

Achievement House

CYBER CHARTER SCHOOL

PROGRAM OF STUDIES

2020-2021



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Middle States
Accreditation



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The Achievement House Cyber Charter School 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 AHCCS, grades 7-12, and includes descriptions of all of our middle school and high school course offerings.

Our mission is for AHCCS students to experience an improved individual outcome, measured by academic achievement, in a personalized and rich learning environment that prepares them for success in a technology-driven world.

Together as teachers, staff members, and administrators, we strive to consistently improve our instructional practices in order to support student success. We encourage students and parents/guardians to become familiar with the contents of the Program of Studies to provide you with information that supports the successful education provided at AHCCS.

Achievement House offers a robust, balanced curriculum that is designed to meet each student's academic needs. Our certified teachers are directly involved in creating the dynamic, customized curriculum that students access through live, virtual classes and asynchronous online assignments. Teachers are also available to work with students individually. Our helpful staff members are dedicated to providing a positive, engaging educational experience.

In addition to academics, students are encouraged to participate in a variety of clubs, extracurricular activities, and field trips. The combination of our dynamic curriculum and caring teachers is strengthened by close collaboration with parents/guardians to create an environment for student success.

At Achievement House Cyber Charter School, our vision is:

Every student is a V.I.P.

- **Valued as an individual**
- **Inspired to innovate**
- **Prepared for the future**

Advanced Placement (AP) Courses

Advanced Placement (AP) refers to college-level courses taught according to syllabi prescribed by the College Board Advanced Placement Program and/or to courses designed to prepare students for College Board AP Tests. Success in AP courses can be an important factor in admission to colleges and universities. Successful performance on AP tests (a score of 3, 4, or 5 on a five-point scale) may lead to college credit and/or advanced placement in college courses.

Career Courses

Career courses provide content learning that prepares students for college and/or careers by providing literacy and learning strategies that support students in mastering content. The courses provide a more structured learning environment, increased time spent in review, and reinforcement of major concepts to prepare for assessments and any outside assignments.

College Preparatory (CP) Courses

College Preparatory courses provide rigorous, in-depth study through interpretation, application, analysis and synthesis of course concepts, content and standards. Both live instruction and outside assignments focus on teacher supported, guided practice followed by independent demonstration of learning.

Core Courses and Credits

Core courses are offered in the following subject areas: Mathematics, English, Social Studies, and Science. Credits are earned upon successful completion (passing grade) of a course.

Elective Courses

Supplemental students' schedules can be used to earn credits necessary for graduation. These courses will enhance students' educational experiences and allow them to explore possible career interests and college goals.

Grade Point Average (GPA)

A student's GPA is a calculated average of any final grades they have earned. GPA is adjusted any time a student completes a course.

Honors Courses

Honors courses allow students to explore topics in greater depth than non-honors courses. Honors students will complete projects that enrich their understanding of topics and the links between them.

Project Lead the Way (PLTW)

Project Lead The Way courses engage students in activities that not only build knowledge and skills in areas including computer science, engineering, and biomedical science, but also empower students to develop essential skills such as problem solving, critical and creative thinking, communication, collaboration, and perseverance.

Prerequisite

A prerequisite is a course that students must complete in order to qualify for entry into another course. Before students can take Algebra 2, for example, they must have completed Algebra 1. Therefore, Algebra 1 is a prerequisite for Algebra 2.

Middle School Program of Studies

Course Selection

At Achievement House, the important process of course selection begins each spring for the following school year. Students are informed of course offerings through videos, e-mails, and announcements. With the help of their parents/guardians, students fill out an online scheduling request. Students have the option to meet with their school counselor to ask questions throughout the scheduling process. Schedules are finalized over the summer by the students' counselors, who take into account graduation requirements, teacher input, survey responses, post-high school plans, past grades, and assessment scores. Our staff works hard to create the best academic schedule for our students. The content of each course is aligned to PA academic standards.

Grading Scale

Grade	Percent
A	95-100%
A -	90-94%
B +	86-89%
B	83-85%
B -	80-82%
C +	76-79%
C	73-75%
C -	70-72%
D+	67-69%
D	60-66%
F	0-59%

Note: To calculate your final grade, add your quarterly percent totals and divide by 4.

Transfer Students

Final decisions on grade level placement for students transferring into AHCCS during the school year will be based on the previous grade level and the student's ability to meet the necessary requirements for promotion at the end of the current school year.

Innovation Academy

Innovation Academy is a collection of pathways that provide valuable skills in a STEAM related career. Pathways include:

- Advanced Engineering
- Architecture & Construction
- Audio Visual Communication Arts
- Biomedical
- Computer Science
- Digital Graphic Arts
- Drone Innovators
- Engineering
- Entrepreneurship
- Fine Arts
- Information Technology
- Programming
- Robotics

At the High School level, there is opportunity to take multiple courses in a specific pathway or to sample different courses in different pathways to explore different STEAM interests. For Middle School students, the following courses are available. Students may also explore other Innovation Academy courses with recommendation from the guidance counselor. All students are encouraged to try different courses in the Innovation Academy to help guide them towards a future career interest.

Computer Science for Innovators and Makers (PLTW)— In this certified Project Lead the Way course, learn about programming with the MicroBit by blending hardware design and software development. Discover computer science concepts and develop skills while creating personally relevant, tangible, and shareable projects. Solve real-world problems by designing your own prototypes. By the end of this course, you'll feel there's nothing you can't do! *Must commit to regular live class attendance and receive guidance counselor approval. Enrollment subject to seat availability.*

Associated Pathway: Computer Science

Design and Modeling (PLTW) — In this certified Project Lead the Way course, create and build projects. Discover the design process and develop an understanding of the influence of creativity and innovation in our lives. Apply new techniques to solve challenging real-world problems by designing prototypes. *Must commit to regular live class attendance and receive guidance counselor approval. Enrollment subject to seat availability.*

Associated Pathways: Engineering, Architecture & Construction

Innovation Academy (continued)

Schoolyard Ventures Entrepreneurship Boot Camp — Schoolyard Ventures is an innovative program that helps teens launch businesses, non-profits, and other real-world projects that are meaningful to them. The Entrepreneurship Boot Camp gives students an introduction to the program and helps them develop ideas for starting their own business.

Associated Pathway: Entrepreneurship

Schoolyard Ventures Entrepreneurship — Schoolyard Ventures provides students with curriculum, workshops, mentorship, and micro-capital to help them launch their own businesses. Students are encouraged to experiment with various business ideas and progress in the program at their own pace. Instructors and mentors help with the process as students work to bring their product to market. *Prerequisite – Schoolyard Ventures*

Entrepreneurship Boot Camp Associated Pathway: Entrepreneurship

Search and Rescue (SAR) by Drone, Part 1 — Mission Possible — Career opportunities in drone technology are expanding. Become immersed in virtual search and rescue missions performed by drones. Learn how drone SAR teams operate to get the job done. Search and rescue is just one of many ways drones will change how the world operates. Soon inspections, construction, law enforcement, agriculture, and more will all be assisted by drones. Learn about drones, autonomous flight, and the foundations of the FAA Part 107 Remote Pilot Exam. The instructor travels to a variety of locations around the state to provide an opportunity to fly a DJI drone. *Associated Pathway: Drone Innovators*

Search and Rescue (SAR) by Drone, Part 2 — Safety Net — In part 2, the SAR missions become trickier. How are missions completed with drone flight safety regulations, FAA flight standards, flight principles, and drone design in mind? This course emphasizes drone flight safety and the law. FAA Part 107 Remote Pilot Exam safety and legal questions are discussed. The instructor travels to a variety of locations around the state to provide an opportunity to fly a DJI drone. *Prerequisite - Search and Rescue (SAR) by Drone, Part 1*

Associated Pathway: Drone Innovators

Technology Basics — Master the basic skills needed in today's digital learning environment. Learn uploading and downloading of documents, basics of Internet safety, copyright respect, acceptable use policy, keyboarding, and basic word processing skills.

Associated Pathway: Computer Science

Academic Departments of Achievement House Cyber Charter School

The following sections contain each content area and the courses offered through that department. Each subsection begins with an introduction to the content area and then a description of the courses offered.

English and Language Arts Department

Department Requirements:

Students must complete a core English course. Students are placed into appropriate courses by their guidance counselor.

English and Language Arts Department (continued)

Advanced Language Arts 7 — This course is a preparation for honors and AP courses at the high school level. Analyze, evaluate, and synthesize author's purpose, points of view, and language development. Learn how to effectively write using persuasive, argumentative, expository, and descriptive writing styles. At the conclusion of the course, display a mastery of reading, writing, listening, and speaking skills.

Language Arts 7 — Explore and respond to literature, including fiction and nonfiction books, poetry, graphic novels, plays, informational texts, and short stories. Use the 6 Traits Writing Program to improve literary skills and engage in a creative writing unit that will also address mechanics, conventions, and parts of speech.

Advanced Language Arts 8 — This course is a preparation for honors and AP courses at the high school level. Analyze, evaluate, and synthesize author's purpose, points of view, and language development. Learn how to effectively write using persuasive, argumentative, expository, and descriptive writing styles. At the conclusion of this course, display a mastery of reading, writing, listening, and speaking skills.

Language Arts 8 — Explore and analyze literature, including fiction and nonfiction books, poetry, graphic novels, plays, informational texts, and short stories. Master the 6 Traits Writing Program through a variety of engaging writing prompts.

English Language Development Program

Achievement House provides a rigorous, standards-based educational program for English Learners (ELs) of all levels. Our English Learners build and develop their linguistic proficiency in a program that is both intensive and flexible. Identified English Learners attend an ESL (English as a Second Language) course taught by a certified ESL teacher and designed to promote the continual development of English language reading, speaking, writing, and listening skills. Additionally, the ESL department collaborates closely with classroom teachers to ensure that academic curriculum is accessible so that students can successfully meet standards and make gains in English language proficiency. Bilingual mentors and access to one-on-one help sessions further support students, ensuring positive outcomes for our English Learners.

Upon enrollment, non-native English-speaking students are evaluated for placement into the ESL program. Achievement House adheres to the WIDA English Language Proficiency Standards and employs the WIDA Screener to accurately determine a student's English language proficiency. If it is determined that a student would benefit from English language development support, an individualized program is implemented to best help develop English language proficiency while achieving grade-level content standards.

English Language Development Program (continued)

Four different sections of ESL support the needs of students. Newcomer EL (NEL) serves the needs of brand-new English learners acquiring basic English skills, Beginning EL (BEL) serves the needs of students in levels 1-2 (Entering and Beginning), Intermediate EL (IEL) serves the needs of students in levels 3-4 (Developing and Expanding), and Advanced EL (AEL) serves the needs of students in level 5 (Bridging).

