



ST. HENRY

DISTRICT HIGH SCHOOL

Course Descriptions 2026-2027



CURRICULUM GUIDELINES

Pre-College Curriculum

If a student plans to attend a four-year Kentucky public university, they must fulfill the basic graduation requirements, as well as accumulate a minimum of 24 credits. These credits include seventeen required credits plus seven electives. Electives should be in social studies, science, mathematics, English, arts and humanities, and two credits of a world language.

Placement

Placement in particular courses and in Honors courses is based on grades in prerequisite courses.

Following are the SHDHS graduation requirements and the Pre-College curriculum:

<u>SUBJECT</u>	<u>CREDITS</u>	<u>COURSE REQUIREMENT</u>
English	4	English I, II, III, and IV
Social Studies	3	Credits to incorporate World History, US History, Economics and Government
Mathematics	4	Students are required to take a Mathematics course each year (credits must be earned in Algebra I, Geometry, and Algebra II)
Science	3	Biology, and Chemistry, 1 additional
Health	½	
Physical Education	½	
Fine Arts	1	Visual or Performing arts
Religion	4	Religion I, Religion II, Religion III, and Religion IV
*World Languages	2	Two years of the same World Language or demonstrated proficiency for the Pre-College curriculum
**Financial Literacy	1	Beginning with the graduating class of 2029 a full credit of Financial Literacy will be required due to State requirement.

ORDER OF DEPARTMENTS

AAIMS

ARTS (PERFORMING)

ARTS (VISUAL)

BUSINESS

ENGLISH

HEALTH AND PHYSICAL EDUCATION

MATHEMATICS

RELIGION

SCIENCE

SOCIAL STUDIES

TECHNOLOGY

WORLD LANGUAGES

OTHER

BOONE COUNTY AREA TECHNOLOGY CENTER

DUAL CREDIT

AAIMS

Academic Achievement through Intervention, Mentoring, and Support

AAIMS

Credit: 1

Suggested Grade Level: 9-12

Prerequisite: Academic testing, a referral from the AAIMS Committee and/or prior school's recommendation

The Academic Achievement through Intervention, Mentoring, and Support (AAIMS) Program serves students who have been identified as having a mild to moderate disability including but not limited to: cognitive, medical, psychological, or physical conditions that may interfere with their academic performance. The emphasis of the AAIMS Program is to support students during high school to prepare them to succeed in their post-secondary transition by supporting them in: grammar, math calculation, math problem-solving skills, reading comprehension, time management, self-advocacy skills, and study habits. Students may qualify for the course based on the results of their academic testing, the recommendation of the AAIMS committee, or a recommendation from their prior school. The AAIMS committee consists of the AAIMS teachers, school counselors, core content teachers, and an administrator. A student may earn up to four credits in AAIMS.

ARTS (PERFORMING)

Cru Choir

Credit: 1

Suggested Grade Level: 9-12

Prerequisite: None

Cru Choir is a year-long fine arts course open to all students who are interested in singing—whether they are experienced vocalists or just beginning to discover their voice. This class may be taken all four years of high school and is designed to foster growth, confidence, and joy through music in a warm and welcoming environment.

Students will develop foundational and advanced vocal skills, including proper breathing techniques, tone production, pitch accuracy, and ensemble singing. Instruction includes learning how to read sheet music, understanding basic music theory, and building performance skills. Repertoire will span a variety of musical styles, encouraging students to express themselves artistically while growing as musicians and collaborators.

There are two required evening concerts each year—one in the winter and one in the spring—where students showcase their learning and celebrate their hard work. There are no written tests or homework assignments; grades are participation-based, emphasizing effort, engagement, preparation, and teamwork.

Cru Choir provides students with the opportunity to glorify God through music, build community, and develop lifelong musical skills in a supportive and faith-filled setting.

Chamber Choir

Credit: 1

Suggested Grade Level: 9-12

Prerequisite: Chorus, or previous experience, and audition

Chamber Choir is an auditioned, select choir that is geared toward those students with singing and choral experience and advanced vocal skills. Special attention is given to rudiments of correct singing and choral blend, sight-reading skills, and simple elements of music theory. An important focus of this choir is ministry; Chamber Choir often visits local churches and establishments for liturgies and concerts outside of school hours. Students will also participate in three annual evening choral concerts as well as all-school liturgies and other school functions throughout the year. Students may earn up to four credits in choir.

