



Course Guide 2023-2024

Spencer Center for Gifted and Exceptional Students
Cincinnati Public Schools
2825 Alms Pl, Cincinnati, OH 45206
(513)363-5800
spencergifted.cps-k12.org

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Wolfpack

Middle School Course Grid

Not all courses are offered every school year.

| Department | 7th Grade | 8th Grade |
|---|--|--|
| ART | Art 1 | Art 1 Art 2* |
| COMPUTER/TECHNOLOGY | Computers 7/8 (sem) | Computers 7/8 (sem) |
| ENGLISH <ul style="list-style-type: none"> English 7 English 8 | English 7 | English 8 |
| MATHEMATICS <ul style="list-style-type: none"> 2 years of math required (Math 7 and 8 OR Pre Algebra and Algebra 1) | Math 7 Pre Algebra* STEM Education (sem) | Math 8 Algebra 1* STEM Education (sem) |
| MUSIC | Intermediate Band* Beginning Strings Intermediate Strings* | Intermediate Band* Beginning Strings Intermediate Strings* |
| SCIENCE <ul style="list-style-type: none"> Science 7 Science 8 | Science 7 | Science 8 |
| SOCIAL STUDIES <ul style="list-style-type: none"> Social Studies 7 Social Studies 8 | Social Studies 7 | Social Studies 8 |
| WORLD LANGUAGES <ul style="list-style-type: none"> 3 credits of Latin are required at Spencer to graduate | Latin I Latin II* Spanish 1 Spanish 2* | Latin II Latin III* Spanish 1 Spanish 2* |

*Denotes courses that require Instructor Approval.



High School Course Grid

Not all courses are offered every school year.

| Department | 9th Grade | 10th Grade | 11th Grade | 12th Grade |
|---|---|---|--|--|
| ART | Art 1 Art 2 | Art 1 Art 2 Art Independent Study* | Art 1 Art 2 Art Independent Study* | Art 1 Art 2 Art Independent Study* |
| COMPUTER/ TECHNOLOGY | Digital Publishing (sem) Google Cert. (sem)** | Digital Publishing (sem) Google Cert. (sem)** | Digital Publishing (sem) Google Cert. (sem)** | Digital Publishing (sem) Google Cert. (sem)** |
| ENGLISH • English 9 • English 10 • English 11 or AP or Afr. Am. Lit. • English 12 or AP or Afr. Am. Lit. | English 9 | English 10 | English 11 African American Literature AP English Lang. and Comp.* AP English Lit. and Comp.* Film and Literature (sem)**** Creative Writing (sem)**** Dystopian Literature (sem)**** Speech and Debate (sem)**** | English 12 African American Literature AP English Lang. and Comp.* AP English Lit. and Comp.* Film and Literature (sem)**** Creative Writing (sem)**** Dystopian Literature (sem)**** Speech and Debate (sem)**** |
| MATHEMATICS • Algebra 1 • Geometry • Alg. 2 or Prob/Stats* • 1 additional Math credit required | Algebra 1 Geometry* | Geometry Algebra 2* Probability/Statistics* | Algebra 2 Probability/Statistics CCP Algebra (sem)*** CCP Precalculus(year)*** | Algebra 2 Probability/Statistics CCP Algebra (sem)*** CCP Precalculus (year)*** |
| MUSIC | Concert Band* Beginning Strings Intermediate Strings* Music Theory | Concert Band* Beginning Strings Intermediate Strings* Music Theory | Concert Band* Beginning Strings Intermediate Strings* Music Theory | Concert Band* Beginning Strings Intermediate Strings* Music Theory |
| P.E./HEALTH • P.E. (2 sem)***** • Health (1 sem) | Physical Education (sem) Health (sem) | Physical Education (sem) Health (sem) Physical Fitness (sem) | Physical Education (sem) Health (sem) Physical Fitness (sem) | Physical Education (sem) Health (sem) Physical Fitness (sem) |
| SCIENCE • Biology • Chemistry • 1 additional Science credit required | Biology | Chemistry | Environmental Science (sem) Forensic Science (sem) Astronomy (sem) Science of Cooking (sem) AP Biology* AP Physics 1* AP Environmental Science* AP Chemistry* | Environmental Science (sem) Forensic Science (sem) Astronomy (sem) Science of Cooking (sem) AP Biology* AP Physics 1* AP Environmental Science* AP Chemistry* |
| SOCIAL STUDIES • Modern History • Am. Hist. or AP US • Gov or AP Gov | Modern History AP Human Geography* | American History AP US History* AP Human Geography* | Government Financial Literacy (sem) AP Government* AP Psychology* AP Human Geography* AP African American Studies* | Financial Literacy (sem) AP Psychology* AP Human Geography* AP African American Studies* |
| WORLD LANGUAGES 3 credits of Latin are required | Latin I Latin II Latin III Spanish 1 Spanish 2* | Latin II Latin III Latin IV Spanish 1 Spanish 2* | Latin III Latin IV* Latin V* Spanish 1 Spanish 2* | Latin IV* Latin V* Spanish 1 Spanish 2* |
| OTHER | | | Senior Project (sem or year)* Career Search (sem) | Senior Project (sem or year)* Career Search (sem) |

*Denotes courses that require Instructor Approval.

