



High School Course Catalog 2019-2020

www.21cccs.org

**Main Campus:
126 Wallace Avenue
Downingtown, PA 19335**

**Satellite Campus:
221 Blue Spruce Way
Murrysville, PA 15668**

**484-875-5400
484-875-5404 (fax)**

Welcome to the 2019-20 School Year!
21st Century Cyber Charter School



21st Century Cyber Charter School (21CCCS) provides students with an excellent opportunity to receive an education and develop the skills needed to succeed in higher education or a career. There are many reasons 21CCCS is unique.

- 21CCCS teachers are Pennsylvania State certified in their subject area(s).
- Students are supported by significant, real-time contact with their teachers and staff.
- Virtual classrooms provide a high level of quality student-to-teacher interaction.
- Curriculum is developed and modified by the 21CCCS teachers and curriculum team, which focuses on student achievement.
- The 21CCCS Board of Trustees is composed of Intermediate Unit Executive Directors, Superintendents, from Bucks, Chester, Delaware, and Montgomery Counties, as well as, parent representatives.
- They provide the school with a high level of accountability.

Student success at 21CCCS depends on the following:

- Student motivation, attendance, commitment, and work completion;
- Support from the educational team;
- Regular communication between students, parents/guardians, and the educational team.

21CCCS staff and administration are dedicated to helping students achieve success. Working closely together will ensure an academically successful school year!



VISION STATEMENT

21st Century Cyber Charter School strives to be a premier school with successful students, engaged families and passionate educators working together to reach our full potential.

MISSION STATEMENT

21st Century Cyber Charter School is committed to providing a student focused cyber education in an encouraging, flexible and innovative environment where students and families are engaged in a community with caring and dedicated educators.

At 21st Century Cyber Charter School, we develop our Pennsylvania certified educators to deliver an online, rigorous, mastery based, standards aligned curriculum to prepare students to be productive, contributing members of society.

School Administration

Mrs. Monica Frank – High School Principal
mfrank@21cccs.org

Mrs. Erika Laidaw - Assistant Principal
elaidlaw@21cccs.org

School Counselors

Students assigned by first letter of last name:

Mrs. Lisa Moynihan – (A-L)
lmoynih@21cccs.org

Mr. Sean Galiczynski– (M-Z)
sgaliczynski@21cccs.org

School Nurse

Mrs. Megan Ebright
mebright@21cccs.org

Graduation Requirements

To successfully graduate from 21CCCS, students must meet the current standard for accumulated credits* and achieve a level of “Proficient” or better on Keystone Exams. Students are required to take Literature, Algebra I, and Biology exams. Students not meeting Keystone exams proficiency requirements on the first testing session will be required to complete supplementary instruction before taking the Keystone exam again.

The information below shows minimum high school credit requirements:

Category	Credit Requirements (22 total)*
English	4.0
Social Studies	3.0
Mathematics	4.0
Science	3.0
PE/Health	1.5
College & Career Readiness	0.5
Electives	6.0

Course Schedule and Deadlines

21CCCS full-credit classes extend over the course of the full-year schedule, beginning the first day of school and ending the last day of school. The school year is divided into four quarters. Half-credit classes extend the length of one semester. A typical student schedule is comprised of 6 credits.

Classes will close at 4:00 PM on the last day of each quarter. The end-of-quarter dates are posted on the Board-approved calendar found on the 21CCCS school web site. All work submitted by 4:00 PM will be included in the quarter grade calculation. No extensions beyond the close of classes will be granted. Deadline expectations are as follows:

- A student has a minimum of 45 days and a maximum of 90 days to complete a half credit course.
- A student has a minimum of 90 days and a maximum of 180 days to complete a one-credit course.

Students are encouraged to submit their work at least one week prior to the last day of the quarter/semester. This allows teachers ample time to provide feedback so students have ample time to seek assistance from their teachers on assignments for which they may not have achieved learning mastery. Students will not have access to their classes after 4:00 p.m. on the last day of the quarter/semester. All 21CCCS and 3rd party classes will close on the last student day at 4:00 p.m. in accordance with the school calendar.

Program Placement & Course Selection

21CCCS Course Scheduling

High school students at 21CCCS are scheduled for classes according to 21CCCS Graduation Requirements. Although a typical high school course load is 6 credits per year, in some instances, it may be appropriate to allow a student to take additional credits. Students who do not achieve a “proficient” score on any Keystone Exam(s) will receive supplemental instruction in the content area for the exam for which they did not achieve proficiency.

Counselors will review transcripts from the student’s previous school(s) and determine which courses the student needs to take. School counselors will schedule courses according to the standard high school course progression unless extenuating circumstances exist that require alternate scheduling.

High School

Students are promoted to the next grade level based on the number of credits earned. The average student completes 6.0 credits per school year. At 21CCCS, emphasis is placed on passing individual courses to earn credit rather than advancing to the next grade level. Each student has the opportunity to advance in each subject according to ability. Students may earn enough credits to graduate early, and students who are behind in credits have the opportunity to “catch up” to their graduating cohort.

Grade levels based upon credits earned are designated as follows:

9th Grade	0-5.0 credits
10th Grade	5.25-10.50 credits
11th Grade	10.75-16.00 credits
12th Grade	16.25-22.0 (22.0 total credits required for graduation)

Grade levels are recalculated at the start of each school year. The credits shown above indicate the appropriate grade level based on credits earned and may vary from the grade level designated by their prior school. Students have the ability to add extra classes to their schedule by finishing classes early and obtaining approval from their School Counselor. For more information, the parent/guardian should contact the School Counseling Department.

Third Party Classes

In some cases, students may be permitted to take a high school course from an approved third party provider. In order to be eligible to take a course from a third party provider, students must have completed at least one successful year at 21CCCS. The School Counseling Department will review students’ prior grades and courses taken to determine eligibility. A parent/guardian must return a parent consent form prior to a student enrolling into a 3rd party class.

A student must add or drop 3rd party classes through 21CCCS School Counseling department within 10 days after the scheduled start date. If parents/students purchase classes directly from the third party provider, 21CCCS will not pay for the class and may

not be able to accept the credit.

Adding/Dropping Courses

Students may add or drop a course(s) within the first ten school days of a student's enrollment in a class. It is the responsibility of the student to contact the School Counseling Department in writing if he/she wishes to add or drop a course.

Requests will be honored at the discretion of the school. If a student withdraws from a non-Advanced Placement (AP) course more than 10 school days after the scheduled start of the class or his/her enrollment in the class, he/she will receive an "W/F" on both his/her report card and final transcript, unless expressed approval from the CEO is obtained, which is provided only in rare or exigent circumstances.

Students will have 20 school days from the start of Advanced Placement (AP) class to drop the class if the class is too challenging. Students will need to enroll in another course to replace the dropped AP course. It will be the responsibility of the student to make up the missed work in the added class from the start of the student's enrollment.

Failing/Repeating Courses for Credit

Students may repeat a course for credit ONLY if the student fails the course. The failing course will remain on the student's transcript and is calculated into the final G.P.A.

Grade Point Average (GPA)

Upon successful completion of Honors and A.P. (Advanced Placement) courses, due to their higher level of difficulty, students receive additional quality point credit in these courses when calculating grade point averages. While honors credits allow students to earn an additional .25 points, A.P. allow students to earn an additional .5 points.

Honor Roll

In recognition of high achieving students, 21CCCS awards the following honors levels at the end of each quarter:

Level	GPA
Distinguished Honors	3.75+
High Honors	3.50 – 3.74
Honors	3.00 – 3.49

All grades earned must be "C" or higher without any "I" (incomplete) grades.

Independent Study

Qualifying students (good academic standing, on track for earning credits toward graduation, no assigned truancy levels) are eligible to apply for an independent study. Students applying for an independent study will complete an application form and write a brief proposal describing a course of study for administrative approval. The course of study must include ALL of the following:

- Evidence that the independent study experience is led by a qualified instructor or cooperating mentor
- A detailed plan of study or course syllabus that lays out the learning objectives and curriculum that the student will follow
- Proposed hours of study that meet or exceed 50 hours of instruction and effort (about 2.5-3 hours per week). Students will submit weekly logs to their 21CCCS Moodle course assignments for teacher-of-record review.
- Assessment of student performance by a qualified evaluator (i.e. teacher, instructor, or mentor).
- Formal reflection on the experience.
- Submit your application to your counselor no later than August 1, 2019:
Download the [21CCCS Independent Study Application](#)

Laureate Distinction

For 2019-2020 Juniors, Sophomores, and Freshmen who concentrate in one elective content area will receive the 21CCCS Laureate Distinction certificate with their high school diploma at graduation. Laureate Distinction must include 3 different courses in the same content area. For example, a student who completes 3 art courses will receive the 21CCCS Visual Arts Laureate Distinction certificate. Once students have finished the 3 course requirement, they should send an email to the school counselors for review.

