwide and analyze their global impact. Students will precisely and effectively communicate what has been learned, and then be able to apply learning to new situations. Literacy strategies and skills will be embedded into the World Cultures and Literature course on a daily basis to bolster students' critical reading, writing and thinking skills.

## 1020 - World Cultures & Literature – WH

Grade -9

1 Credit

**Prerequisites: Successful completion of 8<sup>th</sup> Grade Social Studies**

Weighted Honors World Cultures will provide students with the opportunity to develop analytical skills of the various cultures of the world. The course progresses from the emergence of Islam in 600 AD to the Industrial Age. This is a survey course that examines the roots and development of Europe, the Middle East, Africa, the Americas and Asia throughout modern day history. Throughout this course, students will be challenged academically through rigorous and relevant examination of historical events throughout various time periods and their link to contemporary issues. Students will be able to evaluate the interaction and cultural influences throughout the world between cultures. Students will use technology, primary and secondary sources, research skills, simulations, media resources and traditional text to expand their understanding of history. Students will be expected to create meaningful and thoughtful assignments and develop critical thinking skills.

## 100 - U.S. History – *Required*

Grade – 10

1 Credit

In this interdisciplinary Social Studies course, students will study the United States from the 1920s to the present. Using traditional approaches, this course presents the political, economic, social, and cultural contributions Americans have made here and abroad.

## 1000 - U.S. History – WH

Grade – 10

1 Credit

**Prerequisites: Successful Completion of World Cultures with a “B” or Better & Teacher Recommendation**

This course is specifically designed for college bound students who are highly interested and want an in-depth view of the political, social, and cultural accomplishments of the United States from the 1920's to the present. The course presents the political, economic, social, and cultural contributions Americans have made both in this country and abroad. This course will challenge the creativity of students in the cognitive domain and higher level thinking skills as well as the use of technology.

## 10000 - AP U.S. History

Grade - 10, 11

1 Credit

**Prerequisites:** Successful Completion of World Cultures, English I and Teacher Recommendation or Successful Completion of World Cultures WH and English I WH

Advanced Placement United States History is designed to enable students to develop analytical skills and acquire a thorough knowledge of United States History. The approach of the course includes, but is not limited to, the following elements: development of substantial knowledge of social, cultural, political, economic, and military events relevant to the history of the United States; development of assessment and interpretive skills; development of geographic awareness; the development of analytical thinking skills, and the development of communication skills through the writing of coherent, analytical essays. The course is intended to be equivalent to a college level introductory course. Consequently, the course is designed to challenge the student. *Summer work is required for this course.*

## 105 - Civics & Government – Required

Grade - 11, 12

1 Credit

American Government is a course which emphasizes the rights and responsibilities of citizens and how our government operates in the United States. Students explore the Constitution, its historical developments, and viability over time. Students examine the three branches of government and the processes of the American political system. Students will study voter behavior and citizenship, and the impact constituents have on the political system. It will also examine the relationship among economics, government, and public policy.

## 1050 – Civics & Government – WH

Grade - 11, 12

1 Credit

**Prerequisites:** Successful Completion of U.S. History with a “B” or Better & Teacher Recommendation

This course focuses on the political and economic systems of the American Government with an emphasis on the everyday activities of the government and how it tries to solve some of the major political and economic problems facing the country today. Students will learn the structure of the United States government and its origin. Students will examine the U.S. Constitution and apply its principles throughout the course. Each branch of government will be analyzed and their current members evaluated. Students will study all forms of participation in government including political parties, elections, interest groups, and the mass media. Every student will take part in a culminating project requiring them to work with others to develop a campaign.

## 1090 - AP U.S. Government/Politics

Grade - 11, 12

1 Credit (this course would be in lieu of Civics & Government)

**Prerequisites:** Successful Completion of U.S. History with a “B” or Better & Teacher Recommendation

This college level course addresses the nature of the American Political system, its development over the past 200 years, and how it works today. There will be an examination in some detail of the principle processes and institutions through which the political system functions, as well as some of the public policies that these institutions establish and how they are implemented. *Summer work is required for this course.*

## 1060 - AP Modern European History

Grade - 10, 11, 12

1 Credit - *Elective*

This course is offered to students who would like to advance their study of European History in order to prepare for the Advanced Placement Test, and will prepare them to do the necessary essay writing that would accompany such a test. The course enables students to understand the principle themes in European History and to prepare for an in-depth analysis of those themes. Students will be challenged with how to communicate these themes and relate them to both European history and history of Western Civilization. At the end of the course, all students are required to take the AP test. *Summer work is required for this course.*

## **107 – Sociology**

**Grade - 11, 12**

**1 Credit - Elective**

This course is an examination of the culture and structure of human societies. The course focuses on social groups and institutions, their norms, values and beliefs. Topics of discussion will include the family, education, deviance, race and ethnicity, gender roles, societal change, and social inequalities.

## **118 – Psychology**

**Grade - 10, 11, 12**

**1 Credit - Elective**

In this course students survey the research and theories of the science of human behavior with a particular focus on human mental processes. Among the topics discussed are development, learning, memory, perception, personality, motivation, social behavior, abnormal behavior and therapy. Also included is an introduction to the various careers associated with psychology. Key to the study of psychology is the scientific method and how it is applied to the analysis and measurement of individuals and groups.

## **1180 - AP Psychology**

**Grade - 10, 11, 12**

**1 Credit - Elective**

This course will introduce students to the systematic and scientific study of behavior and mental processes of human beings and animals. Students are exposed to the physical facts, principles and phenomena associated with the major subfields within psychology. Students will also learn about the method psychologists' use in their science and practice. At the end of the course, all students are required to take the AP test. ***Summer work is required for this course.***

## **128 – Law**

**Grade - 9, 10, 11, 12**

**1 Credit - Elective**

Law is a rigorous law-related education class that gives students a practical understanding of our laws and legal system. This course focuses on legal issues relevant to students' lives and develops knowledge and skills essential in our law-oriented society using critical thinking and reasoning, communication and problem solving. Students will gain a basic understanding of the fundamental principles and values underlying in the U.S. Constitution, and how it influences both civil and criminal law, as well as focusing on juvenile, family, and consumer law.

## **1300 - AP Human Geography**

**Grade - 10, 11, 12**

**1 Credit - Elective**

This course analyzes the fundamental concepts of geography and helps students develop critical thinking skills through the understanding and application of the field. This course focuses on the key concepts of geography as a field of inquiry dealing with the following areas of geography respectively, cultural, political, agricultural, industrial, rural, economic, city and urban planning as well as population problems. At the end of the course, all students are required to take the AP test. ***Summer work is required for this course.***

## **108 - African-American History**

**Grade - 9, 10, 11, 12**

**1 Credit - Elective**

This introductory course, both intensive and extensive, provides an interdisciplinary study of important themes and topics central to the study of experiences of African Americans in the United States. Students will explore theoretical questions, methodological approaches, and major themes that have shaped African American life and culture in the United States. The course begins with classical African civilizations and then explores the impact of African-Americans on the development of the United States. The course is taught using secondary sources.

## **1080 - AP African American Studies**

**Grade – 9, 10, 11, 12**

**1 Credit - *Elective***

The course goals are to provide students with AP African American Studies is a yearlong interdisciplinary course that examines the diversity of African American experiences through direct encounters with varied sources. Students explore key topics that extend from early African kingdoms to the ongoing challenges and achievements of the contemporary moment. This course foregrounds a study of the diversity of Black communities in the United States within the broader context of Africa and the African diaspora. Students who possess exceptional reading and writing skills, the ability to self-motivate in and out of the classroom and the commitment to engage in critical, yet sometimes controversial, topics toward achieving the goals of this course should schedule AP AAS.

## **110 - Mexico and Latin American History & Culture**

**Grade - 11, 12**

**1 Credit - *Elective***

**Prerequisite: Success Completion of U.S. History**

This course will introduce students to the study of Latin American history and culture by analyzing events, experiences and current topics impacting Mexico and Latin America and themes that have forged Latin American identity and culture. Students will be able to understand major events that have shaped Latin America. The course explores the major Native American Civilizations of Latin America including the Aztecs, Maya and Incas. The course analyzes the Age of Exploration and its impact on both Latin America and Europe while discussing the consequences of the Columbian exchange. The course investigates life during the colonial period, various independence movements throughout Mexico and Latin American and current issues that impact the region and its relationship with the United States.

# **HEALTH and PHYSICAL EDUCATION**

## **7052 - Wellness - H/PE – *Required***

**Grade - 9, 10**

**1 Credit**

This course is needed to fulfill the graduation requirement. Students will continue to build a wellness plan through participation in various individual activities, team sports/activities and fitness activities. Students will select various activities to create a wellness plan. Students will also be provided the opportunity to get certification in lifeguarding/CPR/First Aid/AED through the American Red Cross. Students will be assigned a health component that will focus on the development of an individual wellness plan. Each student must complete a presentation outlining their individual wellness plan.