**Students can enroll in Google Certification for up to 5 semesters (each for a different certification).

*** Course is taught by a Spencer Educator and through Sinclair. Requirements: CCP Intent Form, application to Sinclair, and all other requirements completed prior to May 1st. (see counselor if interested)

**** This course does not meet the requirements for ELA (4 years) graduation requirements

*****Students may opt out of their second semester of physical education by successfully completing 2 seasons of interscholastic athletics, marching band, cheerleading, or show choir between 9th-11th grade

COURSE CATALOG

Not all courses are offered every school year.

Art

Art 1

Grade Level: 7-12

Prerequisite: None

2 Semesters

1.0 HS Fine Arts Credit

The first course in the major sequence of high school art at Spencer focuses on largely two-dimensional art during the first semester. Students learn basic observational drawing skills, then proceed through color theory. At midyear, students take a look back to the period in art history known as Modernism. Second semester focuses mostly on three-dimensional art, and students look at both contemporary art and design, and complete projects in sculpture and design. Students will keep a sketchbook throughout the year, where they take notes, complete mini-lessons, and do their own exploratory sketches. Students participate in critiques of one another's work throughout the year, and learn to critically assess their own work according to given criteria. Films, supplementary readings, visiting artists/designers, and field trips enrich the classroom activities.

Art 2

Grade Level: 8-12

Prerequisite: Art I

2 Semesters

1.0 HS Fine Arts Credit

Students will be given a broad range of experiences in two-dimensional and three-dimensional art making; will complete at least one art-history based research project, and will have ample opportunity to work on independent study of their choice. Films, supplementary readings, visiting artists/designers, and field trips enrich the classroom experience. Students participate in critiques of one another's work throughout the year, and learn to critically assess their own work according to given criteria. Art 2 students are learning to become independent explorers of the art world, in order to spark lifelong enjoyment of visual art and art making.

Art 3 (Art Independent Study)

Grade Level: 9-12

Prerequisite: Art 2 and Instructor Approval

2 Semesters

1.0 HS Fine Arts Credit

Art 3 students have the choice of either participating in teacher-led projects throughout the year, OR creating an individualized plan, where they set their own goals with teacher input. Students who take the course purely for enjoyment will investigate new ways to enjoy their aesthetic experience. Students who have a serious interest in the visual arts/design as a career choice can begin to assemble a criteria for their developing portfolio, and set goals accordingly. All students will be expected to complete at least one project referencing art history, as well as one project related to the world of contemporary art or design. Films, supplementary readings, visiting artists/designers, and field trips enrich the classroom experience. Students participate in critiques of one another's work throughout the year, and learn to critically assess their own work according to given criteria.

Computer/Technology

Computers 7/8

Grade Level: 7-8

Prerequisite: None

1 Semester

0.5 HS Elective Credit

This course teaches students to use Microsoft Word, Excel, and PowerPoint. By the end of the course students should be able to use these programs for all the projects and reports they will need to produce at Spencer, in college, and later in life. This is a lab course, so most work will be done in class.

Computer Studies/Digital Publishing

Grade Level: 9-12

Prerequisite: None

1 Semester

0.5 HS Elective Credit

Students will learn to design, develop, and produce interactive media projects, web sites, and social media contexts. Students will demonstrate methods of creating professional quality media using commercial and open source software.

Google Certification: IT Support

Grade Level: 9-12

Prerequisite: None

1 Semester

0.5 HS Elective Credit

Note: Students can enroll in this course for up to 5 semesters. Upon completion of course work each semester, students will earn that specific certification

- Google Certification: IT Support is a self-paced, teacher monitored course through Coursera where students understand core concepts to all IT Support jobs, including troubleshooting, customer service, networking, system administration, operating systems, and security. Know how to assemble a computer, write effective support documentation, route paths and subnets, manage device software, and more. Dive into working with Linux, Cloud Computing, and Command-Line Interfaces.
- Google Certification: UX Design is a self-paced, teacher monitored course through Coursera. By the end of the course students will have a portfolio website that includes 3 end-to-end projects: a mobile app, a responsive website, and a cross-platform experience. Dive into working in Figma and Adobe XD, two of the most in-demand design tools by employers. Know how to follow the design process: empathize with users, define pain points, ideate solutions, create wireframes and prototypes, test and iterate on designs. Understand the basics of UX research, like planning research studies, conducting interviews and usability studies, and synthesizing research results.
- Google Certification: Digital Marketing and Ecommerce is a self-paced, teacher monitored course through Coursera. By the end of the course students will learn about developing digital marketing and e-commerce strategies, attracting and engaging customers through digital marketing channels like search, social media, and email, measuring marketing analytics and sharing insights, and building e-commerce stores, analyzing e-commerce performance, and growing customer loyalty.
- Google Certification: Data Analytics Certificate is a self-paced, teacher monitored course through Coursera. By the end of the course students will learn about data types and structures, using data to solve problems, how to analyze data, data storytelling with visualizations, and use R programming to supercharge your analysis.
- Google Certification: Project Management is a self-paced, teacher monitored course through Coursera. By the end of the course students will be estimating time and budgets, running effective meetings and managing stakeholders, Identifying and managing risks, Applying Agile and Scrum frameworks, leadership skills, and navigating team dynamics.

English

English 7 AA

Grades Level: 7

Prerequisite: Language Arts 6

2 Semesters

This course will cover skills in reading comprehension & analysis, argumentative and explanatory writing, creative writing, speaking & listening, and non-fiction analysis through thematic units structured to expose students to multiple types of text; including but not limited to: articles, novels, poetry, short stories, art, media, music and current events.