Notification for Sports Team Eligibility

Students who participate on a sports team in their home school district must continue to meet grade requirements to continue participating with the team. In accordance with PIAA eligibility rules for student-athletes, students must achieve a passing grade in at least 4 full-credit courses **by Friday of each week**. If a student fails to meet these requirements, he/she will lose participation eligibility until the necessary requirements are met. A student may resume participation on the team one week after meeting the requirement of passing 4 full-credit courses.

If a school requires weekly grade updates for its athletes, it is the responsibility of the student to request such information each week. Students should submit their requests weekly to guidance@21cccs.org. Students should also include the name and email address of the person who will receive the grade report at their local school district.

NCAA Eligibility

Many of our courses qualify for NCAA, National Collegiate Athletic Association, eligibility. Please notify your Counselor upon registration for each school year if you plan to seek NCAA eligibility. Please note that students seeking NCAA eligibility must adhere to the quarter deadlines and cannot move ahead. For more information about NCAA eligibility, visit: <http://www.ncaa.org/student-athletes/future/how-register>

Off-Campus Physical Education Courses

Students will meet their Physical Education requirements using “off-campus” physical activities; this is paired with an online component that deals with developing healthy habits and creating a lifestyle full of life-long fitness. Off-Campus PE activities must be completed for more than 3 hours each week with a certified instructor. Sports such as karate, gymnastics, dance, etc. can be used for the physical activity portion of this class. Thirty (30) hours of Off-Campus instruction is required for each 0.25 credits.

Off-Campus PE requires pre-approval from the 21CCCS Off-Campus PE teacher during the time of scheduling (see procedure below). When counting hours, only instructional time amounts towards the 30 hours; games/practice on own time does not count. For example, a gymnastics instructor providing direct instruction to a gymnast is acceptable, but time spent alone practicing will not be counted.

Procedure for using off-campus sources of instruction

1. A student should request Off-Campus PE when scheduling classes for the year.
2. A student should then seek approval from the 21CCCS Off-Campus PE teacher, by contacting the main office at (484)-875-5400 and asking for the phone number or email address of the coordinator and discussing the sport and requirements.
3. Next, the student should send a copy of their Off-Campus instructor’s certification via fax or email to the Off-Campus PE teacher.
4. Once the certification is in place and the program has been approved, the student will need to complete the online component of the course work and submit weekly activity reports.

At the end of the course, the instructor should assign a grade. Credit will be awarded once the work and hours have been achieved and verified by the Off-Campus PE teacher, so long as the course meets school requirements. All students earning Off-Campus PE credit must still complete online academic work aligned with PDE standards to earn credit for this course. Off-Campus PE forms will be provided once the course has been approved.

Local College/University Enrollment

Current PDE guidelines prohibit dual enrollment agreements between charter schools and institutions of higher education. Current state regulation prohibits charter schools, which includes cyber charter schools, from directly entering into dual enrollment agreements with postsecondary education institutions. Any student residing in Pennsylvania who is enrolled in a charter school, a nonpublic school, a private school or a home education

program may be permitted to enroll in dual enrollment courses offered through the student's school district of residence provided that the following requirements are met:

1. The student meets the qualifications set forth in the Concurrent Enrollment Agreement.
2. The charter school, nonpublic school, private school or home education program agrees to award secondary credit for the successful completion of the dual enrollment course
3. The student notifies the school district of residence of the intent to enroll in the dual enrollment program.

High school students may enroll in a maximum of 3 college classes per academic year. Students/Parents must submit a copy of the course syllabus or description to 21CCCS for approval prior to enrolling if they wish to earn HS credit. All costs, including but not limited to tuition, books, and transportation, are the responsibility of the student/parent. Students/Parents should consult with their School Counselor to avoid scheduling conflicts with 21CCCS live classes and college classes.

If any 21CCCS student is interested in exploring the potential of a dual enrollment program, while continuing to attend 21CCCS, please contact Dr. Benjamin Ruby, Director of Education, at: Bruby@21cccs.org or 484-875-5414. 21CCCS cannot guarantee availability to participate or acceptance of any student in a school district dual enrollment program.

Charter school students may also enroll independently in college coursework. However, the coursework may not be applied toward high school credit or graduation requirements, and the student is responsible for covering tuition and related costs.

Transfer Credits

School counselors review and evaluate transfer credits on the high school transcript for each individual school a student has attended. Students must provide official transcripts from each school attended to ensure proper grade level, course selection, and ability placement. 21CCCS uses a quarter system for credits. Therefore, transferred credits from other schools are adjusted as follows:

- Credit below .25 is adjusted to .25 credits
- Credit between .26 & .49 is adjusted to .50 credits
- Credit between .51 & .74 is adjusted to .75 credits
- Credit between .76 & .99 is adjusted to 1.0 credit

Credit for home-schooled students will be given based on appropriately supplied documentation provided to 21CCCS prior to enrollment. This documentation should include home-school evaluations as well as course descriptions. Parents must provide this information prior to the start of classes.

When the content of a transferred course is questioned, the parent/guardian should provide course details and/or provide the phone number/contact for the previously

attended school for clarification. Credit may be given for a course as an elective if it does not meet 21CCCS core subject course requirements.

Ninth Grade Transition Program

Ninth grade students participate in our 9th Grade Transition Program to help them transition to 9th grade. This is important because they are building their high school transcript, which will follow them to college or their career. One important issue facing 9th grade students that is very different from middle school is the concept of “earning credits” in every class, including elective courses. Beginning in 9th grade, students must pass each class to earn a credit. A student might earn enough credits to pass to the next grade, but he/she must repeat any failed course to earn the necessary credit to meet graduation requirements.

We encourage our 9th grade students to log into the 9th grade cohort virtual office at 9AM for homeroom and check in with their Academic Advisor each school day. During a typical week the 9th grade core courses (English Composition, Algebra 1B, Introduction to Scientific Principles, and American History II) meet twice a week for 1.5 hours at a time. During this extended live class time, the teacher is able to present the course content in a variety of ways and students are able to complete the work during the live class either in small groups or individually.

Special Education Program

Students in our special education program with an Individualized Education Plan (I.E.P.) may qualify for special education elective courses. The Transition Skills course will provide students the opportunity to acquire a variety of skills that will facilitate their transition to postsecondary life. The Transition Skills curriculum is aligned to the Pennsylvania Academic Standards for Career Education and Work. The Progress Monitoring course is aligned to the Pennsylvania Academic Standards and individual student IEP goals. For these courses, students will have live class and assignments in Moodle that align directly to individualized IEP goals.

CORE SUBJECT COURSE PROGRESSION

Math Curriculum Progression

	8th	9th	10th	11th	12th
Academic Progression	Algebra I-A	Algebra I-B or Algebra Concepts	Algebra I or Algebra II	Geometry or Algebra II	Integrated Math or Consumer Math or Geometry
CP (College Preparation) Progression	Algebra I-A <i>Intermediate Pathway</i>	Algebra I-B <i>College Prep Pathway</i>	Algebra II <i>College Prep Pathway</i>	Geometry <i>College Prep Pathway</i>	Pre-Calculus or Calculus or Intro to Statistics or Intro to Accounting or Algebra III / Trig
Honors Progression	Algebra 1-A or Algebra I <i>Honors Pathway</i>	Algebra I-B <i>Honors Pathway</i> or Algebra II <i>Honors Pathway</i>	Geometry <i>Honors Pathway</i>	Algebra II or Pre-Calculus or Algebra III Trig or Calculus or AP Statistics or AP Calculus AB	Pre-Calculus or Algebra III Trig or Calculus or AP Statistics or AP Calculus AB

* Students are not required to stay in the same pathway.

English Language Arts Curriculum Progression

	8th	9th	10th	11th	12th
Lang. Arts Academic Progression	Lang. Arts 8	English Composition	Elements of Language	English Literature	Business Communications
Lang. Arts College Prep. Progression	Lang. Arts 8 <i>Intermediate Pathway</i>	English Composition <i>College Prep Pathway</i>	English Literature <i>College Prep Pathway</i>	American Literature <i>College Prep Pathway</i>	British Literature <i>College Prep Pathway</i> or Business Communications
Lang. Arts Honors Progression	Lang Arts 8 <i>Advanced Pathway</i>	English Composition <i>Honors Pathway</i>	English Literature <i>Honors Pathway</i>	American Literature <i>Honors Pathway</i> or AP Eng. Lit and Comp	British Literature <i>Honors Pathway</i> or AP Eng. Lit./Comp.

* Students are not required to stay in the same pathway.

Science Curriculum Progression Class of 2020

	8th	9th	10th	11th	12th
Science Academic Progression	Science Adventures	Biology	Physical Science or Chemistry	Science Choice	Science Optional
Science College Prep. Progression	Science Adventures	Biology	Chemistry	Physics	Science Choice/Optional
Science Honors Progression	Science Adventures	Honors Biology	Honors Chemistry	Honors Physics	AP Biology or AP Environ Science

Science Curriculum Progression Class of 2021 and Beyond

	8th	9th	10th	11th	12th
Science Academic Progression	Science 8	Introduction to Scientific Principles	Biology <i>Academic Pathway</i>	Science Choice	Science Optional
Science College Prep. Progression	Science 8 <i>Intermediate Pathway</i>	Introduction to Scientific Principles <i>College Prep Pathway</i>	Biology <i>College Prep Pathway</i>	Chemistry <i>College Prep Pathway</i>	Science Choice/Optional
Science Honors Progression	Science 8 <i>Advanced Pathway</i>	Biology <i>Honors Pathway</i>	Biology <i>Honors Pathway</i> or Chemistry <i>Honors Pathway</i>	Chemistry <i>Honors Pathway</i> or Physics <i>Honors Pathway</i>	Physics or AP Biology or AP Enviro Science

* An elective of Physics is highly recommended for college-bound students.