Beginning Band (Cadet Band)

Credit: 1

Suggested Grade Level: 9-12

Prerequisite: None

This performance-based instrumental music group is for students interested in learning to play a band instrument and perform in public. No previous musical experience is necessary. Students are required to provide their own instrument (rent, purchase or borrow), method book(s), and 3-ring binder. Beginning band students may select from the following instruments: flute, clarinet, saxophone, trumpet, trombone, baritone, tuba, percussion. School-owned baritones and tubas may be used and are available on a first come basis. Beginning band students are required to perform at two after-school concerts (Christmas and Spring concerts). Grades are based on in-class

participation and performance, concert participation, and the application of musical knowledge.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

Advanced Band (Crusader Band)

Credit: 1

Suggested Grade Level: 9-12

Prerequisite: Beginning Band, or prior experience, and audition

This performance-based instrumental music group is for students committed to continued musical growth and public performance. Students are required to provide their own instrument (rent, purchase or borrow), method book(s), and 3 ring binder. Advanced Band instrumentation is flute, clarinet, bass clarinet, saxophone(s), trumpet, trombone, French Horn, baritone, tuba, percussion and electric bass. (school-owned baritones and tubas may be used and are available on a first come basis). Advanced band students are required to perform at 2 – 3 after school concerts. Advanced Band also performs at several after-school athletic events plus in-school assemblies (i.e. Veterans Day). Grades are based on in-class performance and participation, concert participation and performance, and the application of musical knowledge. Students may earn up to four credits in band.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

Drama I

Credit: 1

Suggested Grade Level: 9-12

Prerequisite: None

Drama class is open to all students who are interested in the performing and dramatic arts. Students will study the development of drama from its origins in Greece, through the middle ages, and up to the time of Shakespeare where students are required to perform one monologue. Students will also study pantomime, oral interpretation, storytelling, developing a character, acting, directing, technical theater, and musical theater. Students will be expected to perform various skills in front of their classmates. Drama students are also required to audition for one of the SHDHS plays; however, they do not have to participate as actors in the play itself. Drama students will be required to put in after-school hours each semester in assisting with or participating in the fall musical and the spring play. For the musical, a total of 10 hours are required throughout the course of the production process (spanning from beginning of September to mid November), and the spring play a total of 7 hours are required throughout the production process (spanning from mid January to late March/Early April.)

ARTS (VISUAL)

Art I

Credit: 1

Suggested Grade Level: 9-12

Prerequisite: None

This course is for the student who has an interest in the visual arts, yet minimal art experience or little or no formal art training. The student will explore many processes, concepts, and artistic principles. Students will then be able to move on to specific interest areas in the art curriculum. Techniques introduced in Art I include but are not limited to, a variety of traditional drawing techniques, painting, printmaking, digital art, and ceramics.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

Art II - Drawing and Painting

Credit: 1

Suggested Grade Level: 10-12

Prerequisite: Art I

Focusing on enhancing and strengthening the student's drawing and rendering skills, Art II will introduce new, formal drawing concepts, as well as introducing the students to acrylic painting. Students will further develop their drawing and painting skills while exploring a wide variety of mediums. Students will explore composition and expression while experimenting with media. Realism will be stressed until personal imagery can be developed.

*Art I students in grades 10 or 11 may request with the teacher to have a portfolio review to forgo this course and enroll in ART III or AP ART.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

Art II - Art of Media Technology

Credit: 1

Suggested Grade Level: 10-12

Prerequisite: Art I Teacher Recommendation

Art of Media Technology is a full year course that offers basic instruction in digital art, photography, graphic design, and audio visual fundamentals. The course will build on Art I skills such as composition, contrast, craftsmanship, and creativity. Art of Media Technology students are encouraged and expected to develop foundational skills required for the digital media industry. These concepts will include lessons involving digital creation, editing, visual literacy, artistic and creative liberties and ethics. This class is not required for graduation but does have a prerequisite of Art I and teacher recommendation.

*Art I students in grades 10 or 11 may request to have a portfolio review with the teacher to forgo this course and enroll in ART III or AP ART.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

Art II - Honors

Credit: 1

Suggested Grade Level: 10-12

Prerequisite: Art I Teacher Recommendation

Focusing on enhancing and strengthening the student's drawing and rendering skills, Art II-Honors will introduce new, formal drawing and painting techniques while exploring composition and expression through media experimentation. Realism will be stressed until personal imagery can be developed. This course will move at an accelerated pace compared to the other Art II courses offered.

*Transfer students must complete a portfolio review to gain entrance to this course.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

Art III - Mixed Media

Credit: 1

Suggested Grade Level: 10-12

Prerequisite: Art II-Drawing and Painting or Art II-Art of Media Technology, or Art II-Honors with teacher recommendation

In this class, students will further explore the media, techniques, and aesthetic concepts they were introduced to in Art I and Art II, as well as being introduced to 2-dimensional techniques such as screen-printing and photography and 3-dimensional techniques including paper sculpture, paper mache, clay, and plaster. This class will include a variety of projects that will increase the students' understanding of intermediate artistic concepts and will have the students incorporating and combining different media.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

Art III Honors / Pre-AP

Credit: 1

Suggested Grade Level: 10, 11

Prerequisite: Art II-Drawing and Painting or Art II-Art of Media Technology, or Art II-Honors with teacher recommendation

This course is offered as an introduction to AP Drawing, AP 2D design, or AP 3D design to the student with the intention to take AP ART the following school year. This course will also integrate portfolio preparation for the Governor's School for the Arts program. The AP and GSA programs offered in-studio enable highly motivated students to perform at the college level while still in high school. This class has a demanding assignment schedule.