English 8 AA

Grades Level: 8

Prerequisite: English 7

2 Semesters

This course will cover skills in reading comprehension & analysis, argumentative and explanatory writing, creative writing, speaking & listening, and non-fiction analysis through thematic units structured to expose students to multiple types of text; including but not limited to: articles, novels, poetry, short stories, art, media, music and current events.

English 9 AA

Grades Level: 9

Prerequisite: English 8

2 Semesters

1.0 HS English Credit

This course introduces various text types beyond the “traditional” literary text and in a student-centered learning environment. Students have the opportunity to engage in their reading with text analysis and evidence citation, in their writing with critical response and analysis, in technology with the use of digital text and multimedia resources, and in listening and speaking with inspiring and thoughtful discussion and debate. Students will make connections to real-world experiences while demonstrating proficiency of the writing process through routine writing tasks and larger research-based projects.

English 10 AA

Grade Level: 10

Prerequisite: English 9

2 Semesters

1.0 HS English Credit

This course continues the student-centered learning environment, while expanding their knowledge of and deepening their skills in text analysis and critical response. This course is designed to prepare students for advanced ELA courses, such as AP English Language and Composition or AP Literature and Composition. Students prepare writing portfolios and projects for evaluation and assessment.

English 11 AA (American Literature)

Grade Level: 11

Prerequisite: English 10

2 Semesters

1.0 HS English Credit

This course studies literature and other texts to develop students’ critical analysis skills in reading, writing, and speaking in preparation for post-secondary studies. This course fosters the idea of using literature to understand the human experience and to make connections with others. Students prepare writing portfolios and research projects for evaluation. Introduction to the Common App is included in this course.

English 12 AA (British and World Literature)

Grade Level: 12

Prerequisite: English 11

2 Semesters

1.0 HS English Credit

This course continues the study of literature and other texts with a more in-depth use of critical analysis skills in reading, writing, and speaking in order to prepare the students for post-secondary studies. This course fosters the idea of using literature to understand the human experience and to make connections with others. Students prepare writing portfolios and research projects for evaluation and assessment. The Common App and college essays will be included in this course.

African American Literature

Grade Level: 11-12

Prerequisite: English 10

2 Semesters

1.0 HS English Credit

This course explores all aspects of Black literature, music, art, and poetry while teaching the rigorous English Language Arts skills needed for graduation requirements as well as post-secondary English courses. Students will write arguments, research papers, poetry, and narratives while reading a variety of texts.

AP Literature and Composition (offered every other year on even graduation years - next offering 2023-24)

Grade Level: 11-12

Prerequisite: English 10 and Instructor Approval

2 Semesters

1.0 HS English Credit

AP English Literature and Composition is a college-level literary analysis course. Students work to cultivate their understanding of literature as they explore concepts like character, setting, structure, perspective, figurative language, and literary analysis/argumentation in the context of multiple and varied literary works. This course prepares students for the AP Literature & Composition Exam.

AP Language and Composition (offered every other year on odd graduation years - next offering 2024-25)

Grade Level: 11-12

Prerequisite: English 10 and Instructor Approval

2 Semesters

1.0 HS English Credit

This advanced course is centered around the reading and writing standards in Ohio's Learning Standards for English Language Arts. It is designed to develop the writing and language skills students need for success in their secondary school program, in their daily lives, and in a global society. Students will compose oral, written, and media text consisting of organized subject matter and experiences emphasized in English. The course prepares students to take the AP Language and Composition Exam.

Speech and Debate (offered every other year on even graduation years - next offering 2023-24)

Grade Level: 11-12

Prerequisite: English 10

1 Semester

0.5 HS Elective Credit

Students will learn the basics for effective and confident public speaking and then move into effective rhetorical writing and debate. Students will learn to look at a topic from all angles and be able to argue as such. This course is great for students looking to break out of their shells, or those who are looking into career paths that will include any level of public speaking. This course is an elective and does not meet the ELA (4 years) graduation requirements.

Dystopian Fiction (offered every other year on even graduation years - next offering 2023-24)

Grade Level: 11-12

Prerequisite: English 10

1 Semester

0.5 HS Elective Credit

This English elective will explore the vast genre of dystopian fiction and use it as a comparative study to the real world around us. Students will read novels, poetry, and current event articles to discuss and evaluate how this genre can be a mirror for reality. Students will read, write and speak about writing styles, historical allusion, and author's style as we dive into other worlds that just might mimic our own. This course is an elective and does not meet the ELA (4 years) graduation requirements.

Creative Writing (offered every other year on odd graduation years - next offering 2024-25)

Grade Level: 11-12

Prerequisite: English 10

1 Semester

0.5 HS Elective Credit

This course will provide instruction in creative writing through a variety of styles including, but not limited to, poems, stories, songs, viewpoints, and descriptive writing. Journals will be kept and portfolios will be maintained throughout the class. This course is an elective and does not meet the ELA (4 years) graduation requirements.

Film and Literature (offered every other year on odd graduation years - next offering 2024-25)

Grade Level: 11-12

Prerequisite: English 10

1 Semester

0.5 HS Elective Credit

Students will read, watch, review, and analyze various literary adaptations as they go from the written word on the page (short stories, novels, memoirs, etc.) to the spoken word on the big screen. Students will walk away with a better understanding of both film and literature as explored through the lenses of literary elements and cinematic techniques. This course is an elective and does not meet the ELA (4 years) graduation requirements.