* Students are not required to stay in the same pathway.

Social Studies Curriculum Progression

	8th	9th	10th	11th	12th
Social Studies Academic Progression	American History I	American History II	World History <i>Academic Pathway</i>	U.S. Government and Economics <i>Academic Pathway</i>	Social Studies Optional
Social Studies College Prep. Progression	American History I <i>Intermediate Pathway</i>	American History II <i>College Prep Pathway</i>	World Geography or World History <i>College Prep Pathway</i>	U.S. Government and Economics <i>College Prep Pathway</i>	Social Studies Optional
Social Studies Honors Progression	American History I <i>Advanced Pathway</i>	American History II <i>Honors Pathway</i>	Honors World Geography or Honors World History or AP Human Geography <i>Honors Pathway</i>	U.S. Government and Economics <i>Honors Pathway</i> or AP Human Geography or AP US History	AP US History or AP Human Geography or AP Microeconomics

* Students are not required to stay in the same pathway.

Pathways

Some 21CCCS core subject classes (English, math, science, and social studies) are designed with pathways, each with a different level of rigor. **Classes with an asterisk (*) next to the name have Pathways built into the curriculum coursework.** This indicates that those classes have differentiated paths through the curriculum to better serve various groups of learners. Students must select the appropriate pathway during course selection; however, based upon student performance during the course and with the teacher's approval, students can change pathways during the course if necessary. In addition, counselors may suggest a particular path based on various student data points including but not limited to the student's Pennsylvania Value Added Score (PVAAS), periodic benchmark data, performance in content area coursework, teacher recommendation, etc.

Honors Pathway

Honors level pathways are designed for students whose skills, past performance, and interests demonstrate that they can successfully complete increasingly challenging academic work. Honors work may include research and rigorous projects that require extensive reading requirements and analytical thinking. This level requires the student to be responsible, mature, and have strong study skills that enable the student to pursue independent learning. For high school students, upon the successful completion of an Honors Pathway, .25 quality points will be added to the GPA calculation for that course, provided that the student was enrolled in the honors pathway or a corresponding honors course at the student's previous school for at least half of the school year.

College Prep Pathway

Students who select the College Prep Path will complete grade level or above assignments designed to provide mastery of challenging cognitive skills and objectives and prepare students for college level coursework. College Prep level pathways are designed for the majority of our students whose skills and past performance are on grade-level.

Advanced Placement Courses

Students who demonstrate an ability and desire to complete rigorous college-level coursework may enroll in Advanced Placement courses. Many colleges and universities award college credit to students who achieve a qualifying score on the Advanced Placement exams. 21CCCS faculty teaches most of our AP courses, so students receive the same personalized instruction 21CCCS provides in other courses. Upon successful completion of an Advanced Placement course at 21CCCS, students will receive .5 quality points added to the GPA calculation for that course.

For more information on Advanced Placement courses....

Click the link below to visit the College Board web site.

[What is an AP class like and how will the class prepare me for college?](#)

English Language Arts High School Courses

Students must earn 4 English credits to graduate. 21CCCS English courses were designed to follow and reinforce the standards that are provided by the Pennsylvania Department of Education (PDE). Classes with an asterisk (*) next to the name have Pathways built into the curriculum coursework.

***English Composition Grade 9**

[Read Syllabus](#)

1 Credit

This course is designed help students build their writing and communication skills. Students will write in the informative, argumentative, and narrative modes. Students will learn the writing process and take multiple pieces of writing through drafting, revision, and editing. Students will study other writers and model texts to learn writing techniques and craft moves. Students will be taught to use appropriate organizational strategies, precise language, and a variety of sentence structures. The course will teach students to use appropriate grammar, mechanics, punctuation, spelling, and sentence formation. Students will also continue to build their text analysis skills through the close study and analysis of fiction and nonfiction. The course will include readings, writing assignments, discussion boards, live class lessons, research, group work, presentations, quizzes, and tests.

Texts: *To Kill a Mockingbird*, *I Am Malala*

***English Literature Grade 10 (Required Course)**

[Read Syllabus](#)

1 Credit

In this course, students will build their skills as readers and writers. Students will engage in close reading and analysis of fiction, nonfiction, drama and poetry. Students will build comprehension skills, as well as, vocabulary and word recognition skills. Students will learn about elements of fiction, nonfiction, drama and poetry including, but not limited to: theme, plot, setting, characterization, tone and mood, voice, text structure, symbolism and figurative language. Students will read across a wide variety of genres. In this class, students will build writing skills with a focus on responding to texts and supporting ideas with text evidence. The course includes readings, discussion boards, research, presentations, essay assignments, quizzes, and exams.

Texts: *Fahrenheit 451*, *Romeo & Juliet*, *Chasing Lincoln's Killer/Manhunt*, *Lord of the Flies*

Honors Texts: *How to Read Literature like a Professor*, *Mythology: Timeless Tales of Gods and Heroes*, *Antigone*

***American Literature Grade 11**[Read Syllabus](#)**1 Credit**

In this course, students will read and analyze major works of American Literature from the pre-colonial times to the present. Students will analyze texts arranged thematically, rather than chronologically. Ideas students will explore include This Land is Your Land: The American Identity, Freedom and Oppression, American Dreams and American Nightmares, and Song of Myself: Identity, Conformity, and Society. Students will build their writing and research skills, with a particular focus on responding to and analyzing literature. Students will explore many aspects of American literature: fiction, nonfiction, poetry, media, art, drama, the novel and speech. The course includes readings, discussion boards, live class lessons, research, essays, group work, presentations, quizzes, and exams.

Texts: *Kindred*, *Incidents in the Life of a Slave Girl*, *The Great Gatsby*, *The Namesake*.
Honors Texts: *Crucible*, *The Awakening*

Elements of Language Grades 10, 11, 12[Read Syllabus](#)**1 Credit**

This course is designed to support students in building foundational reading and writing skills. The aim of this course is to prepare students to meet the demands of postsecondary literacy and communication. Students in this course will write for a variety of purposes, from personal narratives to inquiry and analysis essays. Students in this course will develop a deep understanding of their individual reading and comprehension process. They will develop strategies and skills to improve reading comprehension and fluency. Students will read and analyze texts including short stories, novels, essays, non-fiction articles, poetry, and literary nonfiction.

Novels: *Where Things Come Back*

***British Literature Grade 12**[Read Syllabus](#)**1 Credit**

In this course students will read and analyze major works of British Literature from the beginnings of written language to the present. Students will analyze literature through close reading and by examining historical and cultural contexts. Students will continue to hone writing skills and research skills, with a particular focus on responding to and analyzing literature. Students will explore many aspects of British literature – fiction, nonfiction, poetry, media, art, drama, the novel, and speech. The course will include readings, discussion boards, live class lessons, research, group work, presentations, quizzes, and exams.

Texts: *Hamlet*, *Frankenstein*, *Jane Eyre*
Honors Text: *Brave New World*

Business Communications Grade 12[Read Syllabus](#)**1 Credit**

This course is designed to familiarize students with the many types of written and verbal communications that students will encounter in the business world. Students will also learn writing techniques, research skills, and proper grammar usage. Students will explore many aspects of business communications - business writing, technical documentation, advertising, resumes, verbal communication skills, interviewing, and much more. The course includes readings, discussion boards, live class lessons, research, and presentations.

Texts: *How to Win Friends and Influence People*

AP English Literature & Composition Grade 12

[Read Syllabus](#)

1 Credit

This advanced literature course will engage students in careful reading and analysis of a challenging set of literary works from a range of genres including the novel, short story, poetry, nonfiction, and drama. The focus of the course will be on intensive reading and discussion of the literature, as well as critique and evaluation of secondary critical essays. Emphasis will be placed on thoughtful and compelling analysis of the readings using a variety of theoretical frameworks and devices. The course is intended to provide students with an academic experience parallel to that of a college level literature course.

Texts: *The Odyssey, Light in August, Frankenstein, A Thousands Splendid Suns, Invisible Man, Twelfth Night, King Lear, Norton Intro to Literature*

Creative Writing Grades 11, 12

[Read Syllabus](#)

0.5 Credit

This course will teach students the major components of the creative writing process by learning writing techniques and self-editing. The primary focus of the course will be on creating and completing various creative pieces, culminating with the completion of a “final” piece incorporating all skills covered in the course work. Students will explore many aspects of creative writing through writing activities and assignments geared towards helping students unlock their natural creativity. The course will also include readings, discussion boards, revision strategies, and live class lessons.