Achievement House English Learners can truly achieve the proficiency and literacy to effectively communicate in English, excel in their academic courses, and realize their higher education and professional goals after graduation.

Newcomer EL: 1 credit — The Newcomer EL course is specially designed for recent immigrants who have very little or no English proficiency. Students in this program develop linguistic survival skills and support as they begin to adapt to their new surroundings. Placement in this course is based on scores on the WIDA Screener and teacher input.

Beginning EL: 1 credit — The Beginning EL course introduces identified English Learners to basic vocabulary and linguistic structures that they can put to practice in their content area courses. Students strengthen listening, reading, speaking, and writing proficiency in English. They learn specific language and phrases for real-world situations, as well as for their academic areas of math, science, social studies and language arts. The teacher provides support for students and teaches them tools and strategies to employ as they master the basics of the English language such as identifying the main idea, sequencing events, and sorting fact from opinion. Placement in this course is based on scores on the WIDA ACCESS or WIDA Screener and teacher input.

Intermediate EL: 1 credit — The Intermediate EL course gives students opportunities to practice and continue to develop their English reading, writing, listening, and speaking skills. Students learn new grammatical structures and apply them in the academic areas of math, science, social studies, language arts, and everyday school situations. Among other skills, students learn how to successfully identify point of view, ask for clarification, describe and expand on topics in writing, solve problems, and express their opinions. Placement in this course is based on scores on the WIDA ACCESS or WIDA Screener and teacher input.

Advanced EL: 1 credit — The Advanced EL course encourages students to continue to refine their English language proficiency. Students learn highly specialized and technical content-area language that they can apply directly to their content-area courses. They practice using a variety of sentence lengths of varying linguistic complexity in extended oral or written discourse such as stories, essays and reports. Other skills students continue to hone and develop include providing text evidence to support a position, identifying cause and effect, examining bias in writing, and supporting their opinions with examples. Placement in this course is based on scores on the WIDA ACCESS or WIDA Screener and teacher input.

Mathematics Department

Department Requirements:

Students must complete a core Mathematics course each year. Students are placed into appropriate courses by their guidance counselor.

Advanced Math 7 — This course is a preparation for honors and AP courses at the high school level. Master skills needed to take a future algebra course. Use algebraic expressions, real numbers, proportions, percents, equations, geometry, measurement, data analysis, and probability to solve real world problems.

Math 7 — Learn to solve problems involving algebraic expressions, real numbers, proportions, percents, equations, geometry, measurement, data analysis, and probability to solve real world problems. Master the skills to apply them to real word situations.

Advanced Math 8 — This course is a preparation for Algebra, honors, and AP courses at the high school level. Learn to solve problems involving linear equations (including systems) and inequalities, applications of radicals and exponents, geometric transformations, data analysis, and real world geometry.

Math 8 — Learn to solve problems involving linear equations (including systems) and inequalities, applications of radicals and exponents, geometric transformations, data analysis, and real world geometry.

Honors Algebra 1 — X Marks the Spot: 1 credit — Explore linear equations and inequalities in one variable, ratio and proportion, operations with radicals and radical functions and exponents and exponential functions. The course concludes with the study of linear and quadratic functions, linear models and graphs of linear equations and inequalities.

This is a Pennsylvania Algebra 1 Keystone exam aligned course. Students enrolled in this course are required to take the physically proctored Pennsylvania Algebra 1 Keystone exam at the conclusion of the course. Requires a score of Advanced on PSSAs and guidance counselor recommendation.

Science Department

Department Requirements:

Students must complete a core Science course each year. Students are placed in appropriate courses by their guidance counselor.

Advanced Science 7 — This course is designed as a preparation for honors and AP courses at the high school level. Analyze, evaluate, and synthesize informational text, as well as various theories of science. Understand fundamental science principles in the fields of biological, physical, and earth and space sciences. Topics covered will include structure and function of organisms, ecology, matter and energy, motion and force, earth features, weather and climate, and astronomy.

Science Department (continued)

Science 7 — Explore fundamental science principles in the fields of biological, physical, and earth and space sciences. Topics covered will include structure and function of organisms, ecology, matter and energy, motion and force, earth features, weather and climate, and astronomy.

Advanced Science 8 — This course is a preparation for honors and AP courses at the high school level. Analyze, evaluate, and synthesize informational text, as well as various theories of science. Master concepts in the fields of biological, physical, and earth and space sciences, with special focus on the nature of science. Topics include structure and function of organisms, ecological behavior and systems, properties of matter, energy transfer, principles of motion and force, atmospheric processes, and composition and structure of the universe.

Science 8 — Master concepts in the fields of biological, physical, and earth and space sciences, with special focus on the nature of science. Topics include structure and function of organisms, ecological behavior and systems, properties of matter, energy transfer, principles of motion and force, atmospheric processes, and composition and structure of the universe.

Social Studies Department

Department Requirements:

Students must complete a core Social Studies course each year. Students are placed in appropriate courses by their guidance counselor.

Advanced American History 8 — This course is a preparation for honors and AP courses at the high school level. Interpret, evaluate, and analyze the role groups and individuals played in the social, political, cultural, and economic development of the United States. Study critical historical documents and artifacts. Analyze how continuity and change have impacted the development of the United States. Interpret, evaluate, and analyze how conflict and cooperation among groups and organizations impacted the growth and development of the United States.

Advanced Geography and Cultures 7 — This course is a preparation for honors and AP courses at the high school level. Understand and evaluate the impact of physical and human characteristics upon places and regions, as well as the interactions between people and the environment.

American History 8 — Learn the story of the first half of American history with a special focus on Pennsylvania history. Beginning with the very first people to reach North America and ending around 1900, explore a diverse array of historical topics including Native American settlement, colonization, the American Revolution, the founding of the United States, and the Civil War.

Social Studies Department (continued)

Geography and Cultures 7 — Acquire an overview of multiple themes in world history. Gain a broad understanding of a variety of topics including geography, early civilizations, ancient religions, and Egyptian and Roman history among other topics.

Special Subjects/Electives Department

Career Readiness Middle School — Discover the building blocks necessary to select and prepare for a career. Complete a career plan by the end of 8th grade. Using the career exploration system, Naviance, explore interests and abilities, identify career options, work to develop a high school and college/career plan, and create a career portfolio. Various topics are introduced, including effective speaking and listening skills, cover letters and resumes, and social networking. The Career Readiness curriculum aligns with the Pennsylvania Department of Education Career Education Standards which include:

- Career Awareness and Preparation
- Career Acquisition (Getting a Job)
- Career Retention and Advancement
- Entrepreneurship

Electives 7 — This course is a combination of various elective subjects that will help 7th graders explore opportunities available in 8th grade and high school.

Electives 8 — This course is a combination of various elective subjects that will expose 8th graders to opportunities available in high school and beyond.

Health/Physical Education 7 — Complete health and physical education assignments focusing on topics including nutrition, dealing with stress and conflict, the dangers of addiction and disease, and safety. Learn about healthy physical activity and strategies to track it.

HealthPhysical Education 8 — Complete health and physical education assignments focusing on topics including drugs and alcohol, self-esteem and body image, mental and emotional health, and other important and relevant health topics. Learn about healthy physical activity and strategies to track it.

Independent Language — AHCCS joins more than 20,000 schools and districts around the world that have integrated Rosetta Stone Solutions into their curriculum to support the growing need for language skills. The Dynamic Immersion® method used within this program allows students to engage with a language through images, repetition, and scaffolding without needing translation. Rosetta Stone also offers ease of learning through a mobile application for students on the go. In this self-paced online course, a school facilitator oversees student progress as well as grades assignments and helps keep students on track to complete their language level in a timely manner. Each language typically has 3-5 levels of study available. Completion of a level is equal to one academic credit. The following languages are offered through Rosetta Stone Solutions. Students should contact their school counselor if they are interested in taking a language that is not listed.

Special Subjects/Electives Department (continued)

- Arabic
- Mandarin Chinese
- French
- German
- Greek
- Hebrew
- Italian
- Japanese
- Korean
- Latin
- Spanish

Requires at least a B in all courses and guidance counselor approval.

Middle School Program of Studies

Updated on 5/28/2020.

To ensure you're reviewing the latest version, please visit www.achievementcharter.com.

Click on Academics and choose Middle School!

Expand each course section for up-to-date offerings and descriptions.

The screenshot shows the Achievement House website. The header includes the logo, navigation links (WHO WE ARE, LEARNING PATH, INNOVATION ACADEMY, ACADEMICS, LEARN MORE, HOW TO ENROLL), a search icon, and a School Login link. A large blue banner with the text 'MIDDLE SCHOOL' is prominent. A yellow sidebar on the right lists navigation options under 'ACADEMICS': Overview, Middle School, High School, Testing and Assessments, Summer School and Extended School Year, English Language Development (ELD), and Special Education. A black arrow points to the 'Middle School' link. Below the banner, a breadcrumb trail reads 'Home > Academics > Middle School'. A left sidebar lists the same navigation options as the right sidebar, with 'Middle School' highlighted. A black arrow points to the 'Courses' section, which lists the following subjects with expandable icons: ENGLISH, MATHEMATICS, SCIENCE, SOCIAL STUDIES, SPECIAL SUBJECTS/ELECTIVES, and STEM PROJECT LEAD THE WAY. A paragraph of text describes the Middle School program, mentioning a dynamic curriculum, online classes, and collaboration with parents, with a link to download a printable Program of Studies.

Overview

Middle School

High School

Testing and Assessments

Summer School and Extended School Year

English Language Development (ELD)

Special Education

Courses

- + ENGLISH
- + MATHEMATICS
- + SCIENCE
- + SOCIAL STUDIES
- + SPECIAL SUBJECTS/ELECTIVES
- + STEM PROJECT LEAD THE WAY

For Middle School students, the combination of our dynamic curriculum, online classes, and caring teachers is strengthened by close collaboration with parents to create an environment for student success. Click [here](#) to download a printable Program of Studies.

High School Program of Studies

Course Selection

At Achievement House, the important process of course selection begins each spring for the following school year. Students are informed of course offerings through videos, e-mails, and announcements. With the help of their parents/guardians, students fill out an online scheduling request. Students have the option to meet with their school counselor to ask questions throughout the scheduling process. Schedules are finalized over the summer by the students' counselor, who takes into account graduation requirements, teacher input, survey responses, post-high school plans, past grades, and assessment scores. Our staff works hard to create the best academic schedule for our students. The content of each course is aligned to PA academic standards.