Mathematics

STEM Education

Grade Level: 7-8

Prerequisite: None

1 Semester

Intro to Engineering introduces students to fundamental engineering concepts and scientific principles of engineering design. Students focus on how to apply scientific and mathematical concepts to the development of plans, processes, and projects that address real world problems within diverse STEM career paths. The importance of math and critical thinking is highlighted through challenging and enjoyable activities.

Math 7 AA

Grade Level: 7

Prerequisite: Math 6

2 Semesters

In this course, students will explore a variety of mathematical concepts, including: ratios & proportional relationships, the number system (rational numbers), numerical & algebraic expressions & equations (equivalent expressions), geometry (geometrical figures), as well as probability & statistics (sampling, distributions, etc.). Students will develop their problem solving skills as they apply these concepts to solve real-world mathematical problems.

Math 8 AA

Grade Level: 8

Prerequisite: Math 7

2 Semesters

In this course, students will explore a variety of mathematical concepts, including: the number system (irrational numbers), numerical & algebraic expressions & equations (radicals, linear equations, etc.), functions, geometry (congruence, Pythagorean Theorem, etc.), as well as probability & statistics (bivariate data). Students will develop their problem solving skills as they apply these concepts to solve real-world mathematical problems.

Pre Algebra AA

Grade Level: 7

Prerequisite: Math 6 and Instructor Approval

2 Semesters

Pre Algebra is a compacted course that focuses on the critical components of both 7th and 8th grade math standards in one year. After successful completion of this course, students will be ready for Algebra I. Students should have strong math and problem solving abilities, as well as a strong work ethic in order to learn at a quick instructional pace. The content will focus on these critical areas: (1) formulating and reasoning about expressions, inequalities and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations; (2) grasping the concept of a function and using functions to describe quantitative relationships; (3) analyzing two- and three-dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem.

Algebra 1 AA

Grade Level: 8-9

Prerequisite: Math 8 or Pre Algebra

2 Semesters

1.0 HS Math Credit

This course is designed to emphasize the study of multiple representations of linear and nonlinear functions. It includes mathematical concepts for working with rational numbers, various expressions, analyzing and solving linear equations & inequalities, data analysis, probability, statistics, and polynomials. Students will use hands-on materials and calculators when needed in solving problems where the algebra concepts are applied.

Geometry AA

Grade Level: 9-10
Prerequisite: Algebra I
2 Semesters
1.0 HS Math Credit

This course is designed to emphasize the study of the properties and applications of common geometric figures in two and three dimensions. It includes the study of transformations and right triangle trigonometry. Inductive and deductive thinking skills are used in problem solving situations, and applications to the real world are stressed. It also emphasizes writing proofs to solve (prove) properties of geometric figures.

Algebra 2 AA

Grade Level: 10-11
Prerequisite: Geometry
2 Semesters
1.0 HS Math Credit

This course is designed to build on algebraic and geometric concepts. It develops advanced algebra skills such as systems of equations, advanced polynomials, imaginary and complex numbers, quadratics, and concepts and includes the study of trigonometric functions. It also introduces matrices and their properties. The content of this course is important for students' success on both the ACT and college mathematics entrance exams.

Statistics and Probability

Grade Level: 11-12
Prerequisite: Algebra I, Geometry, and Algebra II or Instructor Approval
2 Semesters
1.0 HS Math Credit

This course introduces probability and statistics. Topics include: basic combinatorics, random variables, probability distributions, Bayesian inference, hypothesis testing, confidence intervals, and linear regression.

Geometry in Art

Grade Level: 9-12
Prerequisite: Algebra I
1 Semester
0.5 HS Elective Credit

This course is an investigation of the connections between mathematics, art, and design. Students will apply mathematical concepts to art, architecture, and design outcomes through project-based learning with an emphasis on mathematical inquiry and discovery. Topics will vary depending on the interests of the students, but may include: symmetry, transformations, tessellations, proportions, and various types of perspective.

CCP MAT 1470- College Algebra

Grade Level: 11-12
Prerequisite: Sinclair Application process/admittance completed prior to deadline, Instructor Approval.
1 Semester
1.0 HS Math Credit AND 3 Sinclair Credits

This course is taught by a Spencer educator and through Sinclair College. This course explores polynomial, radical, rational, exponential and logarithmic functions and their graphs, roots of polynomial functions, rational and polynomial inequalities, systems of linear and nonlinear equations, matrices, and applications.

CCP MAT 1580 - Precalculus

Grade Level: 11-12
Prerequisite: Sinclair Application CCP process/admittance completed prior to deadline, Instructor Approval.
2 Semesters
1.0 HS Math Credit AND 5 Sinclair Credits

This course is taught by a Spencer educator and through Sinclair College. This course explores polynomial, radical, rational, exponential, and logarithmic functions and their graphs, roots of polynomial functions, rational and polynomial inequalities, conic sections, systems of linear equations, and sequences and series. Then students explore trigonometric functions of angles, solving right and oblique triangles, trigonometric identities and equations, vectors, radian measure, graphs of trigonometric functions, and inverse trigonometric functions and applications.

Music

Intermediate Band

Grades: 7-8

Prerequisite: Instructor Approval (certain baseline skills/techniques required)

2 Semesters

1.0 HS Fine Arts Credit

Students will learn how to perform music of various meters and styles, including but not limited to, 4/4, 3/4, 2/4, and 6/8 time. Likewise, students will learn how to play musically in a variety of keys such as B-Flat, E-Flat, F, and A-Flat Major. Finally, students will begin to focus on not just their individual sound, but also the overall sound of the ensemble, focusing on details like dynamics, alignment, and articulation.