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## **ELECTIVES**

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The following courses are electives that can be chosen during the grades indicated in the course descriptions. They are organized according to content area.

# ART ELECTIVES

**Note: Students wishing to take Studio courses who have not taken Art Major I and/or Art Major II must present evidence of knowledge with a portfolio of their art work.**

**\*Higher level art courses that use specialized, consumable supplies, may require that students pay a small fee. Arrangements can be made to accommodate individual situations.**

## **600 - Artistry Crafts**

**Grade - 9, 10**

**1 Credit**

This hands-on course will explore various methods of creating traditional and non-traditional decorative arts with an emphasis on craftsmanship, unique materials, and experimentation. By exploring various cultural techniques and methods, students will have the opportunity to study and create functional and non-functional forms created through non-traditional media.

## **601 - Art Major I: Drawing & Painting**

**Grade - 9, 10, 11, 12**

**1 Credit**

This is a foundation course presenting students with a range of techniques and concepts to develop artistic abilities with a strong focus not only on drawing skills, but also in problem solving. This class is for students interested in continuing with the arts and is a prerequisite for all studio classes. To continue taking art studio courses, successful completion of this course is required with a C or better.

## **6020 - Art Major II – WH**

**Grade - 10, 11, 12**

**1 Credit**

**Prerequisite: Successful Completion of Art Major I with a “B” or Better**

This is a continuation of Art I with a focus on building and developing students' drawing, painting and design skills. New materials will also be explored to create 2D and 3D artworks. Successful completion of this course with a B or better is required to advance to AP Studio Art: 2D Design.

## **605 - Photography I**

**Grade - 10, 11, 12**

**1 Credit**

**Prerequisite: Successful Completion of Art Major I with a “C” or Better**

This course explores all the basics of photography as an art form. Students will learn modern digital photography skills and film and darkroom processing skills. Students will also gain Adobe Photoshop and Lightroom photo editing skills.

## **60520 - Photography II – WH**

**Grade – 10, 11, 12**

**1 Credit**

**Prerequisite: Completion of Photography I with a “B” or Better**

Students will expand upon their knowledge of photography by exploring different genres so that they may find their niche. Projects and photoshoots will have a deeper message and meaning that allow for student choice and interpretation. In addition to the new concepts in class, students are expected to photograph outside of class as well.

### **60530 - Photography III – WH**

**Grade – 11, 12**

**1 Credit**

**Prerequisite: Completion of Photography II with a “B” or Better**

Building off skills learned in Photography I and II, students will push the techniques further by building a photography portfolio. Students will plan independent photoshoots with a focus on theme and message.

### **606 - Ceramics**

**Grade - 10, 11, 12**

**1 Credit**

**Prerequisite: Successful completion of Art Major I with a “C” or Better**

Students will gain a strong Foundation in all basic hand building and throwing techniques working with clay to create coils, slabs, sculptural forms, and the potter’s wheel to create functional and non-functional forms. The basics of different clay bodies, glazes and firing techniques will also be studied.

### **60620 - Ceramics II – WH**

**Grade – 10, 11, 12**

**1 Credit**

**Prerequisite: Completion of Ceramics with a “B” or Better**

Students will build on foundations of technical skills of hand-building and wheel throwing with emphasis on conceptual art, individual and group critiques, and research in the area of Ceramic Arts.

### **60630 - Independent Ceramics -- WH**

**Grades 11, 12**

**1 Credit**

**Prerequisite: Successful Completion of Ceramics II with a “B” or Better**

Independent Ceramics is for students that are interested in developing their ceramic portfolio. Guided self-exploration allows students the freedom to develop their skills. Experimentation and risk-taking with forms and materials is encouraged within mutually established perimeters that will ensure student success.

### **607 - Painting and Printmaking**

**Grade - 10, 11, 12**

**1 Credit**

**Prerequisite: Successful Completion of Art Major I with a “C” or Better**

In painting students will be exposed to a variety of painting techniques and media. They will be given an opportunity to express personal creativity through original works of art that exemplify color, design and composition. In printmaking students will strengthen skills with design elements to complete projects such as silk-screening to make t-shirts, block printing, mono-prints and collagraphs.

### **612 - Community Arts**

**Grade - 11, 12**

**1 Credit**

This course is focused on working collaboratively to create public works of art. Students will learn about developing concepts, image design and execution of artworks developed for the community. Public art in both 2 dimensional and 3 dimensional media will be explored in this course.

### **613 - Jewelry Making and Sculpture**

**Grade - 10, 11, 12**

**1 Credit**

**Prerequisite: Successful Completion of Art Major I with a “C” or Better**

In Jewelry, students will be introduced to various tools and materials used in metal-smithing and soldering processes to make functional artworks. In Sculpture, students will gain a strong foundation in various media creating both additive and subtractive sculptures using materials such as wire, plaster, wood, and recycled materials.

### **614 - Fibers - Art Studio**

**Grade – 10, 11, 12**

**1 Credit**

**Prerequisite: Successful Completion of Art Major I or Artistry Crafts with a “C” or Better**

This hands-on course will focus on creating art through the use of fibers - art with thread and fabric. Students will explore techniques like: weaving, macrame, and crocheting. Students will also explore traditional fabric dyeing techniques like tie dyeing and batiks with wax. Emphasis will be placed on craftsmanship, risk-taking, and imaginative use of these materials.

### **6150 - AP Studio Art: 2D Design**

**Grade - 11, 12**

**1 Credits**

**Prerequisite: Successful Completion of Art Major I & II with a “B” or Better**

This course is designed for serious art students who have an interest in applying to Arts programs in college. The objective will be to build and document a strong body of work called a portfolio. Development of the artistic process in assorted media is the goal. College application and portfolio review process will be a component of this course. Also, in this course students will practice advanced drawing techniques, including but not limited to, realistic observational drawing, linear perspective, form and space. These skills will then be applied to cartoon and comic illustration and stylistic narrative art. *Summer work is required for this course.*

### **621 - Graphic Design I**

**Grade - 10, 11, 12**

**1 Credit**

**Prerequisite: Successful Completion of Art Major I with a “C” or Better**

Students will learn the basics of digital design programs: Adobe Illustrator and Photoshop. Students will also gain understanding for modern trends in the graphic design industry. Students who successfully complete this course and wish to advance in this genre are encouraged to take “Business Marketing & Graphic Design Technology” next.

### **6210 - Graphic Design II – WH**

**Grade – 10, 11, 12**

**1 Credit**

**Prerequisite: Successful Completion of Graphic Design I with “B” or Better**

Building off skills acquired in Graphic Design I, this course is developed to teach advanced graphic design concepts. With heavy emphasis on computer imaging using the Adobe Creative Suite, students will develop composition/layout skills, packaging design, commercial art, illustrations, and other digital artworks.

## **BUSINESS/FINANCE ELECTIVES**

### **501 - Introduction to Business**

**Grade - 9, 10**

**1 Credit**

In a dynamic society where change is inevitable, students must learn to be wise consumers, valued workers, and responsible citizens. This course helps to develop management techniques, marketing concepts, and economic responsibilities. In addition, the course covers such topics as business ownership, investments, recordkeeping and banking. This course is an introductory course for all students who are interested in exploring business.

## **5010 - Introduction to Business – WH**

**Grade - 9, 10**

**1 Credit**

In this course students will analyze foundations of the American economy. This course is designed to introduce the fundamentals of business, microeconomics, entrepreneurship, marketing, human resources, financial management policy and accounting. Additional focus will be paid to business ethics, law and career planning. Throughout the course, students will create portions of a unique business plan. Additional learning will be enhanced through reading assignments and related projects.

## **510 - Career Technology I**

**Grade - 9, 10, 11**

## **511 - Career Technology II**

**Grade - 10, 11, 12**

**1 Credit**

### **Prerequisite for Career Technology II: Successful Completion of Career Technology I**

What does it take to survive in today's world? How can you increase your net worth? What personal and technical skills and abilities will you need as you go off to college or out to work? Learn the answer to these and other important questions by enrolling in Career Technology. This class will help develop your personal and technical proficiencies essential for a successful future. Learn to use resource materials, budget techniques, balance a checkbook, and record management. Increase your technical proficiency, brush up on computer applications: Internet, word processing, database, spreadsheet and presentation programs. Learn the skills and applications of critical thinking, decision making, and problem solving necessary in your life. Learn how to choose a satisfying and rewarding career, make the right selections based on your aptitudes, personality, and aspirations. Prepare now to live the life you imagined! Students are provided with more than sixty career adventures in Career Technology to prepare for college and/or employment opportunities in our global economy. Individualized instructional areas include business, marketing, communication, service and technology.