Grading Scale

Grade	Percent	General Course GPA	Honors Course GPA	AP Course GPA
A	95-100%	4.0	4.4	5.0
A -	90-94%	3.7	4.1	4.6
B +	86-89%	3.3	3.6	4.1
B	83-85%	3.0	3.3	3.8
B -	80-82%	2.7	3.0	3.4
C +	76-79%	2.3	2.5	2.9
C	73-75%	2.0	2.2	2.5
C -	70-72%	1.7	1.9	2.1
D+	67-69%	1.3	1.4	1.6
D	60-66%	1.0	1.1	1.3
F	0-59%	0.0	0.0	0.0

Note: To calculate your final grade, add your quarterly percent totals and divide by 4.

Graduation Requirements

Students must successfully complete 21.0 cumulative credits in grades 9-12 as follows:

- 4.0 credits in English to include 1 course in Literature and an English course to be taken each school year
- 3.0 credits in Mathematics to include 1 course in Algebra
- 3.0 credits in Science to include 1 course in Biology
- 3.0 credits in Social Studies to include 1 course in Civics (or Government)
- 1.0 credit in Health and Physical Education, to include Health (Wellness), and a PE course to be taken each school year.
- 2.0 credits in Arts and Humanities
- 5.0 credits in electives to include 0.25 credits in Graduation Project. Any course that has not been counted to fulfill other graduation requirements as indicated in this booklet shall also satisfy this requirement. Two credits in the Innovation Academy are highly encouraged, but not required.
- 21.0 total credits

Leveling

At Achievement House, we offer students an academic program that is both challenging and innovative, but one that also allows them to progress and learn no matter what their academic background.

Students at our school are offered choices when it comes to the level of rigor they would like to experience in their core courses. Students have several choices: AP courses if recommended, Honors level courses if recommended, College Prep level courses for those planning to apply to a college program, or Career level courses for those students looking to head immediately into the workforce upon graduation.

NCAA Approved Courses

- Algebra 1 (H, CP)
- Algebra 2 (H, CP)
- American Literature (H, CP)
- AP Biology
- AP Calculus AB
- AP Calculus BC
- AP Chemistry
- AP Environmental Science
- AP English Language and Composition
- AP English Literature and Composition
- AP Statistics
- AP U.S. Government and Politics
- Biology (H, CP)
- Calculus (H, CP)
- Chemistry (H, CP)
- Civics (H, CP)
- Geometry (H, CP)
- Global Literature (H, CP)
- Literature and Composition 1 (H, CP)
- Literature and Composition 2 (H, CP)
- Modern World History (H, CP)
- Physics (H, CP)
- Pre-Calculus (H, CP)
- U.S. History (H, CP)

National Honor Society

The National Honor Society (NHS) is one of the nation's premier organizations established to recognize outstanding high school students. Students must meet the following requirements/submit the following to be eligible for NHS:

- Minimum of 3.0 cumulative GPA at time of application. Students are expected to maintain this GPA while they are members.
- Demonstration of excellence in leadership, service, scholarship, and character which will be determined by a faculty council of five members. Students should participate in leadership and service opportunities in the classroom or in their community.
- Submission of a one-page essay about themselves.
- Two teacher recommendations
- The NHS Application

Transfer students who were NHS members in their previous school may send a picture of their pin and membership card to the AHCCS advisor to become part of our chapter.

Promotion Requirements

Promotion from one grade to the next is based upon credits earned. Credits earned through summer programs may be acceptable if approved in advance by a school counselor. Parents will be informed following the fourth quarter report card whether a student has been promoted or retained. The promotion of a high school student is determined by cumulative credits earned. To be promoted, students must meet the minimum credit requirements, as confirmed by their counselor. Those requirements are as follows:

- Grade 9 to 10: Students must have earned at least 4.0 cumulative credits, to include 2.0 core course credits.
- Grade 10 to 11: Students must have earned at least 10.0 cumulative credits.
- Grade 11 to 12: Students must have earned at least 15.0 cumulative credits.

At all times, students in grades 9-11 must maintain a course schedule with sufficient credits to be eligible for promotion to the next grade. Students in grade 12 must maintain a course schedule with sufficient credits to qualify for June graduation (unless otherwise indicated in a student's Individualized Education Program). Students may not choose to repeat core academic courses that have been previously completed with a passing grade if doing so creates an inability to earn sufficient credits to achieve annual promotion or graduation.

Schedule Changes

Students may add, drop, or change courses during the first three weeks of joining the course. After that point, regardless of whether or not a course is required for graduation, students cannot drop a course (unless approved by the principal).

Summer School

Summer school is offered to AHCCS high school students in all four core subject areas: English, math, science, and social studies. There is a fee for summer school courses. Students are eligible to receive up to two summer school credits per summer.

Transfer Students

Grade Placement: Final decisions on grade level placement for students transferring into AHCCS during the school year will be based on the previous grade level and the student's ability to meet the necessary requirements for promotion or graduation at the end of the current school year.

Required Courses: Credit acceptance for students transferring into AHCCS will be granted for applicable courses. Completed courses required for graduation will be accepted for students transferring to AHCCS.

Work Study Program

This program is designed to allow students to earn elective credit for participating in a weekly paid position or a non-paid internship.

Work-Study: 0.5 credits per quarter, 2 elective credits total – This course will provide students a framework with which to develop their work and career readiness skills. Students who have found paid employment, and who can work a minimum of 60 hours per nine week quarterly period, will have the opportunity to earn .5 credits per quarter. Students will be responsible for weekly check-ins with their teacher, (to include adequate progress on their quarterly grade sheet), criteria based on a quarterly assessment (rubric will be provided), and a final presentation of their experience. Students must maintain a passing GPA in their core courses and appropriate school attendance, quarterly, to be eligible to remain in the program for the next quarterly period. *Students must be in at least the 10th grade or 16 years of age.*

Students with an Individualized Educational Program should contact their Learning Support teacher for alternative eligibility, prerequisite, and requirements.

Innovation Academy

Innovation Academy is a collection of pathways that provide valuable skills in a STEAM related career. Pathways include:

- Advanced Engineering
- Architecture & Construction
- Audio Visual Communication Arts
- Biomedical
- Computer Science
- Digital Graphic Arts
- Drone Innovators
- Engineering
- Entrepreneurship
- Fine Arts
- Information Technology
- Programming
- Robotics

Innovation Academy (continued)

There is opportunity to take multiple courses in a specific pathway or to sample different courses in different pathways to explore different STEAM interests. All students are encouraged to try different courses in the Innovation Academy to help guide them towards a future career interest. Below is a list of courses that are offered in the Innovation Academy. Under each course description is the IA pathway associated with each course. Courses may be associated with multiple pathways.

3D Printing 1 — Let's Build It!: 0.5 credits — Take design to the next level and make creations come to life. Explore 3D design and learn to create in the third dimension using the 3D CAD program SketchUp. This is a hands-on class. Materials needed for projects are mailed to students. Student designed projects are printed on the AHCCS 3D printer and shipped directly to students. Come explore the possibilities. *Associated Pathways: Engineering, Architecture & Construction, Robotics*

Anatomy — Look Inside Yourself!: 0.5 credits — Investigate the study of anatomical structures, physiological systems, and body functions. Using craft items and recycled materials, engage in hands-on STEAM-based projects. Review human structural and functional organization at both the microscopic and macroscopic levels. Units include discussions of the basic body systems, including the musculoskeletal, circulatory, nervous, and integumentary systems. The course also includes the study of recent advances in medical technology such as 3D printed bones and organs. *Associated Pathway: Biomedical*

AP Computer Science A: 1 credit — This course is equivalent to a first-semester, college level computing course. It introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes object-oriented and imperative problem solving and design using Java language. *Associated Pathway: Computer Science*

AP Computer Science Principles: 1 credit — This course is equivalent to a first-semester, college level computing course. Students will cultivate their understanding of computer science. They will be working with data and information, collaborating to solve problems, and developing computer programs as they explore concepts like creativity, abstraction, data and information, algorithms, programming, the Internet, and the global impact of computing. *Associated Pathway: Computer Science*

Art 1 — Foundations: 0.5 credits — Learn how to draw using elements and principles of design. Discover art history and a variety of approaches to drawing. Discover form and value using gesture and contour drawing, value studies of 3D forms, and still life paintings. Explore composition and figure and portrait development. *Associated Pathways: Fine Arts, Digital Graphic Arts*

Innovation Academy (continued)

Art 2 — Express Yourself: 0.5 credits — Create a variety of art projects using the elements and principles of design. Projects are based on various periods from art history including Surrealism, pop art, and cultural art studies. Projects aim to help develop individual self-expression and style. *Prerequisite — Art 1*
Associated Pathways: Fine Arts, Digital Graphic Arts

Art Anatomy: 0.5 credits — Explore several body systems and use this knowledge as the starting point for STEAM focused projects that use creativity and creative thinking skills. Complete activities that are hands-on and based on the human body. Collect and analyze experimental data to present as graphics. Create various art projects in relationship to the content and learn anatomical structures through coloring book activities. *Associated Pathway: Biomedical, Fine Arts*

Civil Engineering and Architecture: 1 credit — Learn about construction and architectural design with both residential and commercial projects. Create designs using the 3D architectural design software Autodesk Revit and have the opportunity to earn professional certification for the 3D design software. *Prerequisite — Green Architecture or Introduction to Engineering Design*
Associated Pathways: Advanced Engineering, Architecture & Construction

Computer Science for Innovators and Makers (PLTW)— In this certified Project Lead the Way course, learn about programming with the MicroBit by blending hardware design and software development. Discover computer science concepts and develop skills while creating personally relevant, tangible, and shareable projects. Solve real-world problems by designing your own prototypes. By the end of this course, you'll feel there's nothing you can't do! *Must commit to regular live class attendance and receive guidance counselor approval. Enrollment subject to seat availability.*
Associated Pathway : Computer Science

Design and Modeling (PLTW): 0.5 credits — In this certified Project Lead the Way course, create and build projects. Discover the design process and develop an understanding of the influence of creativity and innovation in our lives. Apply new techniques to solve challenging real-world problems by designing prototypes. *Must commit to regular live class attendance and receive guidance counselor approval. Enrollment subject to availability. Associated Pathways: Engineering, Architecture & Construction*

Digital Authorship: 0.5 credits — Learn techniques to format text and/or video to enhance their intended meaning. Complete a full cycle of the writing process, resulting in a published work in the form of a personal blog, podcast, or YouTube video after choosing from a list of teacher-approved projects such as a top 10 list, book, movie, game or TV show review, current event, opinion or editorial, memoir, or creative storytelling.
Associated Pathway: AV Communication Arts

Innovation Academy (continued)

Digital Photography — Picture Perfect: 0.5 credits — Begin to master the concepts, design principles, skill sets and techniques of photography. Learn about the capabilities and functions of the camera, dissect art elements and principles, and explore each one closely to understand photographic composition. Learn how to edit and manipulate photographic images. *Associated Pathways: Fine Arts, Digital Graphic Arts*