Concert Band

Grades: 9-12

Prerequisite: Instructor Approval (certain baseline skills/techniques required)

2 Semesters

1.0 HS Fine Arts Credit

Students will demonstrate musicality and attention to detail in every piece they play, moving past notes and rhythms, and focusing on the details that make music come to life. Students will be exposed to asymmetrical meters, unusual key signatures, and challenging music that tests their technical and musical abilities. **Students are expected to practice outside of class!**

Beginning Strings

Grade Level: 7-12

Prerequisite: None

2 Semesters

1.0 HS Fine Arts Credit

This course introduces and drills the basic skills of playing a stringed instrument (violin, viola, cello, or bass). Emphasis is placed on the student's ability to produce a good tone, play in first position on all four strings, and have basic skills in reading music. Students will perform as an ensemble in at least one public concert. Students will be provided instruments (supply permitting) or students may rent an instrument from local shops. Any supplies needed for rehearsal and performance will be provided by the district. Performance attire is a white dress shirt, a black knee-length or longer skirt or black dress pants, and black dress shoes/socks.

Intermediate String Orchestra

Grade Level: 7-12

Prerequisite: Instructor Approval (certain baseline skills/techniques required)

2 Semesters

1.0 HS Fine Arts Credit

This ensemble continues the development of skills learned in Beginning Strings. Emphasis is placed on proper bow hold and strengthening left hand technique along with ensemble playing. Students will perform as an ensemble in at least two public concerts. Students will be provided instruments (supply permitting) or students may rent an instrument from local shops. Any supplies needed for rehearsal and performance will be provided by the district. Performance attire is a white dress shirt, a black knee-length or longer skirt or black dress pants, and black dress shoes/socks. **Students are expected to practice outside of class!**

Music Theory

Grade Level: 9-12

Prerequisite: None

2 Semesters

1.0 HS Fine Arts Credit

In this course, students will learn not only how to read music, but also how it is structured in the western hemisphere. They will learn the rules to part-writing (why music is organized in a specific order) and be able to create their own rudimentary compositions. This course will begin with the basics (reading notes and rhythm) and progress through learning major scales, intervals, triads, inversions, and 7th chords, culminating in Roman Numeral analysis and basic part-writing.

Physical Education & Health

Senior High Health

Grade Level: 9

Prerequisite: None

1 Semesters (1 semester Health)

0.5 HS Health Credit

Students will spend a semester doing educational activities that promote understanding, attitudes, and practices consistent with individual, family, and community health needs.

Physical Education, Semester

Grade Level: 9-12

1 Semester

0.25 HS P.E. Credit

Students will spend one semester participating in activities that will incorporate fundamental motor skills, body control, balance, and physical fitness. They will also learn appropriate skills for leisure sport and games, cognitive functioning, and stress management.

Fall Semester Sports Units: Flag Football, Disc Golf, Volleyball, Floor Hockey, Basketball, Kickball

Spring Semester Sports Units: Tennis, Bowling, Lacrosse, Soccer, Yard Games, Baseball

** It is recommended that students enrolling in this class enroll in the opposite semester than the one taken in conjunction with health.*

Physical Fitness

Grade Level: 10-12

Prerequisite: Completed 1 Semester of Physical Education, Access to IHT Heart Rate Monitor

1 Semester

0.25 HS P.E. Credit

Daily involvement is emphasized in an exercise program stressing development of strength, flexibility, and endurance of various muscle groups; body balance; coordination and cardiovascular efficiency. A pre-test and post-test are given so that each student knows the gains made in each area listed above.

**Students will either have to purchase an IHT Heart Rate Monitor for personal use or have access to one from the school that will be lent out to them for use during the semester.*

Science

Science 7 AA

Grade Level: 7

Prerequisite: Science 6

2 Semesters

Students will build upon key concepts learned in prior grades, building a stronger foundational understanding in life science and physical science. Students will learn lab safety and enhance their understanding of content by running experiments and participating in Challenge- Based or Problem Based Learning experiences.

Science 8 AA

Grade Level: 8

Prerequisite: Science 7

2 Semesters

Students will build upon key concepts learned in prior grades, building a stronger foundational understanding in life science, physical science and earth science. Students will learn lab safety and enhance their understanding of content by running experiments and participating in Challenge- Based or Problem Based Learning experiences.

Biology AA

Grade Level: 9

Prerequisite: Science 8

2 Semesters

1.0 HS Science Credit

An introduction to the unifying principles of life with emphasis on cell structure and function, heredity, the interdependence of life, and evolution. Laboratory is designed to reinforce lecture topics and develop analytical skills essential to the practice of biology.

Chemistry AA

Grade Level: 10

Prerequisite: Students should have successfully completed or be concurrently taking Algebra I.

2 Semesters

1.0 HS Advanced Science Credit

Chemistry explores how the molecular structure of matter interacts, combines or changes over time. Laboratory work reinforces concepts in lecture, and also provides a review of fundamental topics that are essential for future coursework in science.

Environmental Science

Grade Level: 11-12

Prerequisite: Biology and Chemistry

1 Semester

0.5 HS Advanced Science Credit

Environmental science is a project-based, interdisciplinary exploration of our Earth and how we impact it. It includes many aspects of biology, earth and atmospheric sciences, fundamental principles of chemistry and physics, human population dynamics, and an appreciation for the Earth and its natural resources.