## **521 - Advanced Marketing (DECA) – WH**

**Grade - 10, 11, 12**

**1 Credit**

### **Prerequisite: DECA Advisor Recommendation**

This course is designed to develop an understanding of marketing processes and the specific skills in selling, advertising, display, business record keeping, merchandising and human relations. Included are basic economics, marketing processes, consumer motivation, techniques of selling, business systems, customer services, business communication, interpersonal relationships and sales promotion activities in the DECA chapter are used to develop leadership abilities. To receive honors credit, students must participate in DECA's co-curricular competitions and complete a DECA competition project.

## **522 - Sports/Entertainment Marketing**

**Grade - 11, 12**

**1 Credit**

This course will discuss why fans and advertisers spend billions of dollars each year on recreational entertainment and related products and services. We will examine and discuss how to organize and develop a Marketing Plan, with emphasis on various strategies that target specific consumers in the field of Sports and Entertainment.

## **523 - Introduction to Marketing**

**Grade - 9, 10**

**1 Credit**

Students will investigate topics in advertising, communication, consumer behavior, sports and entertainment marketing, and fashion marketing while learning to promote their ideas, products, and themselves.

## **5230 - Introduction to Marketing – WH**

**Grade - 9, 10**

**1 Credit**

Students gain an understanding of the importance of marketing in today's society. They develop skills related to interpersonal communication, self-presentation, economics, marketing, sales, employability, career discovery, and ethical decision-making. This course reinforces mathematics, science, English, and history Standards of Learning. Computer/technology applications and DECA activities support this course. DECA, the co-curricular student organization, offers opportunities in leadership, community, and competitive events

## **524 – Entrepreneurship**

**Grade - 11, 12**

**1 Credit**

Students will investigate issues in management, business law, and finance. They will develop their own personal business plan and have the opportunity to work with business people from the community who offer real world experience and insight.

## **526 - Personal Finance**

**Grade - 11, 12**

**1 Credit**

Students will gain an understanding of their consumer rights/responsibilities and basics of credit and the law. Topics will include checking and savings accounts, investing, real estate and risk management pertaining to vehicle, property, life, and health insurance.

## **527 - Accounting Principles**

**Grade - 10, 11, 12**

**1 Credit**

**Prerequisite: Successful Completion of Algebra I with a “C” or Better**

Whether you plan to enter the workforce or continue onto college, this course is a must for those who are interested in or plan to major in business. This one-year introductory financial accounting course will provide a basic knowledge for keeping financial records for both a service and merchandising business. Other areas to be covered include banking, payroll, and accounting for personal use. Automated accounting is taught using industry's premier accounting software, Peachtree and Microsoft's Excel Spreadsheet application. The concepts covered in this year-long course are equivalent to a first semester of college accounting, which is required by all business majors. This course satisfies the requirement for a fourth-year high school mathematics course.

## **528 - Business Law**

**Grade - 11, 12**

**1 Credit**

This course provides an understanding of the basic principles of law through the exploration of contracts, ethics, and court procedures. Students will be able to classify criminal and civil law and learn about legal rights and legal duties. Business Law should be taken by students with an interest in law and/or any managerial business field.

## **529 - Hospitality and Restaurant Marketing**

**Grade - 10, 11, 12**

**1 Credit**

This course covers the growth and progress of the hospitality and restaurant industries. This course provides an overview of the various challenges and responsibilities encountered in managing a food and beverage operation. Topics include planning, administration, organization, accounting, marketing and human resources from an integrated managerial viewpoint. Upon completion, students should be able to demonstrate an understanding of the background, context, and career opportunities that exist in the hospitality and restaurant industries.

## **530 - Business Marketing & Graphic Design Technology**

**Grade – 11, 12**

**1 Credit**

This course will encompass skills required to run a business in its entirety: planning, launching, managing, operating, and marketing. Students will strengthen analysis and critical thinking skills to align with a marketing and development vision. Students will engage in building their business venture within a guided practice model that relies heavily on research and effective use of industry specific tools to guide their decisions.

- a. **Developing Application Skills:** Developing application skills in Adobe Illustrator is an industry skill needed for marketing products and services. This skill has supplanted the print industry for many facades of business in the workplace.
- b. **Marketing Strategies in Business:** Marketing strategies and techniques have grown vastly over the years and keeping up with design techniques that appeal to customer wants and needs is paramount in being efficient in production. Analysis of demographics, socio-economic, and cognitive thinking all plays an integral part of marketing.
- c. **Understanding Business Decisions in bringing Products and Services to Market:** Social Media and digital experience is yet another application that customers use for ease of access. This course is designed to build a website for products working hand in hand with illustration to depict products and services for the customer experience. Along with digital marketing, advertising certainly is a major topic when building out online design concepts.
- d. **Exploring Human Condition in the MarketPlace:** Many customers have various wants, needs, likes and dislikes. Exploring techniques based on the human condition and use of colors in marketing is just one major piece the student will identify in progression of the applications.

## **989 – Cooperative Work Study Program (Co-op)**

**Grade - 11, 12**

**Variable Credit**

Co-op offers the students an opportunity to receive high school credit for work experience. The job is considered a class, and the employer is the on-the-job teacher. Students can receive assistance finding a job through the co-op coordinator or can continue working at an approved workstation. The student will receive a grade and credit based on work performance and work-related assignments. The co-op coordinator will assist with job placement for students not currently working. See your counselor for specific details and application information.

# **ENGINEERING and TECHNOLOGY ELECTIVES**

**The Engineering path in the Project Lead the Way (PLTW) national engineering program emphasizes critical thinking, creativity, innovation and real-world problem solving. The hands-on learning engages students on multiple levels, exposes them to areas of study that they may not otherwise pursue, and provides them with a foundation and proven path to post-secondary training and career success in STEM-related fields. To enroll in PLTW courses students should have interests in any of the following; Computers, Science, Math and Art**

**There is also a more traditional hands-on path that prepares students for Central Montgomery Technical High School and gaining basic knowledge of tool use and safety through projects in wood and the creation of models in various formats. -**

## **651 – PLTW - Engineering Essentials**

**Grade - 9, 10, 11, 12**

**1 Credit**

Engineering Essentials is a full-year course designed to be a high school student's first exposure to the PLTW Engineering program and is appropriate for students in grades 9-12. In Engineering Essentials, students explore the work of engineers and their role in the design and development of solutions to real-world problems. The course introduces students to engineering concepts that are applicable across multiple engineering disciplines and empowers them to build technical skills through the use of a variety of engineering tools, such as geographic information systems (GIS), 3-D solid modeling software, and prototyping equipment. Students learn and apply the engineering design process to develop mechanical, electronic, process, and logistical solutions to relevant problems across a variety of industry sectors, including health care, public service, and product development and Manufacturing.

## **656 - PLTW - Introduction to Engineering Design – WH**

**Grade - 9, 10, 11, 12**

**1 Credit**

**Prerequisite: Successful Completion of Algebra I**

A pre-engineering foundation course that is activity and project based. IED is based on learning engineering design principles and concepts through sketching, computer modeling and hands-on lab experiences. All learning concepts are founded in algebra, geometry and physics. Projects include puzzle cube project, completing a toy train that is animated and moves on tracks and reverse engineering a toy car. Students with computer aptitude and that enjoy hands on learning should apply.

## **657 - PLTW - Civil Engineering and Architecture – WH**

**Grade - 10, 11, 12**

**1 Credit**

**Prerequisite: Successful Completion of Introduction to Engineering Design**

Students learn about various aspects of civil engineering and architecture and apply their knowledge to the design and development of residential and commercial properties and structures. In addition, students use 3D design software to design and document solutions for major course projects. Students communicate and present solutions to their peers and members of a professional community of engineers and architects.

## **658 - PLTW - Digital Electronics – WH**

**Grade - 10, 11, 12**

**1 Credit**

**Prerequisites: Successful Completion of Introduction to Engineering Design**

A core course of study in the PLTW program, this introductory pre-engineering course develops students' logical thinking skills by solving problems and designing control systems. Students will gain a better understanding of the digital circuits through experiences in binary math which is used in the coding of apps and gaming systems, the use of gates and IC chips and how to properly modulate the power through resistors, capacitors, timers and other electronic circuitry.

## **659 - PLTW - Principles of Engineering – WH**

**Grade - 10, 11, 12**

**1 Credit**

**Prerequisites: Successful Completion of Intro to Engineering**

A continuation of the pre-engineering path based on learning engineering principles and concepts through computer modeling and hands-on lab experiences.