Holocaust and Genocide Literature Seminar Grades 11, 12

[Read Syllabus](#)

0.5 Credit

This course will provide students the opportunity to examine Holocaust literature and other similarly themed writings. Students will explore genocide themes in a historical and contemporary context. Students will complete writing workshops. Other learning activities will include film analysis, book discussions, analyze oral histories, and a weekly Live Class. Although these books were carefully selected for literary and artistic value, parents should be aware that some may contain images, language, or moments of violence that may not align with their personal values. If you are concerned about the content of these books, contact the school to discuss your concerns with the teacher.

Graphic Novel Seminar Grades 9, 10, 11, 12

[Read Syllabus](#)

0.5 Credit

This course examines graphic novels, a genre that has grown in popularity and renown in recent years. Students will study history, fiction, classic literature, and science fiction through these inventive books that combines literary texts and illustrations. In addition to analyzing these texts, students will be able to create their own stories and comics. The course may include readings, discussion boards, live class lessons, group work, projects, and presentations. Although these books were carefully selected for literary and artistic value, parents should be aware that some might contain images, language, or moments of violence that may not align with their personal values. If you are concerned about the content of these books, contact the school to discuss your concerns with the teacher.

Texts: *A Pocketful of Plays*, *Respect for Acting*

Elements of Drama & Theater Grades 9, 10, 11, 12

[Read Syllabus](#)

0.5 Credit

This course is an overview of Western Theater beginning with the Ancient Greek and ending in 20th century. The course is designed to survey the historical aspects of theater and its growth, to reflect on the actor's job to build a character and tell a story, and to bring forward aspects of the backstage work that must occur when successfully performing that story. Students will be engaged in reflection on cultural influences on theater, analysis of character and scripts, creation of original works, and performance.



Informational Writing Grades 11, 12

[Read Syllabus](#)

0.5 Credit

In this course students will build on and further develop their informational writing skills. This course will explore the principles of effective written communication and provide intensive practice in writing various types of informational writing, especially analysis and research. In addition to writing, students will study the work of contemporary authors to deepen their understanding of the writer's craft. This course aims to provide students with a solid informational writing foundation for college and/or a professional career.

Journalism Grades 9, 10, 11, 12

[Read Syllabus](#)

0.5 Credit

Journalism is a course designed for students who are interested in exploring the field of journalism and developing their skills as a writer. This course will investigate the ethical and legal responsibilities of the press, as well as the various forms of media found today. Students will learn the fundamentals of writing hard news stories, feature stories, sports reporting and editorials. They will have numerous opportunities to create original articles throughout the course. Throughout this course, students learn the keys to conducting an interview and translating that information into an article ready for the press. As a final assignment, students will create a newspaper using the articles they have written throughout the course.

Mathematics High School Courses

Students must earn 4 Math credits to graduate.

21CCCS Math courses were designed to follow and reinforce the standards that are provided by the Pennsylvania Department of Education (PDE). Classes with an asterisk (*) next to the name have Pathways built into the curriculum coursework.

***Algebra I Grades 9, 10 (Algebra I or Algebra IB Required) [Read Syllabus](#)**

1 Credit

In this course, emphasis will be placed on operations, linear equations, linear inequalities, linear functions, and data organization. Students will be asked to work with operations, real numbers and expressions, to write and solve linear equations and linear inequalities, to analyze and interpret functions, describe and compute slope, to analyze and interpret a scatter plot, and to use data displays in problem solving situations. Activities will include live class sessions, practice activities, and unit exams. This course will prepare students to take the Keystone Algebra I Exam.

***Algebra I B Grades 9, 10, 11 (Algebra I or Algebra IB Required) [Read Syllabus](#)**

1 Credit

In this continued course, emphasis will be placed on operations, linear equations, linear inequalities, linear functions, and data organization at an advanced pace. Students will be asked to work with operations, real numbers and expressions, to write and solve linear equations and linear inequalities, to analyze and interpret functions, describe and compute slope, to analyze and interpret a scatter plot, and to use data displays in problem solving situations. Activities will include live class lessons, practice activities, and unit exams. This course will prepare students to take the Keystone Algebra I Exam.

***Algebra II Grades 9, 10, 11**

[Read Syllabus](#)

1 Credit

The purpose of this course is to reinforce and extend students' knowledge of Algebra 1 as they apply variables, equations, and functions to more in-depth problem solving situations. This course will delve into various algebraic topics including: formulas, linear functions and graphs, patterns, counting theory, data analysis, radical expressions, rational exponents, imaginary numbers, quadratics and factoring, polynomial functions and equations, exponential and logarithmic functions, logarithmic properties and equations, and an introduction to absolute value functions, radical functions, and rational functions. This course will include interactive lessons, practice, quizzes, tests, and activities throughout the learning process.

***Geometry Grades 9, 10**

[Read Syllabus](#)

1 Credit

Students will build upon basic geometry skills by extending ideas about the properties of lines and polygons. Review of the properties of triangles and other skills from Algebra I will show relationships between parts of geometric figures and solving for unknowns. Throughout the course, students will apply the math they learn to real-world situations. This course includes lecture through live class lessons, a midterm exam, and a final exam.

Introduction to Accounting Grades 10, 11, 12[Read Syllabus](#)**0.5 Credit**

This course is an introduction to accounting for high school student. The following concepts will be explored: the accounting equation, financial statements including the balance sheet, the income statement, the owner's equity statement, analysis and recording of business transactions. The accounting cycle from recording business transactions into a journal through preparing the post closing trial balance will also be taught.

Introduction to Statistics Grades 10, 11, 12[Read Syllabus](#)**0.5 Credit**

This course is designed as an introduction to statistics for high school student. In this course, students will build upon algebra skills by working with frequency and probability distributions and applying them to real-world situations involving samples and populations. Students will be able to make inferences about these situations through the statistics that they will learn.

Algebra III/Trigonometry Grades 11, 12[Read Syllabus](#)**1 Credit**

This course covers quadratics, conics, polynomials, functions, logarithms, factorizations and substitutions, systems of equations, sequences and series, factoring methods, inequalities and functional equations. This course builds on much of the curriculum of Algebra II and is a natural pairing with the Trigonometry course since trigonometric topics are not covered. It also includes many challenging aspects of algebraic problem solving that are not presented in Algebra II. Trigonometry is the study of the dynamic relationship between angles, circles, and motion. In this course, students will review concepts, including trigonometric ratios in triangles on the coordinate plane and in real world applications, and will expand their skills to graphing circular functions, solving novel equations, and proving trigonometric identities. Students will be assessed through a variety of methods including in-depth projects and explorations.

Prerequisites: Successful completion of Algebra I, Geometry and Algebra II required.

Calculus Grades 11, 12[Read Syllabus](#)

1 Credit

This course provides a comprehensive survey of differential and integral calculus concepts, including limits, derivative and integral computation, linearization, Riemann sums, the fundamental theorem of calculus, and differential equations. Content is presented across ten units and covers various applications, including graph analysis, linear motion, average value, area, volume, and growth and decay models. In this course, students use an online textbook, which supplements the instruction they receive and provides additional opportunities to practice using the content they've learned. Students will use a free graphing calculator (DESMOS) for their work on this course.

Prerequisites: Pre-Calculus.

Consumer Math Grades 11, 12[Read Syllabus](#)**1 Credit**

This course is a comprehensive review of the mathematical skills applied to personal finance and other consumer issues. Topics include whole numbers, fractions, percentages, basic algebra, charts and graphs. The course covers the most common consumer issues including finances, taxes, budgeting, insurance, and home ownership for example. By the conclusion of the course students will be able to compute wages, and taxes, budget for fixed and variable expenses, understand the cost of loans, compare and evaluate products and services for a best buy including larger items such as vehicles, and compare investment opportunities.

***Pre-Calculus Grades 11, 12**[Read Syllabus](#)**1 Credit**

The purpose of this course is to prepare students for the study of Calculus. The major areas of study include: analyzing functions including power, polynomial, rational, exponential, and logarithmic functions; logarithmic properties and equations; right triangle trigonometry; trigonometric functions and graphs; trigonometric identities and equations; systems of equations and matrices; conic sections; parametric equations; vectors; polar coordinates; and sequences and series. This course will include vocabulary checks, practice, quizzes, tests, and projects. Prerequisites: Passing grade in Algebra I & II and Geometry. Recommended only for students who earned a B or above in Algebra II.

Integrated Math Grade 12[Read Syllabus](#)**1 Credit**

This course is designed to be a review of basic Algebra, Geometry, and advanced Algebra topics. The goal of the course is to improve students' proficiency in topics including numbers and operations, measurement, geometry, algebraic concepts, and data analysis and probability. Students will have the opportunity to strengthen their skills in each of the topic areas. Course work includes lesson units, and projects that use real world situations that require math and basic problem solving techniques.