Astronomy

Grade Level: 11-12

Prerequisite: Biology and Chemistry

1 Semester

0.5 HS Advanced Science Credit

Astronomy is the study of the solar system. This introductory course will provide the student with an overview of the scientific method, the universe and the conditions, properties, and motions of bodies in space. In addition, The content will include a historical perspective of astronomy and instruments used to discover solar bodies.

Science of Cooking

Grade Level: 11-12

Prerequisite: Biology and Chemistry

1 Semester

0.5 HS Advanced Science Credit

The Science of Cooking course is a hands-on class designed to look at cooking from a scientific lens. Students will conduct edible experiments and use the scientific method to explore the cooking process i.e. biological and chemical reactions occurring between components in defined food systems.

Forensic Science

Grade Level: 11-12

Prerequisite: Biology and Chemistry

1 Semester

0.5 HS Advanced Science Credit

Forensic Science is the application of science within the criminal justice system. Students are taught proper collection, preservation, and analysis of samples, learning to use lab techniques such as DNA extraction, gel electrophoresis, chromatography, and more as they analyze many types of evidence found at crime scenes.

AP Biology (offered every other year on even graduation years - next offering 2023-24)

Grade Level: 11-12

Prerequisite: Biology, Chemistry, Algebra I, and Instructor Approval

2 Semesters

1.0 HS Advanced Science Credit

The AP Biology course is equivalent to a two-semester college introductory biology course for biology majors. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, ecology, and interactions.

AP Physics I (offered every other year on even graduation years - next offering 2023-24)

Grade Level: 11-12

Prerequisite: Geometry, be concurrently taking Algebra II or an equivalent course, and Instructor Approval

2 Semesters

1.0 HS Advanced Science Credit

AP Physics I is the equivalent of a first-semester introductory college course in algebra-based physics. Students cultivate their understanding of Physics through inquiry-based investigations as they explore these topics: kinematics; dynamics; circular motion and gravitation; energy; momentum; simple harmonic motion; torque and rotational motion; electric charge and electric force; DC circuits; and mechanical waves and sound.

AP Environmental Science (offered every other year on odd graduation years - next offering 2024-25)

Grade Level: 11-12

Prerequisite: Biology, Chemistry, Algebra I, and Instructor Approval

2 Semesters

1.0 HS Advanced Science Credit

The AP Environmental Science course is the equivalent of a one-semester introductory college course in environmental science. This interdisciplinary course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them.

AP Chemistry (offered every other year on odd graduation years - next offering 2024-25)

Grade Level: 11-12

Prerequisite: Chemistry, Algebra 2, and Instructor Approval

2 Semesters

1.0 HS Advanced Science Credit

The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore content such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium.

Social Studies

Social Studies 7 AA Ancient World History

Grades Level: 7

Prerequisite: Social Studies 6

2 Semesters

This course covers the ancient world from Ancient Greece through the Age of European Exploration, studying: Ancient Greece, Ancient Rome, Islamic Empires, West African Kingdoms, Asian Empires, and Europe from the Middle Ages through the Age of Exploration. Students analyze and critique historical sources to explore people, their beliefs, their actions, and the results of their actions, making connections between past events and current issues. Students will participate in Ohio History Day as part of this course.

Social Studies 8 AA Early American History

Grades Level: 8

Prerequisite: Social Studies 7

2 Semesters

This class covers the first part of US history: the American continents and European colonization through the Reconstruction Era. Students will collaborate with others as they explore topics including: Native American cultures, exploration, the slave trade, the American Revolution, the War of 1812, the early Industrial Revolution, the Civil War, and Reconstruction. Students will participate in Ohio History Day as part of this course.

Modern World History AA

Grades Level: 9

Prerequisite: Social Studies 8

2 Semesters

1.0 HS SS Credit

This course will cover world history from the Renaissance to the present, directing students to think critically about the various forces that combined to shape the world today. Emphasis will be placed on geographic impact, the development of civic knowledge/responsibilities, and emerging economic systems within a chronological context. Students will participate in Ohio History Day as part of this course.

American History AA

Grade Level: 10

Prerequisite: Modern World History

2 Semesters

1.0 HS SS Credit

This course takes students from Reconstruction, post Civil War, through the election of President Obama. Students will respond through writing and discussions to information presented in readings, videos, and more. Students will interact with numerous primary sources as they become independent thinkers charged with creating effective policy decisions and challenged to evaluate contradictory information about historic events.

American Government AA

Grade Level: 11

Prerequisite: American History

2 Semesters

1.0 HS SS Credit

This course acquaints students with the origins, concepts, organizations, and policies of the US government and political system. Students will read and analyze relevant primary and secondary source documents including the Declaration of Independence and the US Constitution. The class also deals with issues of civic engagement, civil rights and liberties, the role of the government in the economy, and political ideologies.

Financial Literacy

Grade Level: 12

Prerequisite: American History

1 Semester

0.5 HS SS Credit

Students gain skills and concepts needed for personal and financial responsibility related to financial planning, savings, investments, and charitable giving in the global community. Students explore the relationship between income and careers, money management, credit and debt management, risk management and investing, protecting assets and insurance, taxes, and becoming a critical consumer.