First Aid and CPR/AED — How to Save a Life: 0.25 credits — This course is designed to give students an overview of the skills required in first aid and CPR/AED. It will not provide certification in these areas, but it will help prepare for the certification exams through American Red Cross. *Associated Pathway: Biomedical*

Graphic Design — Logos, Letterheads, and Lots More! 0.5 credits — Explore the basics of combining text with images to create artwork for advertisements or book and album covers. Review advertising techniques and the power of visual communication. *Associated Pathways: Fine Arts, Digital Graphic Arts, AV Communication Arts*

Green Architecture: 0.5 credits — In this hands-on, project-based class, dive into construction and architectural design in a way that keeps human carbon footprints small by using environmentally sustainable practices. Explore dimensioning, measuring, and design by building scale model homes and using a 3D architectural design software. *Associated Pathway: Architecture & Construction*

Intro to Computer Science/IC3 Exam Prep: 1 credit — Gain an overview of computing fundamentals, applications, and communications & networks, and prepare to take the IC3 certification exam. IC3 Global Standard exam objectives are aligned with today's most current technologies and relevant digital literacy requirements, including social media, collaboration, and cloud computing concepts. The GS4 certification comprises three individual exams and is designed to validate competency in three key areas: computing fundamentals, living online, and key applications. *Associated Pathway: Computer Science*

Intro to Drawing: 0.25 credits — Drawing is a fundamental form of art that is used in all mediums. This course is an introduction to the basic foundation of both design and realistic drawing. Learn the elements of drawing: line, tone, color, texture, composition and space, while exploring drawing materials such as charcoal, graphite, Conté, pastels, and ink. Develop creativity through the presentation of basic techniques. Work from observation to address topics such as proportion, perspective, color theory, light and shade. Receive exposure to critique skills and build a final portfolio. *Prerequisite — Art 1 Associated Pathway: Fine Arts*

Introduction to Engineering and Design (PLTW): 1 credit — Not just for future engineers, this is a certified Project Lead the Way course. Solve real-world problems by designing prototypes as well as strengthen creative and innovative problem-solving skills that will open minds to a world of possibilities. Design in 3D using Autodesk Inventor software and have the opportunity to earn professional certification in Autodesk Inventor. *Must commit to regular live class attendance and receive guidance counselor approval. Enrollment subject to availability. Prerequisites — Design & Modeling and 3D Printing or Guidance Counselor Approval. Associated Pathways: Advanced Engineering, Engineering*

Innovation Academy (continued)

Intro to JavaScript: 0.5 credits — Alongside HTML and CSS, JavaScript is one of the core technologies of the World Wide Web. It enables interactive web pages and is an essential part of web applications. Click a button and get a response: it is probably JavaScript that made that happen. Join the class to learn the fundamentals of this programming language including the use of timers and animation. *Associated Pathway: Programming*

Intro to Python — Automate Everything: 0.25 credits — The first step to coding a robot's moves, creating a virtual reality video game, or even programming NASA's space shuttles is learning Python. This is a coding language that is used in many of the newest technologies of today. This entry level course will open a world of opportunities and give the programming foundation needed to take the Raspberry Pi robotics courses. Ready for the challenge? *Associated Pathways: Engineering, Robotics*

Intro to Watercolors: 0.25 credits — Explore the artistic expression of watercolors. Starting with the basics and working through experimentation pieces, build a personal style with a watercolor portfolio. *Prerequisite — Art 1 Associated Pathway: Fine Arts*

Microsoft® IT Academy — Excel: 0.5 credits — Explore the essentials of creating spreadsheets. Topics covered include creating and saving workbooks, creating and managing large workbooks, tables, and charts, using formulas and basic functions and formatting text, and sharing and protecting spreadsheets and working with templates. *Associated Pathway: Computer Science*

Microsoft® IT Academy — PowerPoint: 0.5 credits — Discover how to create and edit presentations. Topics include inserting and modifying clip art, formatting and proofing presentation text, and creating a custom layout for slides. *Associated Pathway: Computer Science*

Microsoft® IT Academy — Word: 0.5 credits — Gain knowledge of the essentials of Microsoft Word. Topics covered include creating, navigating, and saving documents, checking spelling and grammar, adding graphics and clip art and inserting hyperlinks and WordArt, and working with outlines, columns, tables, diagrams, and drawing tools. *Associated Pathway: Computer Science*

Microsoft® Office Basics: 0.5 credits — Learn the basics of Microsoft Office products, including Word, PowerPoint, Excel, and Outlook, and important skills such as creating documents, presentations, spreadsheets, and the effective use of e-mail. *Associated Pathway: Computer Science*

Photoshop: 0.5 credits — In LearnKey's Photoshop CC course learn how to edit and retouch photos as well as create digital images and designs. Learn digital image formats, basic color theory, and how to retouch and apply other tonal adjustments to images. Explore editing tools through various projects while preparing for the Visual Communication Using Adobe Photoshop ACA exam. *Prerequisites — Art 1, Digital Photography or Graphic Design Associated Pathways: Digital Graphic Arts*

Innovation Academy (continued)

Raspberry Pi Projects 1: 0.25 credits — Dig deeper into the Python programming language and project-based learning and have the chance to design and build race cars, robotic arms and more. This is a continuation of the Intro to Python course. *Prerequisite — Intro to Python*
Associated Pathways: Engineering, Robotics

Schoolyard Ventures Entrepreneurship Boot Camp: 0.25 credits — Schoolyard Ventures is an innovative program that helps teens launch businesses, non-profits, and other real-world projects that are meaningful to them. The Entrepreneurship Boot Camp gives students an introduction to the program and helps them develop ideas for starting their own business.
Associated Pathway: Entrepreneurship

Schoolyard Ventures Entrepreneurship: 0.75 credits — Schoolyard Ventures provides students with curriculum, workshops, mentorship, and micro-capital to help them launch their own businesses. Students are encouraged to experiment with various business ideas and progress in the program at their own pace. Instructors and mentors help with the process as students work to bring their product to market. *Prerequisite — Schoolyard Ventures Entrepreneurship Boot Camp*
Associated Pathway: Entrepreneurship

Search and Rescue (SAR) by Drone, Part 1 — Mission Possible: 0.25 credits — Career opportunities in drone technology are expanding. Become immersed in virtual search and rescue missions performed by drones. Learn how drone SAR teams operate to get the job done. Search and rescue is just one of many ways drones will change how the world operates. Soon inspections, construction, law enforcement, agriculture, and more will all be assisted by drones. Learn about drones, autonomous flight, and the foundations of the FAA Part 107 Remote Pilot Exam. The instructor travels to a variety of locations around the state to provide an opportunity to fly a DJI drone. *Associated Pathway: Drone Innovators*

Search and Rescue (SAR) by Drone, Part 2 — Safety Net: 0.25 credits — In part 2, the SAR missions become trickier. How are missions completed with drone flight safety regulations, FAA flight standards, flight principles, and drone design in mind? This course emphasizes drone flight safety and the law. FAA Part 107 Remote Pilot Exam safety and legal questions are discussed. The instructor travels to a variety of locations around the state to provide an opportunity to fly a DJI drone. *Prerequisite — Search and Rescue (SAR) by Drone, Part 1*
Associated Pathway: Drone Innovators

Technology Basics: 0.5 credits — Master the basic skills needed in today's digital learning environment. Learn uploading and downloading of documents, basics of Internet safety, copyright respect, acceptable use policy, keyboarding, and basic word processing skills.
Associated Pathway: Computer Science

Web Development — Design Your Website: 0.5 credits — Discover basic web design using HTML and CSS. Create basic web pages and enhance them using text formatting, color, graphics, images, and multimedia. *Associated Pathway: Programming*

Academic Departments of Achievement House Cyber Charter School

As a public school, AHCCS has an outstanding staff that is directly involved in developing our customized curriculum and teaching live courses. As a cyber school, Achievement House partners with other online education resources to offer students an incredible range of courses that supplement and complement the AHCCS courses. The content of each course is aligned with PA academic standards. This section of the booklet includes courses taught by AHCCS teachers as well as courses offered through our Independent Study Department.

English and Language Arts Department

The English and Language Arts Department offers a variety of courses that provide a strong foundation in writing and literature while assuring that students possess skills necessary to succeed personally, academically, and professionally today and in the future. The content of each course is aligned with Pennsylvania Academic Standards for reading, writing, listening, and speaking, and is designed to foster the unique creativity of each student and develop critical thinkers.

Department Requirements:

Students are required to complete 4.0 credits in English, to include 1 course in Literature and an English course to be taken each school year, during grades 9-12. Students are placed in appropriate courses by their school counselor.

Core Courses:

AP English Language and Composition: 1 credit — This course is equivalent to a one-semester college-level composition course with an emphasis on expository, analytical, argumentative, personal and reflective writing on a variety of subjects. Learn to write effectively through rhetorical choices appropriate to audience, message, and medium. Teacher and peer writing feedback and revisions are a large component of the course. Emphasis is on vocabulary/diction, grammatical conventions, organization, and effective use of tone and voice to achieve desired goals of the compositions.

AP English Literature and Composition: 1 credit — This course is equivalent to a one-semester college-level course which engages in critical analysis of fiction. Students study representative works from various genres and periods, concentrating on works of recognized literary merit. Critical analysis of literary works includes both social and historical perspectives so that students can reflect on multiple interpretations of literature. Students are strongly encouraged to read Fitzgerald's *The Great Gatsby* over the summer months.

English and Language Arts Department (continued)

American Literature — Made in the USA, Read, Write, and Blue: 1 credit — Engage in an in-depth study of the American experience through a rich variety of literature from Native American writings to modern novels. Learn about the major writers and time periods, as well as the various periods of American literature and the ideas that shaped the writing of those times. Explore how various genres of writing and speaking transformed over time as the United States grew and cities were built. Learn to understand authors in relation to their historical settings, gather biographical information, and write literary essays, research papers, and personal responses.

Available Sections: Honors, CP

English in the Workplace: 1 credit — Develop practical reading and writing skills for the workplace. Areas of focus include author's perspective and craft choices in career- and goal-oriented fiction writing, structures of informational nonfiction writing, verbal and written communication, and persuasive writing. Explore how literature can help students make personal and career choices, and practice sharing information from research with others in an engaging way. Construct a personalized resume and cover letter. The capstone of the course is the development of a business proposal that solves a problem or meets a need selected by the student. *This course is for seniors.*

English Survey 9: 1 credit — Develop an understanding of fictional works. Explore narrative structure and the impact that narrative elements have on not only the text but the reader as well. Study universal themes in literature and learn to compare texts.

English Survey 10: 1 credit — This course exposes students to both fiction and nonfiction works. Through the study of nonfiction, students explore ways in which literature serves as a vehicle for social change. A study of the drama genre allows students to consider questions of personal destiny and corruption of power.