## **652 - PLTW - Engineering Design/Development – WH**

**Grade – 12**

**1 Credit**

**Prerequisite: Successful Completion of 3 Prior PLTW Courses**

Engineering Design/Development encompasses the other courses with a curriculum designed to allow the student to learn how to solve technical problems using the same methodologies scientists and engineers use on a daily basis (the engineering design process). Students will choose a problem they determine with an existing product, they will research solutions, determine the best solution design, test and present their findings.

## **653 - Structural Engineering (Not in PLTW)**

**Grade - 10, 11, 12**

**1 Credit**

This course is project and activity based, it focuses on structures and the forces that act on them. It is divided into four areas (bridges, buildings and towers, homes, and transportation). Each area is studied through research and a hands-on approach through the building of models. Students will study the history, evolution of constructing methods, materials and then build scale models.

## **654 - Wood Technologies (Not in PLTW)**

**Grade – 10, 11, 12**

**1 Credit**

**Prerequisite: Successful Completion of Foundations of Technology**

This course is project and research based. Students will learn proper and safe use of hand and power tools. They will learn to efficiently plan and maximize use of materials. They will demonstrate understanding of different building techniques through the building of class projects and the following of set plans. Students will learn to distinguish various types of wood through their individual characteristics and determine why various types are better for different projects.

## **6501 – PLTW – Principles of AI**

**Grade - 9, 10, 11, 12**

**1 Credit**

This course immerses students in key elements of Artificial Intelligence (AI). Through interdisciplinary learning experiences, students build practical AI literacy skills and lay the foundation to move from consumer to creator. By the end of the course, students will have portfolio-ready dashboards, classifiers, and projects that demonstrate their ability to use AI responsibly and purposefully.

## **660 – Intro to Cybersecurity**

**Grade – 10, 11, 12**

**1 Credit**

The goal of this course is to introduce students to basic cybersecurity concepts and inspire interest in cybersecurity careers. This course does not require any prerequisite knowledge in computing or cybersecurity for the student. The course can be delivered completely on Chromebooks with no specialized equipment. It includes the use of the CYBER.ORG Range, which is a no cost cyber range for all K-12 educators. It can also serve as an initial course to prepare students to take the COMPTIA Security+ exam. This is a computer course where student chromebooks will be used daily.

## **6600 - AP Cybersecurity**

**Grade – 10, 11, 12**

**1 Credit**

This course offers a broad introduction to the field and aligns closely with a college-level, introductory cybersecurity course. Students learn about common threats and vulnerabilities and how they combine to create risk. Students study how individuals and organizations manage risk and how risk can be mitigated through a defense-in-depth strategy. Students explore specific vulnerabilities, attacks, mitigations, and detection measures across a variety of domains including physical spaces, computer networks, devices, and data and applications. Throughout the course, students consider the impact of cybersecurity on individuals, organizations, societies, and governments. Content and skills taught in the course align with the professional skills outlined in the National Initiative for Cybersecurity Education Workforce Framework.

# **HEALTH AND PHYSICAL EDUCATION ELECTIVES**

## **7054 - Advanced Physical Education**

**Grade - 11, 12**

**1 Credit**

**Prerequisite: Successful Completion of Wellness & Teacher Recommendation**

This course is designed for students who have a strong interest in physical education, a competitive nature and /or interested in learning some non-traditional sports as well as their history and theory. Students will be exposed to classroom-style instruction in addition to activity, and will explore a topics not covered in the traditional PE program including planning activities and learning techniques to teach others (recreation, camps). *\*Note: this course is an elective and does NOT satisfy the PE requirements.*

### **7055 - Life Fitness & Recreation**

**Grade - 11, 12**

**1 Credit**

This course includes classroom exploration of relationships between diet, exercise, proper nutrition, and goal setting in regard to performance. Physical education games emphasizing cardiovascular conditioning as well as performance in the fitness center and weight room will be emphasized. Activities will be geared toward weight control, muscle toning, and cardiovascular improvement including fitness walking, jogging, running, biking, lifetime activities and recreational games. *\*Note: this course is an elective and does NOT satisfy the PE requirements.*

### **7058 - Competitive Team Games**

**Grade - 10, 11, 12**

**1 Credit**

**Prerequisite: Successful Completion of Wellness**

In the interest of enhancing physical fitness and athletic skills, the Competitive Team Games course will develop student interest in sports, lifetime fitness and the competitive spirit that is inherent in all of us. Basic motor skills and knowledge of sports concepts are important tools in the development and continuation of a healthy attitude and lifetime fitness. Students in this course will participate vigorously in various games as an integral part of a team, implement strategy of various games through teamwork, display good sportsmanship, and develop athletic skills through active participation in competition and practice. The following sports and skills may be covered during the semester: hockey, handball, volleyball, basketball, football, soccer, and various other sports. *\*Note: this course is an elective and does NOT satisfy the PE requirements.*

### **7057 - Lifeguarding**

**Grade - 11, 12**

**1 Credits**

**Prerequisite: Successful Completion of Wellness**

This semester course is designed for students who are interested in becoming American Red Cross Lifeguard certified. Students will complete the prescribed ARC Lifeguard course consisting of certification in First Aid, CPR, AED as well as Water Rescue. *\*Note: this course is an elective and does NOT satisfy the PE requirements.*

## **JUNIOR ROTC**

### **9291 - Junior ROTC: LET I**

**Grade - 9, 10, 11, 12**

**1 Credit**

Junior ROTC Leadership Education & Training (LET 1) is designed to teach students the value of citizenship, leadership, service to the community, personal responsibility, and a sense of accomplishment while instilling in them self-esteem, teamwork, and self-discipline. Its focus is reflected in its mission statement, "To motivate young people to be better citizens." It prepares high school students for responsible leadership roles while making them aware of their rights, responsibilities, and privileges as American citizens. There are six core blocks of instruction including Character and Leadership Development; Leadership Theory and Application; Foundations for Success; Wellness, Fitness, and First Aid; Geography and Earth Science; and Citizenship and American History. Junior ROTC is not a recruitment tool. Its focus is on developing young people and orienting them positively in preparation for whatever role in life they might choose. The levels of responsibility for LET II, LET III, and LET IV students (2nd, 3rd, and 4th year cadets respectively) increases with each additional year in the program.

### **9292 - Junior ROTC: LET II**

**Grade - 10, 11, 12**

**1 Credit**

**Prerequisite: Successful Completion of LET I (9291)**

LET II cadets are placed into entry level leadership positions responsible for training and induction the first year LET Is. Their curriculum focuses on Wellness, Fitness and First Aid, Geography and Earth Science, and Physical Fitness.

### **9293 - Junior ROTC: LET III**

**Grade - 11, 12**

**1 Credit**

**Prerequisite: Successful Completion of LET II (9292)**

LET III cadets are mid-level leaders responsible for commanding the companies in the battalion. Advanced levels of leadership training and greater leadership opportunities are the primary focus for third year cadets. Their curriculum focuses on Leadership Theory Application, Foundations for Success, Wellness Fitness and First Aid, Financial Planning, and Community Service.

### **9294 - Junior ROTC: LET IV**

**Grade – 12**

**1 Credit**

**Prerequisite: Successful Completion of LET III (9293)**

The LET IV cadets command the battalion and hold the key staff functions of Personnel, Logistics, and Operations. The battalion Service Learning Project is planned and executed by LET IVs. Their curriculum focuses on Leadership Theory and Application, citizenship and American History, and Community Service. Earning the minimum score required to gain admittance to a branch of the armed services in the year the student graduates on the Armed Services Vocational Aptitude Battery (ASVAB) may support the completion of Act 158: Graduation Pathway 3.

### **9295/9296 - Junior ROTC: LET V & LET VI**

**Grade – 12**

**1 Credit**

**Prerequisite: Successful Completion of LET IV (9294)**

LET V and LET VI is a continuation of Junior ROTC curriculum and instruction in preparation for armed services.

## **MUSIC ELECTIVES**

### **6241 - Choir (A or B Day)**

**1 Credit**

### **6242 - Choir (Full Year)**

**2 Credits**

**Grade - 9, 10, 11, 12**

This introductory choir is open to all students. Students will learn how to improve their voices by learning proper singing techniques and skills. They will learn to read music through sight singing, rhythm skills, and understanding musical terms and markings. Credit will be earned through class participation, performance evaluations and attendance at scheduled performances.

### **6311 - Concert Band (A or B Day)**

**1 Credit**

### **6312 - Concert Band (Full Year)**

**2 Credits**

**Grade - 9, 10, 11, 12**

**Prerequisite: Minimum of 1 year of School or Private Lessons on a Concert Band Instrument**

Concert Band enables the instrumentalist to perform in a large ensemble consisting of brass, woodwinds, and percussion instruments. Students are introduced to a wide variety of musical literature, both in the classic and contemporary settings. This class serves as an advanced continuation of previous band settings, such as private lessons or middle school band programs. Credit is earned through mastering the skills of musicality, class participation and performance attendance.