AP United States Government and Politics

Grade Level: 11

Prerequisite: American History

2 Semesters

1.0 HS SS Credit

This college level course will give students an analytical perspective on US government and politics. Students study both general concepts as well as specific examples to explore various institutions, groups, beliefs, and ideas that constitute U.S. politics. Political theory and everyday practices that direct the daily operation of our government and shape our public policies will be explored. The AP exam is a requirement of the course.

AP Human Geography (offered every other year on even graduation years - next offering 2023-24)

Grade Level: 9-12

Prerequisite: Instructor Approval

2 Semesters

1.0 HS SS Credit

This is a college level intro to geographic perspectives on human society. Students consider local, national, and international implications as they study human interactions and their settings through spatial, human environment, and regional traditions. Students analyze populations, land usage, urban development, cultural distribution, and human organization through spatial relations. The AP exam is a requirement of the course.

AP US History

Grade Level: 10-12

Prerequisite: American History and Instructor Approval

2 Semesters

1.0 HS SS Credit

AP U.S. History is designed to provide students with a college-level intro into the history of our nation. Students will learn to assess historical materials – their relevance to a given interpretive problem, reliability, and importance – and to weigh the evidence and interpretations presented in historical scholarship. The course also features an extensive amount of writing assessments. The AP exam is a requirement of this course.

AP Psychology (offered every other year on odd graduation years - next offering 2024-25)

Grade Level: 11-12

Prerequisite: American History and Instructor Approval

2 Semesters

1.0 HS SS Credit

The purpose of AP Psychology is to introduce the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each major subfield within psychology. Students also learn about the ethics and methods psychologists use in their science and practice. The AP exam is a requirement of this course.

AP African American Studies (This is a Pilot CPS course) **

Grade Level: 11-12

Prerequisite: Instructor Approval

2 Semesters

1.0 HS SS Credit

The course is designed to offer high school students a college level introduction to African American studies. The interdisciplinary course reaches into a variety of fields—literature, the arts and humanities, political science, geography, and science—to explore the vital contributions and experiences of African Americans.

***For the year 2023-2024, students who take this course will not take the AP exam and will not receive college credit upon completion.*

World Languages

Latin I

Grades Level: 7-9

Prerequisite: Students must show proficiency in a native language

2 Semesters

1.0 HS Language Credit

In this course, students will build Novice-level proficiency in reading, writing, speaking, and listening comprehension by communicating in Latin about familiar topics; such as people, families, homes, school, and common activities; and aspects of ancient, medieval, and modern Latin-speaking and Latin-writing cultures; such as myths, fables, and daily life. By the end of the course, students will be expected to show at least Novice-High interpretive reading and listening proficiency and Novice-Mid presentational speaking and writing proficiency using memorized vocabulary and formulaic phrases within a narrow range of highly familiar communicative contexts.

Latin II

Grades Level: 7-10

Prerequisite: Latin I or equivalent proficiency

2 Semesters

1.0 HS Language Credit

In this course, students will continue to build Novice-level proficiency in reading, writing, speaking, and listening comprehension by communicating in Latin about familiar topics; such as people, families, homes, school, and common activities; and aspects of ancient, medieval, and modern Latin-speaking and Latin-writing cultures; such as myths, fables, and daily life. By the end of the course, students will be expected to show at least Intermediate-Low interpretive reading and listening proficiency and Novice-High presentational writing and speaking proficiency using familiar vocabulary and phrases within a growing number of very familiar communicative contexts.

Latin III

Grades Level: 8-11

Prerequisite: Latin II or equivalent proficiency

2 Semesters

1.0 HS Language Credit

In this course, students will build Intermediate-level proficiency in reading, writing, speaking, and listening comprehension by communicating in Latin about a growing number of topics and contexts, especially those related to Latin-speaking cultures, such as myths, fables, and notable figures and events from history. By the end of the course, students will be expected to show at least emerging Intermediate-Mid interpretive reading and listening proficiency and Intermediate-Low presentational writing and speaking proficiency within a growing number of communicative contexts.

Latin IV

Grades Level: 9-12

Prerequisite: Latin III or equivalent proficiency

2 Semesters

1.0 HS Language Credit

In this course, students will continue to build Intermediate-level proficiency in reading, writing, speaking, and listening comprehension by communicating in Latin about a growing number of topics and contexts that are familiar and of interest to students. The focus of student communication will be extensive reading of unadapted Latin texts from ancient, medieval, and modern authors. By the end of the course, students will be expected to show consistent Intermediate-Mid interpretive reading and listening proficiency and emerging Intermediate-Mid presentational writing and speaking proficiency within a growing number of communicative contexts.

Latin V/VI

Grade Level: 10-12

Prerequisite for Latin V: Latin IV or equivalent proficiency, and Instructor Approval

Prerequisite for Latin VI: Latin V or equivalent proficiency, and Instructor Approval

2 Semesters

1.0 HS Language Credit

In this course, students will continue to build high Intermediate-level proficiency in reading, writing, speaking, and listening comprehension by communicating in Latin about a wide number of topics and in contexts that are familiar and of interest to students. The course will be conducted in Latin. The focus of student communication will be extensive reading of unadapted Latin texts from ancient, medieval, and modern authors. Because readings and topics covered will vary from year to year, students who have completed Latin V may retake this course as Latin VI. By the end of the course, students in Latin V will be expected to show Intermediate-High interpretive reading and listening proficiency and Intermediate-Mid presentational writing and speaking proficiency within an ever growing number of communicative contexts. Students in Latin VI will be expected to show strong Intermediate-High or emerging Advanced-Low interpretive reading and listening proficiency, and emerging Intermediate-High presentational writing and speaking proficiency across a wide range of communicative contexts. Students in this course are encouraged to sit for the ALIRA Latin Reading Test to qualify for the foreign-language component of Ohio Seal of Biliteracy.