Literature Survey 11: 1 credit — This course prepares students for the Literature Keystone Exam. Students study word skills, vocabulary acquisition, narrative structures, figurative language, and dramatic and poetic elements. Students develop constructed response skills.

Global Literature - Around the World in 180 Days: 1 credit — Experience the cultures of the world through fiction, poetry, and memoirs. In this course, students read works from Africa, Japan, China, India, Latin America, and the Middle East to compare cultural perceptions of love and marriage, childhood, careers, and justice. *Available Sections: Honors, CP*

High School Program of Studies

English and Language Arts Department (continued)

Literature and Composition 1 — From Prose to Poetry: 1 credit — This course introduces students to a variety of reading and writing skills that will help them become familiar with literary terms, text structures, and reading strategies. Students learn how to develop their writing in response to the literature using narrative, argument, and informational writing. Selections include short stories, poems, nonfiction texts, and drama. Students begin to prepare for the Literature Keystone exam. *Available Sections: Honors, CP, Career*

Literature and Composition 2 — Fact or Fiction: 1 credit — In this course, students finish preparing for the Literature Keystone exam. Students read novels and online texts to show mastery of literature standards for fiction and nonfiction. They apply critical reading and thinking skills to help analyze and evaluate texts. Students continue to develop writing skills in response to the literature. *Available Sections: Honors, CP, Career Prerequisite — Literature and Composition 1 — From Prose to Poetry*

Reading and Writing Fundamentals — Language Arts Basic Training: 1 credit — This course is designed around the pillars of literacy. It prioritizes reading fluency, reading comprehension, vocabulary acquisition, and written expression. The course actively monitors a student's progression as a reader and a writer.

Electives:

21st Century Writing — Not Your Parents' Comp Class: 0.5 credits — Learn about the best ways to communicate in our digital world in order to share their thoughts and ideas. Explore some of the most popular types of writing such as narrative and argumentative. Students will have opportunities to respond using a variety of online media, such as blogs, forums, discussion boards, and images.

Creative Writing — America's Next Top Author: 0.5 credits — In this writing-intensive course, explore the major genres of writing, including nonfiction, fiction, poetry, and drama. Through lessons, class discussions, and selected readings, learn about the elements of good writing. Build a variety of writing techniques and skills through both short and long-term writing assignments.

Digital Authorship: 0.5 credits — Learn techniques to format text and/or video to enhance their intended meaning. Complete a full cycle of the writing process, resulting in a published work in the form of a personal blog, podcast, or YouTube video after choosing from a list of teacher-approved projects such as a top 10 list, book, movie, game or TV show review, current event, opinion or editorial, memoir, or creative storytelling.

Graphic Novels — It's Not Just Comics Anymore: 0.5 credits — This asynchronous course will look at fictional and non-fictional storytelling techniques, both written and visual, as well as how this genre influences modern media. Works will include memoirs, interpretative history, and more conventional fiction.

Reading Hollywood — From Page to Screen: 0.5 credits — Investigate the relationship between print and screen, using literary criticism to examine authors' purpose in narrative and the cultural interpretation as it is transformed into an alternative media.

High School Program of Studies

English and Language Arts Course Sequences

To determine the most appropriate course for the upcoming school year, identify the current grade across the top, and look down that column until you find the currently enrolled course (or the closest equivalent). Then look to the right for the next courses in the sequence. Common course sequences with options are presented. Projected course and level offerings are subject to change depending on student needs and enrollment trends. For further assistance, please contact our school counselors.

9th Grade	10th Grade	11th Grade	12th Grade
Honors Literature and Composition 1	Honors Literature and Composition 2	AP Literature and Composition	AP Language and Composition
		Honors American Literature	Honors Global Literature
CP Literature and Composition 1	CP Literature and Composition 2	CP American Literature	CP Global Literature
Career Literature and Composition 1	Career Literature and Composition 2	Reading and Writing Fundamentals OR Elective(s)	English in the Workplace OR Elective(s)
English Survey 9	English Survey 10 OR Career Literature and Composition 1	Literature Survey 11 OR Career Literature and Composition 2	Reading and Writing Fundamentals OR English in the Workplace

English Language Development Program

Achievement House provides a rigorous, standards-based educational program for English Learners (ELs) of all levels. Our English Learners build and develop their linguistic proficiency in a program that is both intensive and flexible. Identified English Learners attend an ESL (English as a Second Language) course taught by a certified ESL teacher and designed to promote the continual development of English language reading, speaking, writing, and listening skills. Additionally, the ESL department collaborates closely with classroom teachers to ensure that academic curriculum is accessible so that students can successfully meet standards and make gains in English language proficiency. Bilingual mentors and access to one-on-one help sessions further support students, ensuring positive outcomes for our English Learners.

Upon enrollment, non-native English-speaking students are evaluated for placement into the ESL program. Achievement House adheres to the WIDA English Language Proficiency Standards and employs the WIDA Screener to accurately determine a student's English language proficiency. If it is determined that a student would benefit from English language development support, an individualized program is implemented to best help the student develop English language proficiency while achieving grade-level content standards.

Four different sections of ESL support the needs of students. Newcomer EL (NEL) serves the needs of brand-new English learners acquiring basic English skills, Beginning EL (BEL) serves the needs of students in levels 1-2 (Entering and Beginning), Intermediate EL (IEL) serves the needs of students in levels 3-4 (Developing and Expanding), and Advanced EL (AEL) serves the needs of students in level 5 (Bridging).

Achievement House English Learners can truly achieve the proficiency and literacy to effectively communicate in English, excel in their academic courses, and realize their higher education and professional goals after graduation.

Newcomer EL: 1 credit — The Newcomer EL course is specially designed for recent immigrants who have very little or no English proficiency. Students in this program develop linguistic survival skills and support as they begin to adapt to their new surroundings. Placement in this course is based on scores on the WIDA Screener and teacher input.

Beginning EL: 1 credit — The Beginning EL course introduces identified English Learners to basic vocabulary and linguistic structures that they can put to practice in their content area courses. Students strengthen listening, reading, speaking, and writing proficiency in English. They learn specific language and phrases for real-world situations, as well as for their academic areas of math, science, social studies and language arts. The teacher provides support for students and teaches them tools and strategies to employ as they master the basics of the English language such as identifying the main idea, sequencing events, and sorting fact from opinion. Placement in this course is based on scores on the WIDA ACCESS or WIDA Screener and teacher input.

English Language Development Program (continued)

Intermediate EL: 1 credit — The Intermediate EL course gives students opportunities to practice and continue to develop their English reading, writing, listening, and speaking skills. Students learn new grammatical structures and apply them in the academic areas of math, science, social studies, language arts, and everyday school situations. Among other skills, students learn how to successfully identify point of view, ask for clarification, describe and expand on topics in writing, solve problems, and express their opinions. Placement in this course is based on scores on the WIDA ACCESS or WIDA Screener and teacher input.

Advanced EL: 1 credit — The Advanced EL course encourages students to continue to refine their English language proficiency. Students learn highly specialized and technical content-area language that they can apply directly to their content-area courses. They practice using a variety of sentence lengths of varying linguistic complexity in extended oral or written discourse such as stories, essays and reports. Other skills students continue to hone and develop include providing text evidence to support a position, identifying cause and effect, examining bias in writing, and supporting their opinions with examples. Placement in this course is based on scores on the WIDA ACCESS or WIDA Screener and teacher input.

Mathematics Department

The Mathematics Department is designed to build each student's knowledge of the skills and concepts required by the Pennsylvania Mathematics Standards. The courses focus on teaching students to make sense of problems and persevere in solving them, reason abstractly and quantitatively, construct viable arguments and critique the reasoning of others, model with mathematics, use appropriate tools strategically; attend to precision, look for and make use of structure, and look for and express regularity in repeated reasoning.

Department Requirements:

Students are required to complete 3.0 credits in Mathematics, to include 1 course in Algebra during grades 9-12. Students are placed in appropriate courses by their guidance counselor. Courses marked (*) meet the Algebra requirement for this department.

Core Courses:

AP Calculus AB: 1 credit — This course is equivalent to a one-semester college calculus course. Students are required to have and use a graphing calculator. Students work with functions represented in a variety of ways, determine limits of expressions, understand the meaning of a derivative in terms of a rate of change and local linear approximation, define the derivative of a function and find the derivative and integral of functions, apply differentiation techniques to the Theory of Extrema to sketch functions, solve related rates problems, optimization problems, and apply the Mean Value Theorem, understand the meaning of the definite integral, apply integration techniques to area between curves, volumes, length of curves, and average value of function, use trigonometric and algebraic substitutions, and solve differential equations.

Prerequisite — Pre-Calculus

Mathematics Department (continued)

AP Calculus BC: 1 credit — This course is designed to prepare students, who have successfully completed AP Calculus AB, for the BC level of the College Board Advanced Placement Exam. It is a college level course that covers material equivalent to a 2nd course in college calculus. This is a rigorous course which requires mastery and recall of all AP Calculus AB topics. *Prerequisite — AP Calculus AB*

AP Statistics: 1 credit — This course is equivalent to a one-semester college course in statistics. This course is activity driven, with applications in gaming scenarios, population growth, and sports. Students perform exploratory analysis of data, making use of graphical and numerical techniques to study patterns, apply sampling techniques to estimate population statistics, anticipate patterns by producing models using probability and simulation, and make statistical inferences using appropriate models.

***Algebra 1 — X Marks the Spot:** 1 credit — In this Pennsylvania Algebra 1 Keystone Exam aligned course, students are introduced to linear equations and inequalities in one variable, ratio and proportion, operations with radicals and radical functions, and exponents and exponential functions. The course concludes with the study of linear and quadratic functions, linear models, and graphs of linear equations and inequalities. Students are required to take the physically proctored Pennsylvania state assessed Algebra Keystone and the end of this course. *Available Sections: Honors, CP*

Algebra 2 — FUNctioning at a Higher Level: 1 credit — Review the ideas and concepts taught in Algebra 1 and investigate advanced algebraic concepts including: quadratic equations, systems of equations, complex numbers, exponential and logarithmic functions, matrices and determinants, polynomial functions, and radical functions and exponents. *Prerequisite — Algebra 1 Available Sections: Honors, CP*

***Algebraic Concepts:** 1 credit — This course is designed to focus on building number concepts and problem-solving skills in mathematics. Topics covered include: fractions and decimal numbers, variables, inequalities, algebraic patterns, algebraic expressions, algebraic rules and properties, introduction to algebraic equations, solving different kinds of algebraic equations, introduction to functions, and square roots and irrational numbers. These topics are expanded upon by learning how to calculate basic statistics, work with ratios and proportions, work with rates, understand percent, determine surface area and volume of three-dimensional shapes, measure angles, solve algebraic word problems, work with coordinate graphs, and identify nonlinear functions. Students are required to take the physically proctored Pennsylvania state assessed Algebra Keystone Exam at the end of this course.