AP Calculus AB Grades 11, 12[Read Syllabus](#)

1 Credit

This course is the equivalent of an introductory college-level calculus course. Calculus helps scientists, engineers, and financial analysts understand the complex relationships behind real-world phenomena. Students learn to evaluate the soundness of proposed solutions and apply mathematical reasoning to real-world models. Students also learn to understand change geometrically and visually (by studying graphs of curves), analytically (by studying and working with mathematical formulas), numerically (by seeing patterns in sets of numbers), and verbally. Students prepare for the AP Calculus Exam and further studies in science, engineering, and mathematics. AP Calculus AB requires use of a graphing calculator. Prerequisites: Pre-Calculus.

AP Statistics Grades 11, 12[Read Syllabus](#)**1 Credit**

AP Statistics data analysis is dependent on the use of technology. Students should have access to computers that include software capable of doing data analysis. Students will be required to interpret output generated by statistical software programs. Students are not expected to learn how to use various statistical programs. In most cases the calculator is sufficient but the fundamental tool of data analysis is the computer. Prerequisites: Algebra II

Science High School Courses

Students must earn 3 Science credits to graduate.

21CCCS Science courses were designed to follow and reinforce the standards that are provided by the Pennsylvania Department of Education (PDE).

Classes with an asterisk (*) next to the name have Pathways built into the curriculum coursework.

***Introduction to Scientific Principles Grade 9**[Read Syllabus](#)**1 Credit**

This course is an introductory course designed to introduce students to the basic concepts of science. Students will explore the history and nature of science with emphasis on fundamental concepts of biology, physics, and chemistry while exploring the relationship between science and everyday life.

***Biology Grades 9, 10 (Required Course)**[Read Syllabus](#)**1 Credit**

This course reinforces the Biological Science Standards created by the Pennsylvania Department of Education. This course includes a survey of biology, botany, zoology, cell physiology, microbiology, and genetics. Several extensive labs demonstrate first hand the concepts being taught in this class. At the conclusion of this course students should be able to: explain the structural and functional similarities and differences found among living things, explain the chemical and structural basis of living organisms, describe how genetic information is inherited and expressed, and explain the mechanisms of the theory of evolution. Activities will include live class lessons, and small group work.

***Earth and Space Science Grades 9, 10, 11, 12**[Read Syllabus](#)**1 Credit**

Earth and Space Science is the study of the processes that shape the Earth and explain the universe. This course will explore the four main branches of Earth Science, which includes the following: geology, oceanography, meteorology, and astronomy. In this Earth science course, students will learn in detail about the Earth's interior and the theory of plate tectonics. Students will use simulations, articles, visualizations, and other tools to explore Earth's systems and their interactions. Students will also explore the current theories that describe the formation of Earth, our Solar System, and the universe.

***Physical Science Grades 9, 10, 11, 12**[Read Syllabus](#)**1 Credit**

This course stresses basic concepts and logical methods of chemistry and physics as they apply to daily life. Upon completion of this course, students will be able to: explain fundamental scientific principles, distinguish kinds and phases of matter, classify matter, recognize the role of atomic structure in chemical bonding, reactivity, and radioactivity, state the difference between forms and kinds of energy, describe the electromagnetic nature of matter, and use the concept of force and motion to solve real world problems. This course will include live class lessons, research, written assignments, a midterm exam, and a final exam.

***Chemistry Grades 10, 11, 12**[Read Syllabus](#)**1 Credit**

This course builds upon scientific concepts presented in general science and biology courses. Students will explore the theories behind the foundations of chemistry and apply critical thinking skills to solve real-life chemistry problems. Topics include, but are not limited, to the scientific method, atomic theory, the periodic table, types of chemical bonding, chemical nomenclature, stoichiometry, limiting reactants, percent composition, gas laws, and solutions. Additionally reading and algebraic problem solving strategies will be emphasized in assessments throughout the course. Prerequisite: Algebra I (C or better)

***Physics Grades 10, 11, 12**[Read Syllabus](#)**1 Credit**

Students explore physics concepts using laboratory activities, videos, software, and websites. The purpose of this course is to provide opportunities to study the concepts, theories, and laws governing the interaction of matter, energy, and forces, and their applications to the real world through exploratory investigations and activities. This course is intended for college-bound students with strong mathematical skills. Using conceptual laboratory investigations, students will focus on: energy, thermodynamics, conservation of energy, momentum, kinematics, force and motion waves, electricity and magnetism, matter, space and time, and interactions among science, technology, and society. Activities will include live class recordings, lab assignments and small group work. Prerequisite: Algebra II

***Environmental Science Grades 11, 12**[Read Syllabus](#)

1 Credit

Students will explore key topic areas including the application of the scientific process to environmental analysis; ecology; energy flow; ecological structures; earth systems; and atmospheric, land, and water science. Topics also include the management of natural resources and analysis of private and governmental decisions involving the environment. Students explore actual case studies and conduct interactive activities, learning that political and private decisions about the environment and the use of resources require accurate application of scientific processes, including proper data collection and responsible conclusions. Activities will include webcasts, lab assignments and forums.

Introduction to Anatomy and Physiology Grades 11, 12[Read Syllabus](#)**1 Credit**

This class covers every major body system ranging from the skeletal system to special senses. With the complexity of the human body, each unit is covered using an outline to focus on the main topics. As students move throughout the class, they will not only learn about each body system, but how these body systems work together.

AP Biology Grades 11, 12[Read Syllabus](#)**1 Credit**

AP Biology is a year-long course taught at the same level as a first year college biology class. This course adheres closely to the College Board standards for AP Biology and will prepare you to take the AP Biology Exam. The two main goals of this course are to help you develop a framework for biology and to help you gain a deeper understanding of science as a process. In this course, we will be developing higher-level thinking in terms of biology rather than just memorizing terms and facts.

Prerequisites: General Biology and Chemistry.

AP Environmental Science Grades 11, 12[Read Syllabus](#)**1 Credit**

This course is designed to acquaint you with the physical, ecological, social, and political principles of environmental science. The scientific method is used to analyze and understand the interrelationships between humans and the natural environment. The course shows how ecological realities and the material desires of humans often clash, leading to environmental degradation and pollution. The course consists of six chapters covering the following topics: Earth's Systems, Human Population Dynamics, Natural Resources, Environmental Quality, Global Changes, and Environment and Society. Chapters are divided into several subsections, each of which contains text, animations, laboratory simulations and video presentations by experts. Prerequisites: Biology and Physical Science or Chemistry

Introduction to Forensic Science Grades 10, 11, 12[Read Syllabus](#)**0.5 Credit**

Forensic science is the application of basic biological, chemical and physical science principles and technological practices to the purposes of justice in the study of criminal and civil issues. Major themes of study in this course will be pathology, anthropology, odontology, ballistics, trace evidence, entomology, DNA, fingerprints, impression evidence, questioned documents and forensic psychiatry/psychology. This course will present the scientific principles, basic laboratory and field methods forensic scientists use to solve problems. Students will take on the various roles of crime scene investigator, scientists and medical examiner in order to collect and evaluate evidence in a problem-solving environment. Prerequisites: Successful completion of Biology

**Astronomy Grades 9, 10, 11, 12**[Read Syllabus](#)**0.5 Credit**

The purpose of this course is to enable students to develop and apply knowledge of the universe and compare the conditions, properties, and motions of bodies in space. The course begins with an introduction to the history of astronomy and the scientists from ancient times to the modern age who have provided the basis for its study. Concepts within the course include: the electromagnetic spectrum, instruments used to explore space, interstellar and extra solar objects, origin of the universe, constellations, galaxies, nebulae and black holes. The course will end with the history of space exploration and provide insight into the space missions planned for the future. Students will be required to apply basic concepts learned from previous math and science courses to the study of astronomy.

Genetics Grades 10, 11, 12[Read Syllabus](#)**0.5 Credit**

This course is built to expand upon the basic concepts of genetics introduced in Biology. Students will explore the concepts of genetics in depth and come away with a better understanding of the complexity found encoded in our DNA. Topics include: Inheritance, DNA and Chromosome Structure, Gene Function, genetic mutations, genetic technology and ethical issues related to genetic research and its applications. This course will include live class lessons, research, written assignments, labs, quizzes and readings. Prerequisite: Biology

Social Studies High School Courses

Students must earn 3 Social Studies credits to graduate.

21CCCS Social Studies courses were designed to follow and reinforce the standards that are provided by the Pennsylvania Department of Education (PDE).

Classes with an asterisk (*) next to the name have Pathways built into the curriculum coursework.

***American History II Grade 9**

[Read Syllabus](#)

1 Credit

American History II begins during the period of reconstruction after the devastation left by the Civil War. From here, the course covers major wars, the roaring 1920's, Great Depression, Civil Rights and the Nixon Administration. Students work in unison with the teacher and each other through synchronous learning tools, email, and online chats to break down and analyze the political, social, and economic facets that changed radically from one presidential term to the next.

***World Geography Grades 10, 11, 12**

[Read Syllabus](#)

1 Credit

In the World Geography course students will examine, discuss, and apply the five major themes of Geography to compare different world regions. The course begins with an investigation of the five themes of Geography—Location, Place, Movement, Human-Environment Interaction, and Region—and an overview of the main concepts of Human Geography including population trends, migration, culture, political geography, and economic geography. As the course continues, students will apply their knowledge of the five themes and concepts of Human Geography to analyze and compare the following world regions: Europe, Latin America, Sub-Saharan Africa, Southwest Asia, South Asia, and East Asia. Activities will include assignments, weekly live classes, and interactive forums.