## **632 - Jazz Band**

**Grade - 9, 10, 11, 12**

**1 Credit**

Concert Band enables Jazz Band focuses on musical independence, high-level jazz literature, improvisation, and the exploration of the various forms of jazz music. Enrollment in this course is open to all students who have developed the appropriate pre-requisite skills on their instruments and are experienced musicians who have an interest in advancing their musical skills. Instrumentation for this ensemble includes saxophone, clarinet, trumpet, trombone, drum set, mallet percussion, piano, guitar, and bass. Supplemental after-school rehearsals are a required part of this course. The Jazz Band will perform in various concerts, community performances, and select competitions each year. These performances are required for all students enrolled in this course. Concurrent enrollment in Band 9+ or WH Band is highly recommended.

## **63101 - Concert Band – WH (A or B Day)**

**1 Credit**

## **63102 - Concert Band - WH (Full Year)**

**2 Credits**

**Grade - 10, 11, 12**

**Prerequisite: Successful Completion of 1 year of Concert Band with a Grade of a B or Better and Teacher Recommendation**

Students in weighted honors concert band will build on the skills learned during the first year of concert band (course #631). Additional requirements will include more performances outside of the school day. Students taking this course are required to achieve a B or better during their first year of high school concert band. Teacher recommendation is required.

## **6341 – Orchestra (A or B Day)**

**1 Credit**

## **6342 - Orchestra (Full Year)**

**2 Credits**

**Grade - 9, 10, 11, 12**

**Prerequisite: Minimum of 1 Year of School or Private Lessons on an Orchestral String Instrument**

Orchestra enables orchestral string players to perform in a large ensemble. Students will continue studies on their primary string instrument and practice their mastery of skills, including tuning, care and maintenance, and performance technique. Students will be introduced to a wide variety of strong orchestra literature, both in the classical and contemporary settings. This class serves as an advanced continuation of previous orchestral settings, such as private lessons or middle school orchestra programs. Credit is earned through performance assessments, class participation, and concert attendance.

## **6351 - Orchestra - WH (A or B Day)**

**1 Credit**

## **6352 - Orchestra - WH (Full Year)**

**2 Credits**

**Grade - 10, 11, 12**

**Successful Completion of 1 year of Orchestra with a Grade of a “B” or Better and Teacher Recommendation**

Students in weighted honors orchestra will build on the skills learned during the first year of orchestra 634. Additional requirements will include more performances outside of the school day. Students taking this course are required to achieve a B or better during their first year of high school orchestra. Teacher recommendation is required.

## **636 - Piano I**

**Grade - 9, 10, 11, 12**

**1 Credit**

This course is designed as an introduction to piano and fundamental music theory. No prior musical knowledge is necessary as this class is organized for a beginner to learn from the ground up. Students will become musically literate as well as learn the fundamental techniques for playing the piano. Students will be able to perform and compose basic piano music.

### **637 - Advanced Piano-WH**

**Grade - 10, 11, 12**

**1 Credit**

**Prerequisite: Overall grade of an “A” in Piano I and Teacher Signature**

Advanced Piano is designed to give enthusiastic students the opportunity to continue their study of piano. This is a rigorous course and should only be taken if the student is dedicated to improving their piano ability. Space is extremely limited.

### **640 - Guitar I**

**Grade - 9, 10, 11, 12**

**1 Credit**

This course is designed as an introduction to the guitar. Students will learn the proper techniques such as posture, finger placement, tone production, care of instrument, and tuning. They will also learn various strumming patterns, open and barre chords, note-reading in treble clef, tablature, ensemble playing, composition, and performance practice.

### **641 - Guitar Ensemble – WH (A or B Day)**

**1 Credit**

### **6412 - Guitar Ensemble – WH (Full Year)**

**2 Credits**

**Grade - 10, 11, 12**

**Prerequisite: Successful Completion of Guitar I with a Grade of a “B” or Better AND Department Recommendation**

This course is an expansion of Guitar I, and is designed for the second year and more advanced student. Students will utilize all concepts from Guitar I and will additionally learn scales, classical, blues, and advanced ensemble playing. Evening concerts in winter and spring are mandatory. Credit is earned through performance assessments, class participation, and concert attendance. Students will be expected to participate in additional performances.

### **6441 - Select Choir – WH (A or B Day)**

**1 Credit**

### **6442 - Select Choir – WH (Full Year)**

**2 Credits**

**Grade - 9, 10, 11, 12**

**Prerequisite: Audition Required**

Select Choir and Select Strings teach advanced level technique through the use of challenging high school and college level music. Students are required to attend the festivals, evening concerts throughout the year, and community performances. Enrollment is determined by audition or teacher placement.

### **638 - Music in Culture**

**Grade – 9, 10, 11, 12**

**1 Credit**

This semester long course will teach students a combination of music history, genre, and music’s relation to events both current and past. Students will analyze lyrics and style to learn their impact on society, both locally and nationally. By the end of the course students will understand how music and performance has affected modern culture and, conversely, how culture has impacted modern music. They will gain an appreciation for the importance of music in daily life.

### **645 - Music Theory**

**Grade - 10, 11, 12**

**1 Credit**

**Prerequisite: Successful Completion of at Least 1 Year of Band, Orchestra, or Piano with a Grade of a “B” or Better**

Students will learn to analyze and create traditional western music. The ability to read and write musical notation is fundamental to such a course. It is assumed that the student has acquired (or is acquiring) at least basic performance skills in voice or on an instrument. Students interested in this course should be aware that they will be required to sing (known as sight-singing) on a daily basis. Students will be required to compose and perform their own pieces of music by the end of the course. This course is the prerequisite for the AP Music Theory course. Students must pass this course with a B or higher in order to enroll in AP Music Theory.

## 6450 - AP Music Theory

Grade - 11, 12

1 Credit

**Prerequisite: Successful Completion of Music Theory**

This course is designed to prepare students for college-level music theory classes and for the Advanced Placement Music Theory exam. Students will learn to analyze and create traditional, western music. The ability to read and write musical notation is fundamental to such a course. It is assumed that the student has acquired basic performance skills on an instrument. Students interested in this course should be aware that they will be required to sing (known as sight-singing) on a daily basis. Students are also required to take the AP Music Theory exam. Students can bypass “Music Theory” and enter AP Music Theory by successfully passing the Entrance Exam, showing they are proficient on an instrument, and providing a NAHS Music Teacher’s Recommendation. **Students must receive a letter of recommendation for this course from a NAHS Music Teacher. *Summer work is required for this course.***

# PERFORMING ARTS ELECTIVES

## 661 - Acting

Grade - 10, 11, 12

1 Credit

**Prerequisite: 9<sup>th</sup> Graders Must Have Teacher Recommendation**

In this workshop style course, students will learn the elements and principles of acting. Students will perform daily in front of their classmates and are expected to memorize lines for monologues, scenes, and plays. Writing, in the form of character biographies, peer feedback, and reflection, will also be an integral part of this course.

## 667 - Acting II

Grade - 11, 12

1 Credit

**Prerequisite: Successful Completion of Acting**

In this workshop style course, students will continue to learn the elements and principles of acting. Students will perform daily in front of their classmates and are expected to memorize lines for monologues, scenes, and plays. Writing, in the form of character biographies, peer feedback, and reflection, will also be an integral part of this course.

## 668 - Acting III

Grade - 12

1 Credit

**Prerequisite: Successful Completion of Acting II with a “B” or Better or Teacher Approval**

This advanced workshop course deepens students’ acting skills through focused character and script analysis and exploration of multiple acting styles and techniques. Students will take on increased leadership roles, including mentoring peers, leading warm-ups, and contributing to collaborative directing.

Daily memorized performance work continues, including monologues and scenes. Writing remains essential and may include annotated scripts, research, journals, and reflection. Students are expected to demonstrate professionalism, initiative, and creative risk-taking as they prepare polished performance work.

## 669 - Academic & Technical Theatre

Grade - 9, 10, 11, 12

1 Credit

This course will present a survey of all aspects of live theatre including history, playwriting, performances skills, production techniques, and business knowledge. There will be special emphasis placed on the specialized skills necessary to produce a play (tech). Students will develop and practice these skills and understandings as they write their own plays and design the corresponding theatrical elements. Students should also expect to build and paint scenery as well as design costumes, props, lighting, sets, and publicity. **Note: This is not an acting class.**

## **670 - Academic & Technical Theatre II**

**Grade - 10, 11, 12**

**1 Credit**

**Prerequisite: Successful Completion of Academic and Technical Theatre**

Students will continue to develop their knowledge and skills in the production of live theatre as learned in Academic and Technical Theatre. Moreover, students will assume leadership roles, managing teams of classmates in the conception and execution of tech for the after-school theatre program. Participation in at least one after-school Drama Club production will be required.