Spanish I

Grades Level: 7-12

Prerequisite: Students must show proficiency in a spoken native language

2 Semesters

1.0 HS Language Credit

In this course, students will build Novice-level proficiency in reading, writing, speaking, and listening comprehension by communicating in Spanish about familiar topics; such as people, families, homes, school, and common activities; and aspects of Spanish-speaking cultures; such as fables, celebrations, the arts, and daily life. By the end of the course, students will be expected to show at least Novice-High interpretive reading and listening proficiency and Novice-Mid presentational speaking and writing proficiency using memorized vocabulary and formulaic phrases within a narrow range of highly familiar communicative contexts.

Spanish II

Grades Level: 7-12

Prerequisite: Spanish I or equivalent proficiency

2 Semesters

1.0 HS Language Credit

In this course, students will continue to build Novice-level proficiency in reading, writing, speaking, and listening comprehension by communicating in Spanish about familiar topics; such as people, families, homes, school, and common activities; and aspects of Spanish-speaking cultures; such as fables, celebrations, the arts, and daily life. By the end of the course, students will be expected to show at least Intermediate-Low interpretive reading and listening proficiency and Novice-High presentational writing and speaking proficiency using familiar vocabulary and phrases within a growing number of familiar communicative contexts.

Other

Senior Project

Grades Level: 11-12

Prerequisite: Instructor approval

1 or 2 Semesters

0.5 or 1.0 HS Elective Credit

This course serves as an independent study of a selected subject area. Students will work under the supervision of their mentor teacher to plan and complete a subject-related passion project. The objective of this passion project should focus on advancing their exploration of the subject area and applying that advanced content mastery to solve a real-world issue and/or develop skills that will be used in a professional field. Students will be graded on their daily agency as well as their project execution, using rubrics developed and agreed upon by the teacher and mentee.

**Note: Students must submit proposals for senior projects to mentor teachers for eligibility and approval prior to being optioned into this course. Teachers will only approve 1 senior project per bell that they teach.*

Career Search

Grades Level: 11-12

Prerequisite: none

1 Semester

0.5 HS Elective Credit

In this course, students investigate how classroom learning translates into marketable skills. Through hands-on learning and local business involvement, students will engage in career-related experiences to acquire basic skills in various career fields. This provides students with tangible experiences to begin career decision making.

GRADUATION REQUIREMENTS

A. SPENCER OVERALL MINIMUM GRADUATION REQUIREMENTS

1. 22 credits earned in grades 9-12
2. Minimum of six credit hours per semester. (Must have administrator and counselor approval to have less hours due to course load)

B. SPENCER SPECIFIC COURSE MINIMUM GRADUATION REQUIREMENTS

English: Students must complete 4 years of high school English - English 9, English 10, and 2 other English credits (offered options: English 11, English 12, AP English Language and Composition, AP English Literature and Composition, or African American Literature)

Fine Arts: One Fine Art credit is required in grades 9-12, which could be in Music or Visual Arts.

Mathematics: Algebra I, Geometry, Algebra II/Probability & Statistics and one more year. Students must complete four years (4 credits) of high school math, with the 4th Math class being a Level 4 Math requirement.

Physical Education & Health: Senior High Health (1 sem) in grades 9 -12 and Two semesters of Physical Education are required in grades 9-12 for high school graduation requirements. Students may opt out of their second semester of physical education by submitting a waiver after successfully completing 2 seasons of interscholastic athletics, marching band, cheerleading, or show choir between 9th-11th grade (see guidance counselor for details).

Science: Biology (grade 9), Chemistry (grade 10) and a third elective science credit are required.

Social Studies: Modern History 9, American History 10, one semester of Economics and one of Government (both semesters satisfied by the required year-long Government or AP Government courses)

World Languages: All Spencer Center students must take at least three consecutive credit-earning years of Latin in order to graduate. Three successful years of a foreign language are required to earn the Honors Diploma from the state of Ohio (in a sequential and proficiency-based language program)

- In order to earn an Honors diploma
 - Students who enter as 11th graders are required to take 2 years of Latin
 - Students who enter as 12th graders are required to take 1 year of Latin
 - Students who enter with two complete years of Spanish, may take the Spanish equivalent to complete their three year foreign language requirement (to fulfill the Honors diploma requirement), if available, and then must begin taking their Latin course of study, or may be scheduled for Latin and Spanish concurrently
- Students who have completed FLEX courses in a foreign language (Foreign Language Exploratory Classes) will not count towards graduation requirements
- Students who have completed FLES courses in a foreign language (Foreign Language in an Elementary School) may count towards graduation requirements, if they satisfy a full year of foreign language credits

C. ADDITIONAL STATE OF OHIO GRADUATION REQUIREMENTS

Ohio's new high school graduation requirements give your student more flexibility to choose a graduation pathway that builds on their strengths and passions. Check out our district and/or state "Graduation Requirements" pages for guidance to ensure your student selects which pathway works best for them:

- <https://www.cps-k12.org/graduation>
- <https://education.ohio.gov/Topics/Ohio-s-Graduation-Requirements/Ohio%E2%80%99s-Graduation-Requirements>