Applications of Algebra — The X Squared Factor: 1 credit — This course covers the second half of Algebra 1. This course focuses primarily on systems of linear equations and inequalities as well as exponents and polynomial expressions, and data analysis. Students are required to take the physically proctored Pennsylvania state assessed Algebra Keystone Exam at the end of this course.

Mathematics Department (continued)

Applications of General Math: 1 credit — This course is designed to focus on building number concepts and problem-solving skills in mathematics. Topics covered in this course include: the concept of fractions and part-to-whole relationships, magnitude, equivalence, and the addition and subtraction of fractions, multiplication and division of fractions, working with mixed numbers, the concept of decimal numbers, operations on decimal numbers, understanding percent, integers, and operations on integers. These topics are extended upon by learning how to use fraction models, measure angles, draw and rotate polygons, triangles, and quadrilaterals, determine area of two-dimensional shapes, understand probability, find points on a graph, and observe coordinate graphs and transformations.

Calculus — Derive and Survive: 1 credit — Provides the background to use calculus in sciences, social sciences, and business applications. This course also provides an excellent foundation for further work in calculus. The instructional approach emphasizes both applications and the theoretical basis of calculus. Enrollment subject to seat availability.
Prerequisite — Pre-Calculus Available Sections: Honors, CP

Geogebra 1: 1 credit — This course is a bridge to prepare for college-level math courses. Using topics from Geometry, Algebra 1, and SAT preparations, students extend their learning through real world applications of algebraic, geometric, and statistical concepts. The course includes a review of the families of functions (linear, exponential, and quadratic), measures of central tendency, standard deviation, probability, combinations, permutations, properties of polygons, area and perimeter of two-dimensional figures, surface area and volume of three-dimensional figures, algebraic and geometric transformations, and right triangle trigonometry.

Geometry — Exploring Different Dimensions: 1 credit — This course emphasizes making connections within the concept of plane geometry. Students are introduced to inductive and deductive reasoning, logic and proof including two column proofs, thinking logically and precisely, the basic principles of plane and coordinate geometry, development of problem solving skills, and full integration of algebra and geometry. Additionally, this course prepares students for more advanced work in mathematics in other high school and college courses. *Available Sections: Honors, CP*

Introduction to Algebra — There are Letters in My Math: 1 credit — This course is the first of two year-long courses in the alternative Algebra 1 sequence. Focus is primarily on linear relationships, with an emphasis on the algebraic manipulation of linear expressions, equations, and inequalities, as well as graphing and modeling with linear functions.

Introduction to General Math: 1 credit — This course focuses on building number concepts and problem-solving skills in mathematics. Topics covered in this course include: addition, subtraction, multiplication, division, factors, primes and composites, common factors and number patterns, and the concept of fractions. These topics are expanded upon by learning how to work with data, find connections to measurement, geometry, and rates, determine area and perimeter, define properties of shapes, observe geometric transformations, and introduce statistics.

Mathematics Department (continued)

Personal Finance — Show Me the Money: 1 credit — This course helps prepare students for the financial challenges they will face in life after high school. Topics covered include the concept of “financial health” which compares the discipline required to maintain financial health to the discipline required to keep physically healthy, budgeting, and banking. The course ends with the “real world” calculator. Students have the opportunity to interact with a hypothetical post-graduation budget based on actual starting salary data for over 40 professional fields.

Pre-Calculus — I Saw the Sine: 1 credit — This course reinforces and extends the topics covered in Algebra 2 and provides an introduction to Trigonometry. Topics covered include equations and inequalities, functions and their graphs, polynomials, rational functions and expressions, radicals, exponential and logarithmic functions. Trigonometric topics covered include the definitions and graphs of the trig functions, identities and equations, and practical applications. *Prerequisite — Algebra 2 Available Sections: Honors, CP*

Electives

Patterns and Puzzles — Crack the Code: 0.5 credits — This semester-long course is designed for students who are interested in or challenged by puzzles and mathematical problems. Throughout the course, students use familiar operations as the starting point of intriguing investigations into a variety of math and logic puzzles.

Probability — May the Odds be Ever in Your Favor: 0.5 credits — This course introduces the concepts of probability. Topics include randomness, theoretical and experimental probability, probability rules, counting rules, distributions, and calculating expected values. Students will develop analytical skills through interpreting data and making connections with actual events. This course pairs well with Statistics. It may be taken before, after, or independently of Statistics. *Enrollment subject to seat availability.*

Statistics — Standard Deviants: 0.5 credits — This course introduces the concepts and methods of statistics. Topics include descriptive statistics of categorical and quantitative data, the normal model, scatter plots, data collection, and an introduction to inference. Students will develop analytical skills through interpreting data and making connections with actual events. *Enrollment subject to seat availability.*

High School Program of Studies

Mathematics Course Sequences

To determine the most appropriate course for the upcoming school year, identify the current grade across the top, look down that column until you find the currently enrolled course (or the closest equivalent). Then look to the right for the next courses in the sequence. Common course sequences are presented. Projected course and level offerings are subject to change depending on student needs and enrollment trends. For further assistance, please contact the school counselors.

9th Grade		10th Grade	11th Grade	12th Grade
Must have passed Algebra 1 Keystone in 8th Grade	Honors Geometry	Honors Algebra 2	Honors Pre-Calculus	AP Calculus OR AP Statistics
	CP Geometry	CP Algebra 2	CP Pre-Calculus	Honors Calculus
Honors Algebra 1		Honors Geometry	Honors Algebra 2	Pre-Calculus, AP Statistics, OR Elective(s)
CP Algebra 1		CP Geometry	CP Algebra 2, Personal Finance, OR Elective(s)	
Introduction to Algebra	Applications of Algebra		Geogebra	Personal Finance OR Elective(s)
			Geogebra OR Intro to Computer Science/IC3 Exam Prep	
Applications of General Math	Introduction to Algebra		Applications of Algebra	Geogebra, Personal Finance, OR Elective(s)
Introduction to General Math	Applications of General Math	Algebraic Concepts		

Science Department

The Science Department focuses on helping students to develop literacy in science. This is accomplished through lessons and units of study that address the process of Inquiry Learning. Students are required to examine information and resources, plan and conduct experiments and investigations, compare their findings to others, and communicate their results and conclusions.

Department Requirements:

Students are required to complete 3.0 credits in Science, to include 1 course in Biology, during grades 9-12. Students are placed in appropriate courses by their guidance counselor. Courses marked (*) meet the Biology requirement for this department.

Core Courses:

AP Environmental Science: 1 credit — This course is the equivalent of a one-semester college-level science course, designed for students who have an interest in biology/environmental themes. This multi-disciplinary course applies scientific concepts to real world problems and dilemmas. Course topics include traditional and experimental ecology, types of pollution, energy sources, oceanography, global trends, economics, ethics, and sustainability.

***Biology — The Secret Life of Cells:** 1 credit — This Pennsylvania Keystone aligned course examines the concepts and processes of life science. Topics include cell chemistry and function, heredity, evolutionary theory, and ecology. All topics will focus on the principles that govern biological processes observed in the natural world. Students are required to take the physically proctored Pennsylvania state assessed Biology Keystone Exam at the end of this course. *Available Sections: Honors, CP, Career*

Chemistry — Potions, Poisons, and the Peculiar World of Atoms: 1 credit — Learn about matter, its chemical structure and properties, and the changes it undergoes. Topics include atomic structure, stoichiometry, solutions, gas laws, periodic law, bonding, molecular orbital theory, equilibrium, acids, and bases. *Available Sections: Honors, CP, Career*

Environmental Science — Every Day is Earth Day: 1 credit — Explore the complex interactions between living organisms and their non-living environments as well as current environmental concerns and strategies for conservation and preservation. Examine the vital role that humans play in the global ecosystem. All topics focus on the scientific principles that govern ecological processes that can be observed in the natural world.

Foundations of Science — A Science Smorgasbord: 1 credit — This course emphasizes the development of basic scientific skills and concepts in chemistry, physics, earth science, and biology. In addition, scientific vocabulary and reading comprehension is addressed to assist students in furthering their science education.

Life Science — Life Finds a Way: 1 credit — This course introduces students to fundamental biological principles. Students learn about the chemistry of life, the basics of cells and cell processes, genetics, and ecology. Students discover how other scientific fields, such as chemistry, play an important role in the functions of life.

Science Department (continued)

Physics — Watt are Joules?: 1 credit — Physics is an important, relevant, and enjoyable discipline which includes the topics of mechanics, electricity and magnetism, and optics. In the various levels of this science course, students learn by doing, experiencing practical applications as well as theoretical aspects of the discipline. Students gain an understanding of how physics applies to everyday life while preparing for the challenges of science at the college level. *Available Sections: Honors, CP*

Electives:

Anatomy — Look Inside Yourself: 0.5 credits — Investigate the study of anatomical structures, physiological systems, and body functions. Using craft items and recycled materials, engage in hands-on STEAM-based projects, review human structural and functional organization at both the microscopic and macroscopic levels. Units include discussions of the basic body systems, including the musculoskeletal, circulatory, nervous, and integumentary systems. The course also includes the study of recent advances in medical technology such as 3D printed bones and organs.

Events and Disasters — What Could Go Wrong?: 0.5 credits — Explore nature's fury, and how we respond to, learn from, and try to prepare for the next disaster. From tornadoes, hurricanes, earthquakes and tsunamis, to avalanches and lightning storms, discover what causes these natural phenomena and how we are trying to prevent casualties and damage from future events. As Murphy has expressed so eloquently in his own "law," if something can go wrong, it will. One thing we know for sure — it's not a matter of if, it's a matter of when.

Forensics — Histories and Mysteries: 0.5 credits — This course surveys key topics in forensic science, including the application of the scientific process to forensic analysis, procedures and principles of crime scene investigation, physical and trace evidence, and the law and courtroom procedures from the perspective of the forensic scientist. Through online lessons, virtual and hands-on labs, and analysis of fictional crime scenarios, students learn about forensic tools, technical resources, forming and testing hypotheses, proper data collection, and responsible conclusions.

Enrollment subject to seat availability.

Prerequisite: Successful completion of at least two years of high school science including Biology and Chemistry.

Introduction to Astronomy: 0.5 credits — Explore our solar system and beyond its limits to experience how we play a part in the universe around us. Observe stars and breakdown what makes them hot and bright. Answer the questions: How do we observe galaxies far away? What are old and new ways of exploring space? Apply critical thinking and discovery to the expanding universe and the objects that make it up. Learning about astronomy is cool, but learning about Supernovae is a blast.