# **WORLD LANGUAGE ELECTIVES**

**To progress to the next level, a student must earn at least a C and/or have the teacher's recommendation. Many colleges and universities require a minimum of 2 years of the same world language to be considered for admission. More selective colleges and universities may be interested in seeing students take 3 or 4 years of the same world language.**

## **400 - French I**



**Grade - 9, 10, 11**

**1 Credit**

This introductory course is for students who have never studied the language or have minimal/limited prior knowledge of or exposure to the language. Students are introduced to basic vocabulary and grammar and learn to communicate about themselves, their families, restaurants, and leisure activities. The four skills of listening, speaking, reading, and writing are emphasized. Students are exposed to the customs and the culture of the target language.

## **4000 - French I – WH**



**Grade - 9, 10, 11**

**1 Credit**

**Prerequisite: Successful Completion of 8<sup>th</sup> Grade English & Teacher Recommendation**

This introductory course is for students who have never studied the language or have minimal/limited prior knowledge of or exposure to the language. Students are introduced to basic vocabulary and grammar and learn to communicate about themselves, their families, restaurants, and leisure activities. The four skills of listening, speaking, reading, and writing are emphasized. Students are exposed to the customs and the culture of the target language. The course's workload and material are more challenging and include additional material (vocabulary, grammar concepts) and advanced activities (unstructured dialogue, more in-depth readings) presented at an increased pace.

## **401 - French II**



**Grade – 9, 10, 11, 12**

**1 Credit**

**Prerequisite: Successful completion of French I or WH French I**

The second year builds upon the first year's program. Vocabulary development, more complex grammatical structures and additional verb tenses are emphasized. Students learn to communicate about preferences, vacations, celebrations, and gastronomy through more in-depth oral and written activities. Increased proficiency in listening and speaking is expected. More sophisticated readings are introduced. Students are expected to write original paragraphs and short compositions in the target language. The study of the culture and customs of the target language is continued through readings, videos and other media in the target language.

## 4010 - French II – WH

Grade – 9, 10, 11, 12

1 Credit

**Prerequisite: Successful Completion of French I or WH French I with Teacher Recommendation**

The second year builds upon the first year's program. Vocabulary development, more complex grammatical structures and additional verb tenses are emphasized. Students learn to communicate about preferences, vacations, celebrations, and gastronomy through more in-depth oral and written activities. Increased proficiency in listening and speaking is expected. More sophisticated readings are introduced. Students are expected to write original paragraphs and short compositions in the target language. The study of the culture and customs of the target language is continued through readings, videos and other media in the target language. The course's workload and material are more challenging and include additional material (vocabulary, grammar concepts) and advanced activities (unstructured dialogue, more in-depth readings) presented at an increased pace.

## 402 - French III

Grade – 10, 11, 12

1 Credit

**Prerequisite: Successful Completion of French I & French II**

Increasingly sophisticated vocabulary and grammatical skills are developed in conjunction with improved listening, speaking, reading, and writing abilities. Additional verb tenses are introduced. More complex reading and writing assignments are part of the course. Students learn to communicate about health, technology, driving, and occupations through advanced oral and written activities. Cultural awareness continues to be developed through readings, and the use of other media in the target language.

## 4020 - French III – WH

Grade – 10, 11, 12

1 Credit

**Prerequisite: Successful completion of French II or WH French II with Teacher Recommendation**

Increasingly sophisticated vocabulary and grammatical skills are developed in conjunction with improved listening, speaking, reading, and writing skills in accordance with ACTFL guidelines for World Languages in order to communicate better in the language. Additional verb tenses are introduced. Students learn to communicate about health, technology, driving, and occupations through advanced oral and written activities. More complex reading and writing assignments are part of this course. Cultural awareness continues to be developed through the study of francophone cultures through the use of newspapers, magazines, music, film, and literature. The course's workload and material are more challenging and include additional material (vocabulary, grammar concepts) and advanced activities (unstructured dialogue, more in-depth readings) presented at an increased pace.

## 4030 - French IV – WH

Grade - 11, 12

1 Credit

**Prerequisite: Successful Completion of French III or WH French III with Teacher Recommendation**

Increased emphasis is placed on oral proficiency as well as written self-expression in the target language. A grammar review is combined with the introduction of the remaining essential grammar topics. Readings are in the target language. More sophisticated writing is expected. Thematic units such as science and technology, key francophone figures, and the environment are studied. Cultural topics are conveyed through the use of authentic resources such as magazines, videos, and internet resources. The course's workload and material are more challenging and include additional material (vocabulary, grammar concepts) and advanced activities (unstructured dialogue, more in-depth readings) presented at an increased pace.

## 40300 - AP French

Grade - 11, 12

1 Credit

**Prerequisite: Teacher Recommendation**

AP French Language and Culture is designed to increase the fluency and level of sophistication with which students express themselves in French, develops their ability to understand the language and the cultures of the French-speaking world. The course prepares students for the Advanced Placement French Language and Culture examination (additional fee), which they take at the end of the year. This exam provides the opportunity to earn college credits. Successful completion of this course requires significant work and diligence. *Summer work is required for this course.*

## **411 – Spanish for Heritage Speakers I**

**Grade - 9, 10, 11, 12**

**1 Credit**

**Prerequisite: Primary Language Spoken by the Student at Home is Spanish. Student must be able to Speak, Read, and Write Spanish to Some Extent. A Placement Test Will Be Used to Determine the Level Proficiency and Placement for Each Student**

Students will improve their current speaking, reading, and writing skills in Spanish. The purpose of this course is to improve academic language and literacy skills for Spanish-speaking students and build an appreciation for Hispanic culture through a variety of literature, including poems, novels, and short stories. Students will also develop and improve skills in other areas of study through cross-curricular study of other disciplines while improving their Spanish skills. The course enhances literacy, improves language skills, and develops cross-cultural understanding for Spanish heritage speakers. It is taught completely in Spanish.

## **4112 - Spanish for Heritage Speakers II**

**Grade - 10, 11, 12**

**1 Credit**

**Prerequisite: Primary Language Spoken by the Student at Home is Spanish. Successful Completion of Heritage I & Teacher Recommendation**

Students will continue to improve their current speaking, reading, and writing skills in Spanish. The purpose of this course is to improve academic language and literacy skills for Spanish-speaking students and build an appreciation for Hispanic culture through a variety of literature, including poems, novels, and short stories. Students will also develop and improve skills in other areas of study through cross-curricular study of other disciplines while improving their Spanish skills. The course enhances literacy, improves language skills, and develops cross-cultural understanding for Spanish heritage speakers. It is taught completely in Spanish.

## **4113 - Spanish for Heritage Speakers III – WH**

**Grade - 11, 12**

**1 Credit**

**Prerequisite: Primary Language spoken by the student at home is Spanish. Successful completion of Heritage II with a “C” or better & Teacher Recommendation**

Students will continue to improve their current speaking, reading, and writing skills in Spanish through more intensive grammar, reading and writing activities. The course continues to enhance literacy, improve language skills, and develop cross-cultural understanding for Spanish heritage speakers. It is taught completely in Spanish.

## **4114 - Spanish for Heritage Speakers IV – WH**

**Grade – 12**

**1 Credit**

**Prerequisite: Primary Language Spoken by the Student at Home is Spanish. Successful Completion of Heritage III with a “C” or Better & Teacher Recommendation**

Students will continue to improve their current speaking, reading, and writing skills in Spanish through more intensive grammar, reading and writing activities. The course continues to enhance literacy, improve language skills, and develop cross-cultural understanding for Spanish heritage speakers. It is taught completely in Spanish.

## **412 - Spanish I**

**Grade - 9, 10, 11**

**1 Credit**

The first level of Spanish is appropriate for those students who have never studied Spanish or have had minimal prior knowledge or limited exposure to the language. Students are introduced to basic grammar and vocabulary. Students develop the four basic language skills of listening comprehension, speaking, reading, and writing through units with themes revolving around the aspects of life in the many Spanish-speaking countries. Students are introduced to customs and cultures of the many countries that speak Spanish. In addition, students will be exposed to cultural enrichment in a weekly lesson that focuses on different styles of music from Spain and Latin American countries

### 4120 - Spanish I – WH

Grade - 9, 10, 11

1 Credit

**Prerequisite: 8<sup>th</sup> Grade English Teacher Recommendation**

The first level of Spanish is appropriate for those students who have never studied Spanish or have had minimal prior knowledge or limited exposure to the language. Students are introduced to basic grammar and vocabulary. Students develop the four basic language skills of listening comprehension, speaking, reading, and writing through units with themes revolving around the aspects of life in the many Spanish-speaking countries. Students are introduced to customs and cultures of the many countries that speak Spanish. In addition, students will be exposed to cultural enrichment in a weekly lesson that focuses on different styles of music from Spain and Latin American countries. The course's workload and material are more challenging and include additional material (vocabulary, grammar concepts) and advanced activities (unstructured dialogue, more in-depth readings) presented at an increased pace.