***World History Grades 10, 11, 12**

[Read Syllabus](#)

1 Credit

World History gives students the opportunity to visit the past, connect with the present, and look to the future. The course begins with the Renaissance and moves forward to cover the Scientific Revolution, exploration, Spain's Golden Age, the rise of Austria & Prussia and the Industrial Revolution. From here, students dive into more recent world history exploring the modernization of Japan, Latin America, Africa and the Middle East, WWI, Hitler and Nazi Germany and WWII. To conclude, studies of regional events since 1945 are reviewed. Students will be required to use their knowledge of history, geography, economics, political processes, religion, ethics, diverse cultures, and humanities to solve problems in academic, civic, and social settings. This course will include live class lessons, research writing, and narrative writing.

***US Government & Economics Grade 11**[Read Syllabus](#)**1 Credit**

In the American Government portion of the course, students will begin by reviewing the roots of American Democracy while examining different forms of government. Next we will introduce our founding fathers and the drafting and adoption of our Constitution. From there, students will investigate the three branches of our government and understand the checks and balances in place. Throughout the course students will gain knowledge of political participation and it's importance on determining how our country will function and prosper. In the Economics portion of the course students will gain a broad overview of how economics shapes decisions made by individuals, groups of people, countries, and world institutions. Students will begin their study of Economics with an examination of the fundamental ideas that go into economic thinking and how markets work. From there, students will explore economic institutions and organizations, how economic output is measured, and what impact governments have on the market. Activities will include forums, simulations, project-based learning, and objective assessments.

AP Human Geography Grades 10, 11, 12[Read Syllabus](#)**1 Credit**

Explore the patterns and processes that impact the way humans understand, use, and change Earth's surface. Geographic models, methods, and tools help you examine the effect that human social organization and interconnections have on our world.

AP Microeconomics Grades 11, 12[Read Syllabus](#)**0.5 Credit**

Microeconomics is the study of economics on the level of individual areas of activity and how individuals make choices with limited resources. In AP Microeconomics, students examine concepts such as supply and demand, factors of production, roles of labor and management, the relationship between the environment and the economy, and the effect of government on individual decision-making. Topics presented include the nature and functions of product markets; theory of the firm; factor market; and role of government. This course prepares students for the AP Microeconomics Exam. Prerequisites: US Government and Economics

AP US History Grades 11, 12[Read Syllabus](#)**1 Credit**

The AP U.S. History course focuses on the development of historical thinking skills (chronological reasoning, comparing and contextualizing, crafting historical arguments using historical evidence, and interpreting and synthesizing historical narrative) and an understanding of content learning objectives organized around seven themes, such as identity, peopling, and America in the world. Students will learn about U.S. history from pre-Columbian times to present day. The course is intended to provide students with an academic experience parallel to that of a college level U.S. History course.

World Religions Grades 9, 10, 11, 12[Read Syllabus](#)**0.5 Credit**

This course is an introduction to the major teachings and devotional practices of the world's religious traditions including Hinduism, Buddhism, Confucianism, Judaism, Christianity, and Islam. The course explores the essential differences and similarities between these traditions, the influence of these religions on world history, their philosophical foundations, and their expression in various cultural traditions. The course examines primary and secondary sources. It includes research papers, close readings of essential texts, podcasts, videos, exams and discussion boards.

Philosophy Grades 11, 12[Read Syllabus](#)**1 Credit**

This course is designed to introduce students to the field of philosophy by getting them to think carefully, analytically, and critically about some of the fundamental questions of human existence. Students are encouraged to engage in a dialogue about those questions and answers while studying traditional and modern approaches to the issues with an emphasis on discussion boards and postings. Some of the topics covered include: Epistemology, Rationalism, Empiricism, Idealism, Materialism, and Applied Ethics.

Sociology Grades 11, 12[Read Syllabus](#)**0.5 credit**

The world is becoming more complex. How do your beliefs, values, and behavior affect the people around you and the world in which we live? Students examine social problems in our increasingly connected world, and learn how human relationships can strongly influence and impact their lives, by watching videos, reading articles, and learning more about our society.

Psychology Grades 11, 12[Read Syllabus](#)**0.5 Credit**

Psychology is the scientific study of behavior and mental processes. It uses the scientific method to discover ways of understanding the complexities of human thought and behavior, as well as differences among people. Studying psychology gives students lifelong skills such as dealing with issues proactively, solving problems, learning, and nurturing healthy relationships. It helps students understand themselves, and deal with issues in their own lives such as inner conflicts, relationships with parents and peers, and intimacy. It also helps students understand societal problems like drug dependency, aggression, and discrimination. This course exposes students to the major topics found in the field of psychology. Students explore the scientific methods upon which psychology is based.

American Heritage: Genealogy and Immigration from 1800-Present

0.5 Credit Grades 9, 10, 11, 12

[Read Syllabus](#)

This elective course is an exploration of the roots of American immigration from the newly formed states to swelling urban cities. The course will examine immigration patterns and how America became a “melting pot”. Students will gain the tools to discover their own background and personal heritage through research. The course will include a culminating research project that answers the question, “Where did I come from?”, by utilizing reading writing, and speaking skills.

Health & Physical Education Courses

Introduction to Fitness and Health are required courses

Health Grades 9, 10, 11, 12 (Required Course)

[Read Syllabus](#)

1 Credit

This course is designed to familiarize students with different health topics for their physical, mental, emotional, and social health. This course will help students with decision-making skills, goal setting, and health skills. Mental and emotional health will be discussed throughout the course as well, leading into a relationship unit. Here, topics such as resolving conflicts will be discussed. We also will learn about Nutrition basics and managing weight and body image. In the medication, drugs and body unit, they will consider the implications of how these can affect the body and different body systems associated with this. Lastly, we will discuss communicable and non-communicable diseases on the environment and safety and prevention. Each of the concepts will be reinforced with outside readings. There will be a midterm and final exam.

Physical Education Grades 9, 10, 11, 12 (Required Course) [Read Syllabus](#)

0.5 Credit

Introduction to Fitness is a comprehensive program designed to help teens take responsibility of their own activity, fitness, and health; and to prepare them to be physically active and healthy throughout their adult lives. Students will learn the underlying fundamentals for maintaining a healthy lifestyle. Students are required to complete weekly fitness journals which includes self-assessments and physical activities, which will provide them with the opportunity to be active. The course will cover benefits of lifelong fitness activities, injury and risk, cardiovascular and respiratory systems, skill-related and health-related fitness components, and fitness programing. After completing the course, students will be able to apply acquired knowledge about the benefits of physical activity to their overall health and wellness.

Applied Physical Education Grades 9, 10, 11, 12[Read Syllabus](#)**0.5 Credit**

This course is a continuation of Introduction to Fitness. Students will continue learning the underlying fundamentals of a "fit for life" attitude. Students are required to complete a portfolio of fitness, which includes self-assessments and activities; this provides them with the opportunity to get active and improve fitness. In this course students will be exploring nutrients and food supplements, strengthening exercises, and learning to design individual fitness plans. Prerequisites: Introduction to Fitness

First Aid & Emergency Care Grades 9, 10, 11, 12[Read Syllabus](#)**1 Credit**

This course will prepare students to make appropriate decisions regarding First Aid care and to act on those decisions. First Aid can save lives, reduce recovery time, and quite possibly mean the difference between temporary disability or lifelong disability for the victim. Students will learn to recognize the signs and symptoms of injuries, sudden illness, and more. This course will also cover the importance of leading a safe and healthy lifestyle, it will meet student health class requirements, and it will provide students with the option to become Red Cross Certified in CPR and First Aid.

Nutrition Grades 9, 10, 11, 12[Read Syllabus](#)**0.5 Credit**

This course will begin by addressing some of the basic components of nutrition, then will delve into a variety of topics related to health and nutrition. Students will compare fad diets and look at the implications of poor nutrition. The course will teach students how to decipher food labels and how to plan nutritious meals. Students will investigate processed food and how it affects their health. After completing this course, students will have a strong working knowledge of what to eat to improve their health.

Off-Campus PE I Grades 9, 10, 11, 12[Read Syllabus](#)**0.5 Credit**

This course requires students to take part in an extracurricular activity provided by a certified instructor in addition to completing the textbook portion of their PE class. Students extend their knowledge and understanding of the fundamentals of physical fitness by completing a fitness log based on their extracurricular activity. Students are encouraged to think critically by incorporating the aspects of fitness learned in class and applying it to their activity. Students will be expected to assume personal responsibility in order to complete weekly fitness logs. This course covers topics including the basics of fitness and physical activity, nutrition, self-management skills, positive attitudes, cardiovascular fitness, active aerobics, and skill-related physical fitness. Students are required to keep up with assignments and readings as well as submit weekly fitness logs completed and signed by the certified instructor of the extra- curricular activity. Students must have off-campus activity approved by the PE department prior to participating in this class.