High School Program of Studies

Science Course Sequences

To determine the most appropriate course for the upcoming school year, identify the current grade across the top, look down that column until you find the currently enrolled course (or the closest equivalent). Then look to the right for the next courses in the sequence. Common course sequences are presented. Projected course and level offerings are subject to change depending on student needs and enrollment trends. For further assistance, please contact the school counselors.

9th Grade		10th Grade	11th Grade	12th Grade
Must have passed Biology Keystone in 8th Grade	Honors Chemistry	Honors Physics OR Environmental Science	AP Biology, AP Chemistry, OR AP Environmental Science	
	Honors Biology	Honors Chemistry	Honors Physics OR Environmental Science	AP Biology, AP Chemistry, OR AP Environmental Science
Must have scored Proficient on PSSA in 8th Grade	CP Biology	CP Chemistry	CP Physics, Environmental Science, OR Elective(s)	
	Life Science	CP Biology	CP Chemistry OR Environmental Science	CP Chemistry, CP Physics OR Elective(s)
Life Science		Career Biology OR Foundations of Science	Career Biology OR Career Chemistry	
Foundations of Science		Life Science	Career Biology	

Social Studies Department

The Social Studies Department consists of many different courses spanning all eras. The Department goal is to enable students to make connections between the American experience and the global one. The United States is not isolated, but is part of an ever-changing world. By studying both American and world history, students will learn from the past to be more informed citizens of the present and become better able to create context for the future using 21st century skills.

Department Requirements:

Students are required to complete 3.0 credits in Social Studies, to include 1 course in Civics (or Government) during grades 9-12. Students are placed in appropriate courses by their guidance counselor. Courses marked (*) meet the Civics requirement for this department.

Core Courses

AP U.S. Government and Politics: 1 credit — This course is equivalent to a one-semester college level social studies course. Analyze the United States government and explore economic theory and practice. Examine the underpinnings of the U.S. Constitution, and begin to interpret and apply the Constitution to governmental policy. Develop an understanding of the principles and processes of formal institutions and informal institutions. Develop an understanding of economic indicators and the role of government in economic decision-making. Examine civil liberties and public policy from both a legal/theoretical and a practical perspective. The course emphasizes the importance of civic life and the rights and responsibilities of citizenship.

***Civics — Your Rights and Responsibilities:** 1 credit — This course is designed to help students become active, productive citizens of the U.S. Throughout the course, students learn what government is, how the American government functions, and what they can do to become an ideal citizen of the U.S. Topics covered include a study of citizenship and the American government. *Available Sections: Honors, CP, Career*

Modern World History — Plagues, Pirates, and Revolution: 1 credit — Study a time period that begins in the early 1500s and continues to the present day including the events, people, conflicts, and ideas that have shaped our modern world. Develop an understanding of modern world history by studying topics such as the Renaissance, exploration, colonization, revolutions, WWI, WWII, and the Cold War. *Available Sections: Honors, CP, Career*

U.S. History — The Rise of a Superpower: 1 credit — Investigate the events that occurred in the United States as well as those that impacted the United States during the 1800s through the 1970s. Throughout the course, students explore major events that shaped the future decades and generations of the United States, its allies, and also its enemies. The course highlights the accomplishments and challenges of minorities throughout these periods and their contributions to the development of American history. Learn how to assess historical materials and to weigh the evidence and interpretations presented. *Available Sections: Honors, CP, Career*

Social Studies Department (continued)

World Regional Geography: 1 credit — Be a "World Traveler!" Explore different elements of geography and locations around the world. Study the physical and cultural characteristics of these places while learning about the current problems they face. Current events and other ideas will be discussed.

Electives

African American History: 0.5 credits — Using primary sources and firsthand accounts, this semester-long course will present an in-depth look at Black history in the United States, from enslavement through the Civil Rights Movement. Learn about the changing social, political, and economic discrimination African Americans faced from slavery, through the Jim Crow era, and during the Civil Rights Movement. Emphasis is also placed on the achievements and contributions African Americans have made to the United States. Gain a better understanding of current events by studying the past.

Economics — Money Makes the World Go 'Round: 0.5 credits — How do businesses make money? This course provides students with the fundamental tools for economic thinking. Students examine decision-making by consumers and producers and analyze supply and demand, pricing and production, and providing goods and services. By the end of this course, students will create their very own business plan.

Law and Justice: 1 credit — How does one become a lawyer or work in criminal justice? How does law and justice work? Explore the many different areas of the criminal justice system, from crimes and courts to how society addresses different issues related to them. Participate in activities related to the criminal justice system to gain real world knowledge and experience of law and justice.

Psychology: 1 credit — How does the brain work? Why do we feel happy or sad? Psychology seeks to explain those things and more. In this full-year elective course, learn about and discuss the basics of psychology and the study of it. Explore how the brain works and thinks, why we feel and act the way we do, and much more.

Women In History: 0.5 credits — Study the important roles that women played in American History from the pre-colonial era up until the present day. Key topics include the contributions of women before and during the Revolutionary War, the abolitionist, suffrage, civil rights, and feminist movements, as well as key pieces of legislation, particularly those obtained during the 1970s. Current issues are also examined.

Social Studies Course Sequences

To determine the most appropriate course for the upcoming school year, identify the current grade across the top, look down that column until you find the currently enrolled course (or the closest equivalent). Then look to the right for the next courses in the sequence. Common course sequences are presented. Projected course and level offerings are subject to change depending on student needs and enrollment trends. For further assistance, please contact the school counselors.

9th Grade	10th Grade	11th Grade	12th Grade
Honors Modern World History	Honors U.S. History	Honors Civics	AP U.S. History OR AP US Government and Politics
CP Modern World History	CP U.S. History	CP Civics	CP Civics OR Elective(s)
Career World History	Career U.S. History	Career Civics	

Arts and Humanities Department

These courses study human culture and history as they apply to the visual and performing arts. Subjects of study include art, music, and film. Students will find an appreciation of the arts and humanities in cultures around the world.

Department Requirements:

Students are required to complete 2 credits in Arts and Humanities during grades 9-12.

21st Century Writing — Not Your Parents' Comp Class: 0.5 credits — Learn about the best ways to communicate in our digital world in order to share their thoughts and ideas. Explore some of the most popular types of writing such as narrative and argumentative. Students will have opportunities to respond using a variety of online media, such as blogs, forums, discussion boards, and images.

American Music — The Beat Goes On: 0.5 credits — Music created in the United States tells an interesting story of our country. Students will learn about music in the early days of America and travel through time exploring many different genres. The course will focus mainly on jazz and rock and roll, but will also investigate the blues, musical theatre, film scores, and the music of today.

Art 1 — Foundations: 0.5 credits — Learn how to draw using elements and principles of design. Students will learn about art history and a variety of approaches to drawing. Form and value will be discovered using gesture and contour drawing, value studies of 3D forms, and still life paintings. Students will explore composition and figure/portrait development.

Art 2 — Express Yourself: 0.5 credits — Use the elements and principals of design to create an assortment of art projects. Projects will be based on various periods from art history including Surrealism, pop art, and cultural art studies. Projects aim to help develop individual self-expression and style. *Prerequisite — Art 1*

Art Anatomy: 0.5 — Explore several body systems and use this knowledge as the starting point for STEAM focused projects that use creativity and creative thinking skills. Complete activities that are hands-on and based on the human body. Collect and analyze experimental data to present graphics. Create various art projects in relationship to the content and learn anatomical structures through coloring book activities.

Child Development and Parenting — From Pampers to Pre-School: 0.5 credits — Studying children helps an individual understand the importance of personal development, the developmental processes of children, and careers in the childcare/educational field. By understanding how a child develops intellectually, socially, emotionally, and physically, students are empowered to make choices for themselves and others to optimize their quality of life. Students taking this course will also learn about the role of a parent and how to build self-esteem within the family.

Arts and Humanities Department (continued)

Creative Writing — America's Next Top Author: 0.5 credits — In this writing-intensive course, explore the major genres of writing, including nonfiction, fiction, poetry, and drama. Through lessons, class discussions, and selected readings, learn about the elements of good writing. Build a variety of writing techniques and skills through both short and long-term writing assignments.

Digital Photography — Picture Perfect: 0.5 credits — Begin to master the concepts, design principles, skill sets and techniques of photography. Learn about the capabilities and functions of the camera, dissect art elements and principles, and explore each one closely to understand photographic composition. Learn how to edit and manipulate photographic images.

Family and Consumer Science — Adulting 101: 0.5 credits — Explore information and skills needed to function effectively within the family as well as a changing, complex society. Classes will delve into topics such as meal planning, grocery shopping, and dietary modifications. Focus on financial concepts and making informed decisions when it comes to savings and debt. Become familiar with checking/savings accounts, interest, credit/debt, and the importance of a budget.

Graphic Design — Logos, Letterheads, and Lots More!: 0.5 credits — Explore the basics of combining text with images to create artwork for advertisements or book and album covers. Review advertising techniques and the power of visual communication.

Graphic Novels — It's Not Just Comics Anymore: 0.5 credits — This asynchronous course will look at fictional and non-fictional storytelling techniques, both written and visual, as well as how this genre influences modern media. Works will include memoirs, interpretative history, and more conventional fiction.

Independent Art: 0.5 credits — Work collaboratively with teachers to design projects that are independently approved and relate to art. Student evaluations will be conducted by the teacher upon completion of the course to determine whether course goals and objectives were met and award credit.

Independent Family and Consumer Sciences: 0.5 credits — Work collaboratively with teachers to design projects that are independently approved and relate to family and consumer sciences. Student evaluations will be conducted by the teacher upon completion of the course to determine whether course goals and objectives were met and award credit.

Independent Music: 0.5 credits — Work collaboratively with teachers to design projects that are independently approved and relate to music. Student evaluations will be conducted by the teacher upon completion of the course to determine whether course goals and objectives were met and award credit.

Independent Study Creative Outlet: 0.25 credits — This asynchronous course will allow students to showcase their talents which they have been pursuing outside of school. These talents can include, but are not limited to, artistic forms of expression such as music, dance, painting, cooking, cosmetology, jewelry making, etc.

Arts and Humanities Department (continued)

Intro to Watercolors: 0.25 credits — Explore the artistic expression of watercolors. Starting with the basics and working through experimentation pieces, build a personal style with a watercolor portfolio. *Prerequisite: Art 1*

Intro to Drawing: 0.25 Credits — Drawing is a fundamental form of art that is used in all mediums. This course is an introduction to the basic foundation of both design and realistic drawing. Learn the elements of drawing: line, tone, color, texture, composition and space, while exploring drawing materials such as charcoal, graphite, Conté, pastels, and ink. Develop creativity through the presentation of basic techniques. Work from observation to address topics such as proportion, perspective, color theory, light and shade. Receive exposure to critique skills and build a final portfolio. *Prerequisite: Art 1*

Music Appreciation — Bach to Blues, the Evolution of Music: 0.5 credits — This course is designed to expose students to the elements of music and the primary musical periods of traditional Western European classical music as well as world music. Learn the basics of music reading, study a variety of composers and musicians, and listen to a variety of musical examples. Experience the music of many different cultures around the world.