### 413 - Spanish II

Grade – 9, 10, 11, 12

1 Credit

**Prerequisite: Successful Completion of Spanish I**

The second year builds upon the first year's program. Vocabulary development, more complex grammatical structures, and additional verb tenses are emphasized. Increased proficiency in listening and speaking is expected. More sophisticated readings are introduced. Students are expected to write original paragraphs and short compositions in the target language. The study of the culture and customs of the target language is continued through readings, videos, and other media in the target language. Students will also be exposed to cultural enrichment in a weekly lesson that focuses on famous historical figures from Spain and Latin American countries.

### 4130 - Spanish II – WH

Grade – 9, 10, 11, 12

1 Credit

**Prerequisite: Successful Completion of Spanish I or Spanish I WH with Teacher Recommendation**

The second year builds upon the first year's program. Vocabulary development, more complex grammatical structures, and additional verb tenses are emphasized. Increased proficiency in listening and speaking is expected. More sophisticated readings are introduced. Students are expected to write original paragraphs and short compositions in the target language. The study of the culture and customs of the target language is continued through readings, videos, and other media in the target language. Students will also be exposed to cultural enrichment in a weekly lesson that focuses on famous historical figures from Spain and Latin American countries. The course's workload and material are more challenging and include additional material (vocabulary, grammar concepts) and advanced activities (unstructured dialogue, more in-depth readings) presented at an increased pace.

### 414 - Spanish III

Grade – 10, 11, 12

1 Credit

**Prerequisite: Successful Completion of Spanish I & Spanish II**

Students continue to increase their knowledge of Spanish with an in-depth study of advanced grammar and vocabulary. There is focus on meaningful conversation in Spanish with increased emphasis on listening, speaking, reading and writing. Students will be expected to write short compositions in Spanish and to read short stories and/or novels. Students are also further exposed to Spanish-speaking people and cultures.

### 4140 - Spanish III – WH

Grade – 10, 11, 12

1 Credit

**Prerequisite: Successful completion of Spanish II or Spanish II WH with Teacher Recommendation**

Students continue to increase their knowledge of Spanish with an in-depth study of advanced grammar and vocabulary. There is focus on meaningful conversation in Spanish with increased emphasis on listening, speaking, reading and writing. Students will be expected to write short compositions in Spanish and to read short stories/novels. Students are also further exposed to Spanish-speaking people and cultures. The course's workload and material are more challenging and include additional material (vocabulary, grammar concepts) and advanced activities (unstructured dialogue, more in-depth readings) presented at an increased pace.

### 4150 - Spanish IV – WH



Grade - 11, 12

1 Credit

**Prerequisite: Successful Completion of Spanish III or Spanish III WH with Teacher Recommendation**

Increased emphasis is placed on oral proficiency as well as written self-expression in the target language. A grammar review is combined with the introduction of the remaining essential grammar topics. Readings are in the target language. More sophisticated writing is expected. Cultural topics are conveyed through the use of authentic resources such as magazines, videos, and internet resources. The course's workload and material are more challenging and include additional material (vocabulary, grammar concepts) and advanced activities (unstructured dialogue, more in-depth readings) presented at an increased pace.

### 41500 - AP Spanish Language & Culture



Grade - 11, 12

1 Credit

**Prerequisite: Successful Completion of Spanish IV WH or Spanish for Heritage Speakers III WH**

AP Spanish Language and Culture is equivalent to an intermediate level college course in Spanish. Students cultivate their understanding of Spanish language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and communities, personal and public identities, beauty and aesthetics, science and technology, contemporary life, and global challenges. *Summer work is required for this course.*

## ADDITIONAL ELECTIVES

### 055 - Peer Tutoring – WH

Grade - 11, 12

1 Credit

**Prerequisite: Completion and Approval of Peer Tutoring Application Prior to Start of School Year. Applicants Must Have A Strong Academic Standing and Demonstrate a Maturity and Respect for Others.**

Peer tutors have long been utilized in the school setting. These student helpers provide effective academic support to students who are not working at grade level, struggling with specific class content and concepts or just need additional support and encouragement to help them work successfully. Students interested in becoming a peer tutor are required to complete a peer tutor application and acquire teacher and/or counselor recommendations. They must be in good academic standing, have a strong desire to help others and possess the leadership, maturity and self-discipline necessary to be an effective tutor. Peer tutoring sessions would be held during selected class periods, selected lunch periods and at least one day after school.

### 000/111 - Early Release/Late Entry

Grade – 12

0 Credit

This class is designed for students who are on course to graduate who have successfully completed 19 credits. Permission from parent/guardian required. Student must provide own transportation.

### 000 - Advocacy Program

Grade – 12

1 Credit

Advocacy is designed to support Roosevelt Campus of the NAHS students in the achievement of their Personal Success Plan and credit recovery goals and provide students with post-secondary exposure and readiness. The course meets daily throughout the fall and spring semesters and is individualized for each student's unique needs based on his/her Personal Success Plan and goals. Students will also participate in group activities.

*\*For students attending the RCONAHS Only*



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**SPECIAL PROGRAMS**

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# VIRTUAL HIGH SCHOOL

## 93800/93801 - VHS Virtual High School

**Grade - 11, 12**

**1 Credit**

### **Prerequisite: Approval from Coordinator and Principal Required**

Imagine classrooms without walls, where students are able to attend their classes 24 hours a day, seven days a week. Imagine a nearly limitless selection of courses that are innovative and technologically rich in the areas of core academics, technology, and language minorities. Imagine students working cooperatively online with others from a wide variety of ages, ethnicities, backgrounds, and geographic locations. What you are beginning to imagine is the reality of the Virtual High School. VHS is an opportunity for NAHS students to take over 150 elective courses available over the Internet. Students take VHS course(s) during their regular four block school day and reports to class regularly. Study hall(s) is initially placed on the student's schedule as a place holder until the VHS course(s) is chosen and registered with the coordinator. A student cannot earn more than 8 credits in a school year. The course is a normal class except the instructor is in a classroom in another participating VHS school. There are full and half year courses for students with strong personal initiative and solid academic interests. VHS includes AP, honors, and regular classes. The courses may only be taken as electives and cannot replace a regular course. Solid computer skills are necessary. The course catalogue is available at [www.govhs.org](http://www.govhs.org).

*\*In order to register for a second VHS course, student must have a final grade of a "C" or better in their previous VHS course.*

*\*\*Seats are limited*

# GIFTED EDUCATION

### **Prerequisite: District Screening and Gifted Individualized Education Program**

The courses listed below are available to students who have been identified as mentally gifted. The Gifted Seminar program is designed to expand and build upon learning taking place within the Core Curricular areas. Students receive enrichment and goal support from the Gifted Support teachers who are available for teacher/student conferencing throughout the year in addition to managing the student's annual GIEP. Participation may also include registering for monthly workshops and seminars in varying areas of interest.

## **Gifted Resource Room**

**ALL GRADES**

**0 Credit**

Students interested in utilizing this resource will have the opportunity to visit the Gifted Resource Room during all lunches. Students may use their time to work independently on academic assignments, conference with a gifted teacher or study collaboratively with gifted peers. This is a resource designed to foster the academic, social, and emotional needs of the gifted learner and to encourage students to develop strong work habits. Gifted teachers are available to work with individual students in connection with their GIEP goal(s) and/or future plans. Gifted Support is available only to students who are identified as gifted.

## **Gifted Seminar Monthly Workshops**

**ALL GRADES**

**0 Credit**

As part of the Gifted Seminar program, students may choose from announced workshops and seminars which they feel reflect a personal or academic area of interest. These seminars are designed to expand and build upon learning taking place within the student's regular education classes. Typical offerings include: Cybersurgeons, Film Study, History Seminars, College Search, Drama Study, SAT Prep, Book Club, Math League and Academic competitions. More information on gifted seminar offerings is available on Schoology.

# SPECIAL EDUCATION

## INTERVENTION COURSES - SCHEDULED IN COMBINATION WITH REGULAR COURSE SCHEDULE

These courses are designed to provide supplemental and intervention-based instruction for students in addition to their regular course schedule. Placement in these courses is an IEP team decision.