Off-Campus PE II Grades 9, 10, 11, 12[Read Syllabus](#)**0.5 Credit**

This course requires students to take part in an extracurricular activity provided by a certified instructor in addition to completing the textbook portion of their PE class. This course builds on the course Off-Campus Physical Education 1. Students extend their knowledge and understanding by independently completing the same fitness logs they did in the previous class. They are expected to relate the material learned to the extra-curricular activity completed outside of class. The course will cover the benefits of physical activity, the basics of health and wellness, and the principles of fitness. Students are required to keep up with assignments and readings as well as submit weekly fitness logs completed and signed by the certified instructor of the extra-curricular activity. Students must have off-campus activity approved by the PE department prior to participating in this class.

Prerequisites: Passing grade in Off-Campus PE I

Elective High School Courses

Advanced Digital Photography Grades 9, 10, 11, 12[Read Syllabus](#)**0.5 Credit**

Advanced digital photography will further develop your technical photography skills, imagery content, and the artistic value of your photographs. This course is designed to take the skills and techniques acquired from digital photography and continue the development of your work into meaningful artistic photography. In this course we define and analyze the successful elements of photography masters and the skill sets used in photography careers. We will reflect and incorporate those successes into our imagery. We will learn technical Photoshop and camera skills, color theory, content and style, advanced design concepts and graphic design and use practical digital photography applications through art and design.

Business Law Grades 9, 10, 11, 12[Read Syllabus](#)**0.5 Credit**

This course will provide students with a basic understanding of law as it pertains to business. It will provide an overview of our legal system, including statutes and regulations that affect businesses, families, and individuals in a variety of ways. Knowledge of business law is particularly useful because all students will eventually assume the role of citizen, worker, and consumer in society. We live in an increasingly global environment where the laws of different governments and judicial systems frequently conflict. As a result, business students must be prepared to have a basic knowledge of the legal system and how business law impacts commerce, both nationally and internationally. The material covered in the Business Law course is reinforced and enhanced through the use of technology, videos and hands-on, project-based activities.

Business Marketing Grades 9, 10, 11, 12[Read Syllabus](#)**0.5 Credit**

The purpose of this course is to indoctrinate students into the ways in which a business presents its goods or services to the public. Students will learn about careers in marketing, the impact of social media today, consumer behavior patterns, the 4 P's of marketing, laws and regulations, marketing research, and how to implement a marketing plan. The course will include readings, use of available technology, discussion boards, presentations, and the analysis of the current and future climate of marketing.

Career and College Readiness Grades 10, 11 (Required Elective) [Read Syllabus](#)**0.5 Credit**

Employers want to hire highly skilled applicants. With that in mind, the Career and College Readiness course is designed to engage students in a variety of academic, career, and eMentoring opportunities in order to build these skills. Students will recognize the importance of being marketable in today's economic climate and develop skills such as goal setting, critical thinking and problem solving. Students will demonstrate communication, networking, and workplace skills while focusing on their career interest area. Students will then be asked to reflect on their progress in these essential skills. Through the eMentoring program, students will have the opportunity to connect with a mentor in their chosen career path in order to gain valuable insight of the requirements in obtaining that career. Upon successful completion of the course, students will have a portfolio of evidence to present to any prospective employer or post-secondary education facility.

Computer Science Essentials Grades 9, 10, 11, 12[Read Syllabus](#)**1 Credit**

Students will experience the major topics, big ideas, and computational thinking practices used by computing professionals to solve problems and create value for others. This course will empower students to develop computational thinking skills while building confidence that prepares them to continue learning computer technology.

**AP Computer Science A Grades 11, 12**[Read Syllabus](#)**1 Credit**

Students in this rigorous course will learn how to manipulate data using high-level programming language for better understanding of mathematical theories used in day-to-day events. Using higher-level math skills and object-oriented language, students will design simulation, using Java as the delivery language, to gain an in-depth understanding of mathematical and computational theories. Topics covered in the course include Objects and Primitive Data types, Programming Statements, Developing Classes, Arrays, Inheritance, and Recursion. Prerequisite: Algebra II, a B or better

Drawing Grades 9, 10, 11, 12[Read Syllabus](#)**0.5 Credit**

This course focuses on the technical skill of drawing. The coursework is designed to improve students' ability to draw regardless of prior drawing experience. This class will use a variety of examples from old masters to contemporary artists. Students will draw from observation and complete 10 finished drawings. Instruction formats include demonstrations, guided practice, and critiques. Students will learn to draw by focusing on specific, individual elements of drawing to increase their skill set. Lessons in line, value, shape/form, texture, positive/negative space, composition, and perspective are included.

Driver's Education Grades 9, 10, 11, 12[Read Syllabus](#)**0.25 Credit**

This course is designed to provide students with enhanced curriculum focused on four major topics as directed by the Pennsylvania Department of Education's Bureau of Curriculum and Academic Services' School Safety Education board along with Indiana University of Pennsylvania Highway Safety Center. The four main topics covered in the class include: decision-making (which will be utilized throughout the rest of the class), perception and driving strategies for different environments, responsibilities of having a driver's license and owning/maintaining a vehicle, and manmade and natural laws in relation to driving a motor vehicle. Driver's Education is STRICTLY theory and does NOT include a driving portion.

eMentoring Grade 12 (Required Elective)**0.25 Credit**

This course is only for seniors who did not take College and Career Readiness at 21CCCS. In this course students will connect virtually with a career mentor who is currently working in a field of the student's interest. Students will engage in a series of ten short activities which include two-way electronic communication with an individual in the field via SmartFutures.org. SmartFutures.org is a non-profit company that connects 21CCCS students with volunteer professionals. This course is graded as pass/fail. All assignments must be completed in order to pass the course.

Fashion & Textiles Grades 9, 10, 11, 12[Read Syllabus](#)**0.5 Credit**

Fashion and Textiles is a course designed for students who are interested in fashion and merchandising. Learn how fabrics are used in these areas, how they are made, and the special characteristics each fabric has. Explore the 21st century of textiles from swatch to fashion, and how fabrics and textiles impact the world of fashion design. This course will also examine the origin, culture, and history of fashion, as well as the basic elements and principles of color, fashion, and design. Students will test their skills through hands-on projects, essays, and quizzes. Students will also learn essential communication skills that build success in any business. By the end of the course, students will have a head start in developing the portfolio needed to get started in this exciting field.

Film Appreciation Grades 9, 10, 11, 12[Read Syllabus](#)**0.5 Credit**

This course is designed to introduce students to the art of filmmaking. Students will learn the basic terminology of filmmaking by viewing and critiquing films. Students will learn different "genres" of films and study different film angles and tricks. Students will gain the ability to use appropriately the basic terminology of film production and film analysis. In addition, students will have an understanding of the creative contributions to film, including screenwriting, directing, and performance.

French I Grades 9, 10, 11, 12[Read Syllabus](#)**1 Credit**

French I has been carefully designed to meet the standards of the American Council on the Teaching of Foreign Languages (ACTFL). These standards call for a method of teaching that focuses on successful communication through speaking, writing, reading, and listening, as well as a thorough grounding in aspects of culture. Each unit embodies all of these standards in accordance with the theories described in this document. Unit activities blend different forms of communication and culture to ensure that the student meets all standards. Lesson and assignment strategies include warm-up activities, vocabulary study, reading, threaded discussions, multi-media presentations, self-checks, practice activities and games, oral and written assignments, projects, quizzes, and exams. (Third Party Course)

French II Grades 10, 11, 12[Read Syllabus](#)**1 Credit**

French II has been carefully designed to meet the standards of the American Council on the Teaching of Foreign Languages (ACTFL). These standards call for a method of teaching that focuses on successful communication through speaking, writing, reading, and listening, as well as a thorough grounding in aspects of culture. Each unit embodies all of these standards in accordance with the theories described in this document. Unit activities blend different forms of communication and culture to ensure that the student meets all standards. Lesson and assignment strategies include warm-up activities, vocabulary study, reading, threaded discussions, multi-media presentations, self-checks, practice activities and games, oral and written assignments, projects, quizzes, and exams. (Third Party Course)

Prerequisites: French I

German I Grades 9, 10, 11, 12[Read Syllabus](#)**1 Credit**

German I has been carefully designed to meet the standards of the American Council on the Teaching of Foreign Languages (ACTFL). These standards call for method of teaching that focuses on successful communication through speaking, writing, reading, and listening, as well as a thorough grounding in aspects of culture. Each unit embodies all of these standards in accordance with the theories described in this document. Unit activities blend different forms of communication and culture to ensure that the student meets all standards. Course strategies include warm-up activities, vocabulary study, reading, threaded discussions, multi-media presentations, self-checks, practice activities and games, oral and written assignments, projects, quizzes, and exams.