Photoshop: 0.5 credit — In LearnKey's Photoshop CC course learn to edit and retouch photos as well as create digital images and designs. Learn digital image formats, basic color theory, and how to retouch and apply other tonal adjustments to images. Explore editing tools through various projects while preparing for the Visual Communication Using Adobe Photoshop ACA exam. *Prerequisites — Art 1, Digital Photography or Graphic Design*

Reading Hollywood — From Page to Screen: 0.5 credits — Investigate the relationship between print and screen, using literary criticism to examine authors' purpose in narrative and the cultural interpretation as it is transformed into an alternative media.

Career and College Readiness Department

This department allows students to explore who they are, what is important to them, and what they would like to do. These courses allow students to develop the tools they need to create the kind of life they want. Courses marked (*) meet the graduation requirement for this department.

Career Readiness 9: 0.25 credits — This course introduces students to the building blocks necessary to select and prepare for a career. Students explore their interests and abilities, identify career options, and work to develop a high school and college/career plan. Various topics are introduced, including effective speaking and listening skills, cover letters and resumes, and social networking. Students will also create a career portfolio.

Career Readiness 10: 0.25 credits — This course continues to guide students through the building blocks necessary to select and prepare for a career. Students explore their interests and abilities, identify career options, and work to develop a high school and college/career plan. Various topics are reinforced, including effective speaking and listening skills, cover letters and resumes, and social networking. Students will also add to a career portfolio.

Career and College Readiness Department (continued)

Career Readiness 11: 0.5 credits — This course provides students with a solid foundation to a successful future beyond high school. Students will continue to explore their interests and abilities, identify career options, and work to develop a college/career plan. Topics will include interviewing skills, completing job-related paperwork such as tax forms, planning for SAT/ACT exams and college applications, and skills needed to become a successful adult.

***Graduation Project 10/11:** 0.25 credits — The graduation project is the culmination of knowledge, skills, and experience achieved throughout a student's high school career. The complete project will be presented to the Graduation Project Advisor who will ensure that all specific project requirements have been completed as mandated by the state and assign a presentation date. The graduation project must be completed in order to fulfill student graduation requirements. Students entering grades 10 and 11 may choose to complete their Graduation Project requirement by doing a career-based project. Completing the career-based project in 10th or 11th grade will mean not having to take the Graduation Project 12 course to complete it during the senior year.

***Graduation Project 12:** 0.25 credits — The graduation project is the culmination of knowledge, skills, and experience achieved throughout a student's high school career. The complete project will be presented to the Graduation Project Advisor who will ensure that all specific project requirements have been completed as mandated by the state and assign a presentation date. The graduation project must be completed in order to fulfill student graduation requirements.

Health and Physical Education Department

The primary goal of the Health and Physical Education Department is for students to develop the attitudes, knowledge, and skills needed to attain and maintain fitness and wellness throughout a lifetime.

Department Requirements:

Students are required to complete 1.0 credit in Health/Physical Education, to include Health (Wellness) and a PE course to be taken each school year. Physical Education courses do not need to be taken consecutively.

Core Courses:

Advanced Physical Education: 0.25 credits — Apply the skill of developing a workout routine and explore how to improve current fitness levels. Students will complete a fitness test and log their progress towards their individual fitness goal.

Fitness and Wellness 1: 0.25 credits — Studies show that regular physical activity is essential to good health and wellness. In this introductory course, students practice the ten health skills: communication, refusal skills, conflict resolution, accessing information, analyzing influences, practicing healthful behaviors, stress management, decision making, advocacy, and goal setting. Students learn basic fitness terminology as well as how physical activity benefits both the body and mind.

Health and Physical Education Department (continued)

Fitness and Wellness 2: 0.25 credits — Students continue to practice the ten health skills: communication, refusal skills, conflict resolution, accessing information, analyzing influences, practicing healthful behaviors, stress management, decision making, advocacy, and goal setting. Students learn basic fitness terminology as well as how physical activity benefits both the body and mind.

Independent Physical Education: 0.5 credits — Work collaboratively with teachers to design projects that are independently approved and relate to physical education. Evaluations are conducted by the teacher upon completion of the course to determine whether course goals and objectives were met and to award credit.

Lifetime Physical Activities: 0.25 credits — Learn to make informed decisions that will show benefit both now and in the future. Course work has been developed using scientific evidence that has shown regular physical activity is essential to good health and wellness. Learn basic fitness terminology as well as how physical activity benefits both the body and mind. Research and choose fitness activities that promote lifelong participation.

Team and Individual Sports: 0.25 credits — Practice making informed health and fitness decisions that will show benefit now and in the future. Review basic fitness terminology and benefits. Begin to design a personalized fitness program. Many assignments in this course are based upon research from the American Heart Association indicating that the primary cause of death in the United States, heart disease, can be treated with daily participation in physical activity.

Electives:

First Aid and CPR/AED - How to Save a Life: 0.25 credits — This course is designed to give students an overview of the skills required in first aid and CPR/AED. It will not certify students in these areas, but it will help prepare them for the certification exams through American Red Cross.

Independent First Aid and CPR/AED - How to Save a Life: 0.25 credits — Complete a variety of scenarios pertaining to emergency situations in order to show mastery of previously learned First Aid and CPR skills. *Prerequisite - Students must be certified in First Aid and CPR/AED through American Red Cross.*

Introduction to Yoga: 0.25 credits — Learn a variety of different styles of yoga, as well as keep a journal of different poses practiced. Students are provided with a yoga starter kit (if needed) and are responsible for uploading pictures of themselves practicing yoga.

Independent Study Department

Courses Offered Through AHCCS:

Driver's Education - Staying Safe Behind the Wheel: 0.25 credits — In this independent study course, students are provided with all the information needed to earn their driver's license. Interactive lessons are used to examine up-to-date safe-driving techniques. Students who take this course enjoy an effective, high-quality driver's education course that teaches them everything they need to know to become safe, confident drivers. The 24/7 online access is perfect for those students who may not have the time to attend traditional driver's education courses.

Independent Art: 0.5 credits — Work collaboratively with teachers to design projects that are independently approved and relate to art. Student evaluations will be conducted by the teacher upon completion of the course to determine whether course goals and objectives were met and award credit.

Independent First Aid and CPR/AED - How to Save a Life: 0.25 credits — Complete a variety of scenarios pertaining to emergency situations in order to show mastery of previously learned First Aid and CPR skills. *Prerequisite - Students must be certified in First Aid and CPR/AED through American Red Cross.*

Independent Family and Consumer Sciences: 0.5 credits — Work collaboratively with teachers to design projects that are independently approved and relate to family and consumer sciences. Student evaluations will be conducted by the teacher upon completion of the course to determine whether course goals and objectives were met and award credit.

Independent Music: 0.5 credits — Work collaboratively with teachers to design projects that are independently approved and relate to music. Student evaluations will be conducted by the teacher upon completion of the course to determine whether course goals and objectives were met and award credit.

Independent Physical Education: 0.5 credits — Work collaboratively with teachers to design projects that are independently approved and relate to physical education. Evaluations are conducted by the teacher upon completion of the course to determine whether course goals and objectives were met and to award credit.

Independent Study Creative Outlet: 0.25 credits — This asynchronous course will allow students to showcase their talents which they have been pursuing outside of school. These talents can include, but are not limited to, artistic forms of expression such as music, dance, painting, cooking, cosmetology, jewelry making, etc.

Third-Party Courses:

Florida Virtual School (FLVS) – AHCCS offers its AP courses through FLVS, which is an online school dedicated to personalized learning. They offer dedicated, certified teachers, while AHCCS teachers are on hand to provide support as needed.

Independent Study Department (continued)

- AP Biology
- AP Calculus AB
- AP Calculus BC
- AP Computer Science
- AP Environmental Science
- AP English Language and Composition
- AP English Literature and Composition
- AP Psychology
- AP Statistics
- AP U.S. Government and Politics

Independent Language – AHCCS joins more than 20,000 schools and districts around the world that have integrated Rosetta Stone Solutions into their curriculum to support the growing need for language skills. The Dynamic Immersion® method used within this program allows student to engage with a language through images, repetition, and scaffolding without needing translation. Rosetta Stone also offers ease of learning through a mobile application for students on the go. In this self-paced, online course, a school facilitator oversees student progress as well as grades assignments and helps keep students on track to complete their language level in a timely manner. Each language typically has 3-5 levels of study available. Completion of a level is equal to one academic credit. The following languages are offered through Rosetta Stone Solutions. Students should contact their school counselor if they are interested in taking a language that is not listed below.

- | | | |
|--------------------|------------|-----------|
| • Arabic | • Greek | • Korean |
| • Mandarin Chinese | • Hebrew | • Latin |
| • French | • Italian | • Spanish |
| • German | • Japanese | |

Students must have at least a B in all courses and receive approval from their guidance counselor in order to enroll in an independent language course.

High School Program of Studies

Updated on 5/28/2020.

To ensure you're reviewing the latest version, please visit www.achievementcharter.com.

Click on Academics and choose High School!

Expand each course section for up-to-date offerings and descriptions.

The screenshot shows the Achievement House website interface. At the top, the navigation bar includes 'ACHIEVEMENT HOUSE CYBER CHARTER SCHOOL', 'WHO WE ARE', 'LEARNING PATH', 'INNOVATION ACADEMY', 'ACADEMICS', 'LEARN MORE', 'HOW TO ENROLL', a search icon, and 'School Login'. The 'ACADEMICS' dropdown menu is open, showing options: Overview, Middle School, High School (highlighted with a black arrow), Testing and Assessments, Summer School and Extended School Year, English Language Development (ELD), and Special Education. Below the navigation bar, a large blue banner displays 'HIGH SCHOOL'. Underneath the banner, a breadcrumb trail reads 'Home > Academics > High School'. On the left, a sidebar menu lists: Overview, Middle School, High School (highlighted with a black arrow), Testing and Assessments, Summer School and Extended School Year, English Language Development (ELD), English Language Development (ELD), and Special Education. The main content area features a paragraph about the school's curriculum and a list of course categories, each with a plus icon for expansion: ENGLISH AND LANGUAGE ARTS, ENGLISH AND LANGUAGE ARTS, MATHEMATICS, SCIENCE, SOCIAL STUDIES, CAREER AND COLLEGE READINESS, ARTS AND HUMANITIES, HEALTH AND PHYSICAL EDUCATION, STEM PROJECT LEAD THE WAY, and INNOVATION ACADEMY. A black arrow points to the first 'ENGLISH AND LANGUAGE ARTS' category.