### **Reading 1 (A/B)**

**Grade - 9, 10, 11, 12**

**1 Credit**

Reading Intervention 1 is designed for students with a language-based specific learning disability. This intervention is provided to students who require more intensive, structured literacy instruction utilizing multi-modalities approaches to reading. The focus of Reading 1 is to master the foundational skills of reading. As a structured literacy program based on phonological-coding research, this intervention directly and systematically teaches the structure of the English language. Through the program, students learn fluent decoding and encoding skills to the level of mastery to assist in students' comprehension of texts. Reading 1 is scheduled at the discretion of the IEP team and can span between 1-2 years, depending on students' needs.

### **Reading 2 (A/B)**

**Grade - 9, 10, 11, 12**

**1 Credit**

Reading 2 is a comprehensive, research-based reading program designed for students with a Specific Learning Disability in reading comprehension. The flexible, multi-year program provides students the skills they need to quickly become fluent, competent, and confident readers. Students are exposed to books that are relevant to their lives and the problems they face. Students learn to apply vocabulary, prediction, decoding, fluency, and summarization strategies to various texts. The goal of Reading 2 is to independently integrate the strategies to unfamiliar passages and novels. Reading 2 is scheduled at the discretion of the IEP team and can span between 1-2 years, depending on students' needs.

### **2065 - Pre-Algebra**

**Grade – 9**

**2 Credit**

This course is designed for students with an Individualized Education Program (IEP) that may require extra foundational skills before entering Algebra 1A. In this course, students will review mathematical skills needed for the study of Algebra as well as a brief introduction to Algebra. Topics include the arithmetic of integers, fractions, decimals, and percents; applications of these arithmetic skills to problems involving measurement, percent, ratio, and proportion; and math study skills. The introduction to Algebra consists of operations on signed numbers, algebraic expressions, solving linear equations and an introduction to graphing.

## ADDITIONAL COURSES – SCHEDULED IN COMBINATION WITH REGULAR COURSE SCHEDULE

### **989 - Co-op**

**Grade - 11, 12**

**Variable Credit**

Co-op offers the students an opportunity to receive high school credit for work experience. The job is considered a class, and the employer is the on-the-job teacher. Students can receive assistance finding a job through the co-op Coordinator or can continue working at an approved workstation. The student will receive a grade and credit based on work performance and work-related assignments. See your counselor for application information.

### **990 - Community Based Vocational Training (CBVT)**

**Grade - 11, 12**

**Variable Credit**

This course permits eligible students who have an Individual Education Program (IEP) the opportunity to participate in non-paid vocational training at a District approved community or school district worksite. Students participate in work training that can be up to a half day of participation.

# ENGLISH LANGUAGE DEVELOPMENT

## **0705 - Newcomer English Language Development**

**Grade - 9, 10, 11, 12**

**1 Credit**

### **Prerequisite: Diagnostic Testing**

This course is designed for students with a WIDA Screener or WIDA ACCESS score between 1.0-1.9.

Newcomer ELD is for students who are new to English, new to the country, new schooling and/or have had limited or interrupted formal education. The emphasis at this level is on listening comprehension and oral language production in English. Students develop basic survival English skills as they acclimate to the U.S. school system. Some academic vocabulary and background knowledge is introduced via reading and writing through a variety of strategies appropriate for the beginning level of English language proficiency according to the PA Standards for English Language Development and the WIDA Standards.

## **0715 - English Language Development 1**

**Grade - 9, 10, 11, 12**

**1 Credit**

### **Prerequisite: Diagnostic Testing**

This course is designed for students with a WIDA Screener or WIDA ACCESS score between 2.0-2.9.

ELD 1 focuses on developing oral and written communication skills while building general and academic vocabulary. This course continues the development of listening, speaking skills with an increased focus on reading and writing. Students begin to understand and use language and information in a wide range of situations. Explicit grammar instruction helps students develop their understanding of the forms and functions of language. Reading and writing activities extend language development using the four language domains: listening, reading, speaking and writing, according to the PA Standards for English Language Development and the WIDA Standards.

## **0725 - English Language Development 2**

**Grade - 9, 10, 11, 12**

**1 Credit**

### **Prerequisite: Diagnostic Testing**

This course is designed for students with a WIDA Screener or WIDA ACCESS score between 3.0 and 3.9.

ELD 2 focuses on helping students meet grade level expectations for content courses. This is done by further developing literacy skills with a focus on developing academic language and skills including vocabulary, syntax, basic writing skills and reading comprehension. Language is presented and practiced in context through the four language domains: listening, reading, speaking and writing, according to the PA Standards for English Language Development and WIDA Standards.

## **0735 - English Language Development 3**

**Grade - 9, 10, 11, 12**

**1 Credit**

### **Prerequisite: Diagnostic Testing**

This course is designed for students with a WIDA Screener or WIDA ACCESS score of 4.0 and above.

ELD 3 students are nearing proficiency in the four domains of English language development: reading, writing, listening, and speaking. Students focus on mastering academic language as well as honing academic skills that are needed to be successful as they transition into mainstream English classes. Students read and write across a variety of genres, apply their knowledge of language to derive meaning from text, and express themselves appropriately for different audiences and purposes. Students continue to develop appropriate academic language and learning strategies for success in all content areas.



## **2026-2027 GUIDE to CMTHS CAREER & TECHNICAL PROGRAMS**

Central Montco Technical High School (CMTHS) provides a variety of educational programs that prepare students to enter the workforce or to continue their education at colleges, universities, and technical schools. In addition to occupation specific training, CMTHS promotes the development of civic responsibility, employability skills, leadership, and professionalism. All programs are competency based and designed to meet the needs, skills, interests, abilities, and preferences of the individual student.

### ***“Shaping Today’s Students for Tomorrow’s Careers”***

CMTHS is dedicated to supporting the local business and industry sector by offering programs that align with local, state, and national workforce needs. Our caring and professionally certified staff, all of whom have prior industry experience, mentor students by sharing their skills and providing individualized support. Instructors play a crucial role in preparing students for the future while fostering enthusiasm. Students can acquire various state and nationally recognized certifications and professional licenses. For detailed information on each program, please refer to the CMTHS Online Course Selection Guide at [www.cmths.org](http://www.cmths.org). A CIP Code stands for Classification of Instructional Program.

### **Central Montco Technical High School Admissions Process**

Central Montco Technical High School (CMTHS) does not discriminate in accepting students based on sex, color, national origin, race, sexual orientation, disability, age, religion, ancestry, political opinions or affiliations, or lawful activity in any employee organization.

Interested students are responsible for applying to CMTHS through the EnrollTrack portal by registering for an account and providing basic demographic information. (<https://centralmontco.enrolltrack.com>) All applications will be reviewed by the sending school prior to final submission to CMTHS. The sending school must provide the educational plans or agreements for students requiring accommodations while attending CMTHS. Returning students in good standing are not required to submit a new application each year. Returning students wanting to change programs should submit a new application.

Enrollment at CMTHS is limited. Therefore, each applicant is evaluated based on the information provided in the application. Only completed applications will be reviewed, and admission will be granted until all openings in that program are filled. The remaining applicants are then placed on a waiting list for potential placement as openings occur in those programs. The team will review all completed applications with the intent to schedule students into their 1st choice program when possible. If the student's 1st program of choice is not available, the CMTHS Admissions Team will attempt to schedule the student into their 2nd choice program. If neither are available, students will be on the waitlist for an available seat. To review the CMTHS Admissions Procedures visit [www.CMTHS.org](http://www.CMTHS.org).

**CMTHS CAREER & TECHNICAL PROGRAMS**  
**(10<sup>th</sup>, 11<sup>th</sup>, & 12<sup>th</sup>, unless stated)**

**Architecture & Construction**

CIP: 46.0401 Building Trades

CIP: 01.0601 Landscaping, Design, & Construction

**Arts, A/V Technology & Communications**

CIP: 10.9999 Video, Sound, & Music

CIP: 50.0402 Visual Communications

**Education & Training**

CIP: 19.0708 Early Childhood Education

Secondary Education Academy (formerly Teacher Academy, 11<sup>th</sup> & 12<sup>th</sup>)

**Health Sciences**

Allied Health Technology (12<sup>th</sup> only)

CIP: 51.2604 Sports Medicine & Rehabilitation Therapy

CIP: 51.0899 Healthcare Sciences

**Hospitality & Tourism**

CIP: 12.0501 Baking & Pastry Arts

CIP: 12.0508 Culinary Arts

**Human Services**

CIP: 12.0402 Barbering

CIP: 12.0401 Cosmetology

**Information Technology**

CIP: 11.0901 Networking Technology

**Law, Public Safety, Corrections & Security**

CIP: 43.0107 Public Safety

**Transportation**

CIP: 47.0604 Auto Technology

CIP: 47.0603 Collision Repair Technology

Click on the link below to see the full CMTHS Course Catalog:

[2026-2027 CMTHS Course Catalog](#)