German II Grades 9, 10, 11, 12[Read Syllabus](#)**1 Credit**

German II has been carefully designed to meet the standards of the American Council on the Teaching of Foreign Languages (ACTFL). These standards call for method of teaching that focuses on successful communication through speaking, writing, reading, and listening, as well as a thorough grounding in aspects of culture. Each unit embodies all of these standards in accordance with the theories described in this document. Unit activities blend different forms of communication and culture to ensure that the student meets all standards. Course strategies include warm-up activities, vocabulary study, reading, threaded discussions, multi-media presentations, self-checks, practice activities and games, oral and written assignments, projects, quizzes, and exams.

History of Rock and Roll Grades 9, 10, 11, 12[Read Syllabus](#)**0.5 Credit**

In this course students will explore major events in the history of rock music and see how they reflected the time period. Students will read about the influential musicians, performers, and producers who contributed to popular music in America and abroad. They will listen to songs, analyze lyrics, and form their own opinions.

HS Family & Consumer Science Grades 9, 10, 11, 12[Read Syllabus](#)**0.5 Credit**

This course explores finances, personal and family responsibilities, and food science in three units. The first unit, financial and resource management will investigate financial decision making, how to choose a job, and managing annual gross income. In the second unit students will learn ways to balance family, work, and community responsibility by covering teamwork and the family life cycle. The final unit, food science and nutrition will review diets and nutritional needs, food engineering, and meal planning. The course includes readings, discussion boards, webcasts, research, live class sessions, group work, projects, and presentations.

Introduction to Digital Drawing Grades 9, 10, 11, 12[Read Syllabus](#)**0.25 Credit**

This survey course introduces students to the language, fundamental skills and techniques of drawing. Students will use apps on their iPad to explore the drawing techniques of balance and symmetry, different types of lines, shapes, shading, color, and texture. The curriculum for this course is adapted from Apple's Everyone Can Create series.

Introduction to Film Appreciation Grades 9, 10, 11, 12[Read Syllabus](#)**0.25 Credit**

This survey course introduces students to the language, fundamental skills and techniques of video. Clips and iMovie will be used as students learn about composition, lighting, camera angles, pacing, and how to establish setting as they create video projects. The curriculum for this course is adapted from Apple's Everyone Can Create series.

Introduction to Photography Grades 9, 10, 11, 12[Read Syllabus](#)**0.25 Credit**

This survey course introduces students to the language, fundamental skills and techniques of photography. Students will use the Camera and Photos apps as they learn to identify and frame compelling subjects, experiment with light and shadow, and explore all aspects of composition. The curriculum for this course is adapted from Apple's Everyone Can Create series.

Introduction to Songwriting Grades 9, 10, 11, 12[Read Syllabus](#)**0.25 Credit**

This survey course introduces students to the language, fundamental skills and techniques of music. Students will use GarageBand on their iPad as they learn to create and sample beats, arrange tracks, record vocals, capture sound, and mix audio. The curriculum for this course is adapted from Apple's Everyone Can Create series.

Keyboarding Grades 9, 10, 11, 12[Read Syllabus](#)**0.25 Credit**

This course is designed to increase students' keyboarding skills. This self-paced course provides students with correct keyboarding techniques and typing procedures. This course is ideal for students who wish to improve their 21st century computer communication skills or for individuals who simply want to improve their typing speed and accuracy.

Mandarin Chinese I Grades 9, 10, 11, 12[Read Syllabus](#)**1 Credit**

The purpose of this course is to provide an introduction to Modern Standard Chinese (Mandarin) as a foreign language for beginners. The main goal for this course is for students to acquire a culturally contextualized working knowledge of and essential skills in introductory Chinese. This course aims at developing four basic skills: listening, speaking, reading, and writing, and building a solid foundation in preparation for more advanced studies. This course will include readings, discussion boards, webcasts, written and oral assignments, quizzes, unit exams, projects, and a final exam. Upon completion of this course students will have mastered a set of essential sentence patterns and a vocabulary of approximately 350 words. In addition, this course will help students achieve a better awareness of Chinese culture and society, which will form an important aspect of a truly global perspective.

Mandarin Chinese II Grades 9, 10, 11, 12[Read Syllabus](#)**1 Credit**

The purpose of this course is to continue to provide instruction in Modern Standard Chinese (Mandarin) as a foreign language for beginners. The main goal for this course is for students to acquire a culturally contextualized working knowledge of and essential skills in introductory Chinese. This course reinforces what has been taught in Mandarin I and continue to stress developing four basic skills: listening, speaking, reading, and writing, and building a solid foundation in preparation for more advanced studies. This course will include readings, discussion boards, webcasts, written and oral assignments, quizzes, unit exams, projects, and a final exam. Upon completion of this course students will have mastered a set of essential sentence patterns and vocabulary. In addition, this course will help students achieve a better awareness of Chinese culture and society, which will form an important aspect of a truly global perspective.

Music Fundamentals & Keyboarding Grades 9, 10, 11, 12[Read Syllabus](#)**0.5 Credit**

This course offers an introductory level experience in piano and basic music theory. The goal of this class is to have students creating music right away and to leave them with skills they can easily build upon. Students will learn the basics of reading, writing, performing, and improvising music using a 49 key MIDI Keyboard and computer software. Prior music experience is not needed or expected. For students who do have prior experience, the course will offer varying degrees of challenge on certain assignments but remains a beginner level course. While this course is asynchronous, daily or near daily practice is always the best way to learn new musical skills.

Parenting & Child Development Grades 9, 10, 11, 12[Read Syllabus](#)**0.5 Credit**

This course focuses on issues related to parenting and child development. The course begins with time management (balancing parenthood with other responsibilities) and problem solving. Then progresses through units on the challenges faced by parents, the stages of development in infants and children, parenting styles, prenatal health care, special needs children, childcare and families in crisis.

Personal Finance Grades 9, 10, 11, 12[Read Syllabus](#)**0.5 Credit**

This course uses basic arithmetic skills to explore how the use of money impacts us personally in the world in which we live. Topics include finance, taxes, budgeting, banking, and home/car ownership. Examples of wages, income deductions, insurance, checking and saving accounts, credit, housing expenses, auto expenses, recreational spending, and the cost of transportation are studied. In the second half of the class, investing in your future is explored. Topics include school financing, debt and debt recovery, retirement planning vehicles and investing in stock and bond markets. At the course's conclusion, students will have been exposed to essential financial concepts and financial terms. In addition, this course will help students achieve a better awareness of the world economy and how they may interact with it for a bright and prosperous future.

Spanish I Grades 9, 10, 11, 12[Read Syllabus](#)**1 Credit**

The purpose of this course is to provide an introduction to Spanish as a foreign language for beginners. The main goal for this course is for students to acquire a culturally contextualized working knowledge of and essential skills in level one Spanish, including the use of present tense verbs, introductory conversation skills, and basic vocabulary. This course aims at developing the student's use and understanding of the target language through listening, speaking, reading and writing, as well as building a solid foundation in preparation for more advanced studies. This course will include readings, discussion boards, live class lessons, written and oral assignments, quizzes, unit exams, projects, and a final exam so that students may interact with the language in a variety of ways. Upon completion of this course students will have mastered a set of essential sentence patterns and vocabulary that are crucial in their use of Spanish outside of the classroom. In addition, this course will help students achieve a better awareness of Spanish culture and society, which will form an important aspect of a truly global perspective.

Spanish II Grades 9, 10, 11, 12[Read Syllabus](#)**1 Credit**

The purpose of this course is to build on the foundations acquired in Spanish I. The main goal for this course is to expand on the knowledge from Spanish I, culturally, conversationally, and grammatically. This course aims at developing four basic skills: listening, speaking, reading, and writing, and building a solid foundation in preparation for more advanced studies. This course will include readings, discussion boards, written and oral assignments, quizzes, unit exams, projects, and a final exam. Upon completion of this course students will have mastered a set of essential sentence patterns and a vocabulary, as well as, the present and past tense. In addition, this course will help students achieve a better awareness of Spanish culture and society, which will form an important aspect of a truly global perspective.

Spanish III Grades 9, 10, 11, 12[Read Syllabus](#)**1 Credit**

The purpose of this course is to bring students to a more functional and practical understanding of the Spanish language through practicing their reading, writing, speaking, and listening skills. This course will delve into more advanced grammar concepts, such as the subjunctive and the perfect tenses, but will also give students the opportunity to review past grammatical concepts in more detail. This course will include conversational and written grammatical practice, as well as projects, tests, quizzes, and essays to assess a student's ability to read, write, speak and listen to the Spanish language.

Study Skills Grades 9, 10, 11, 12[Read Syllabus](#)**0.5 Credit**

Students will investigate best practices for learning as a cyber student. Organization, effective approaches to time management, and using tools to boost efficiency and productivity. Students will explore learning strategies, using research, and interpreting information to help them across the different subject areas.

Watercolors Grades 9, 10, 11, 12[Read Syllabus](#)**0.5 Credit**

In this Watercolor course, students will be introduced to the tools and basic skills of watercolor painting. Once students are comfortable using traditional techniques, they will explore experimental techniques such as wet-on-wet and salt. There will also be drawing techniques discussed to ensure that students have a strong foundation for their paintings. Students will create experimental pieces as well as complete paintings in this class. In addition to art production, this course will include a general history of watercolor and important artists in the field.