*Transfer students must complete a portfolio review to gain entrance to this course.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

Art IV Honors / Portfolio Prep

Credit: 1

Suggested Grade Level: 12

Prerequisite: Art II-Honors, or Art III-Mixed Media, or Art III Honors / Pre-AP with teacher recommendation

This course will be a culminating art experience for the self-motivated student. Students will develop a polished body of work suitable for portfolio presentation for college entry. A variety of mediums will be used in order to reemphasize the traditional foundations through the elements and principles of art. Students will also be engaged in the critique process, the study of art history, as well as developing pertinent critical thinking and creativity-building skills.

*Transfer students must complete a portfolio review to gain entrance to this course.

AP Art

Credit: 1

Suggested Grade Level: 12

Prerequisite: Art II-Honors or Art III-Mixed Media, or Art III Honors / Pre-AP with teacher recommendation

This Advanced Placement program in studio art enables highly motivated students to perform at the college level while still in high school. The AP Art exam is performance-based rather than written. Each portfolio requires submissions in two different sections (Selected Works and Sustained Investigation) and students select at the beginning of the year whether to concentrate on Drawing (which encompasses all flat mediums such as painting, drawing, printmaking, etc.), 2-dimensional design, or 3-dimensional design. The sections are designed to assess different aspects of student performance. This class has a demanding assignment schedule.

*Transfer students must complete a portfolio review to gain entrance to this course.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

BUSINESS

Principles of Business

Credit: 1

Suggested Grade Level: 9, 10

Prerequisite: None

This course provides the student with a basic foundation of the study of business and provides information for financial and economic decisions. Topics include the function of a business, various types of enterprise systems, forms of business ownership, becoming a knowledgeable consumer, banking, and current trends and topics in the business world.

Personal Finance

Credit: ½

Suggested Grade Level: 11, 12

Prerequisite: None

This course provides a comprehensive guide to personal finance, equipping students with the knowledge and tools to achieve financial well-being. Through practical applications and real-world examples, students will learn to create a personal financial plan covering essential topics such as income management, budgeting, consumer credit, saving, investing, insurance, and retirement planning.

Business Law

Credit: ½

Suggested Grade Level: 11, 12

Prerequisite: None

This course intends to provide the student with an opportunity to study human and business drama from a new perspective - that of the evolving set of rules that form our legal system. The student will encounter and explore many important social and ethical issues and will be able to examine these issues relative to how they affect daily lives.

Accounting I

Credit: 1

Suggested Grade Level: 11,12

Prerequisite: None

In this course, students will learn the principles of a double-entry accounting system, including journalizing, posting, and preparing financial statements. An emphasis is placed on how the information from an accounting system is used to make decisions, both by business managers and investors. Students will also use stock market and budget simulations to further understand the connection between personal and business accounting.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

Accounting II Honors

Credit: 1

Suggested Grade Level: 12

Prerequisite: Accounting I and teacher recommendation

This advanced course of accounting includes an in-depth study of accounting principles, procedures, and techniques used in keeping financial records for sole proprietorships, partnerships, and corporations. Students will investigate more complex business activities and develop a more thorough analysis of accounting information to help make business decisions. Students will also use stock market and budget simulations to further understand the connection between personal business accounting.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

ENGLISH

English I Honors

Credit: 1

Suggested Grade Level: 9

Prerequisite: None

This course is characterized by a faster pace, more intensive study, and a greater amount of independent reading and writing than English I College Prep I. Vocabulary, note-taking, research skills, and literary terms are discussed and studied as they pertain to short stories, novels, and poetry. Grammar is emphasized including a review of parts of speech, sentence structure and patterns, punctuation, and writing style. Drama is read and analyzed using a Shakespearean play. The study of short stories and poetry is complemented by longer works that may include the epic, The Odyssey, and two novel selections from the literary canon. Public speaking, using a variety of topics, is covered throughout the year. Students develop their writing skills through various assignments including two or three five-paragraph papers focusing on the analysis of literature with quotations. Preliminary aspects of the research paper process are introduced, which may include note cards, outlines, primary/secondary sources, and works cited. A final paper may be written. Students are instructed in the MLA process with the MLA Handbook as the source text. Students also develop resumes during the second semester.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

English I College Prep I

Credit: 1

Suggested Grade Level: 9

Prerequisite: None

Vocabulary, note-taking, research skills, and literary terms are discussed and studied as they pertain to short stories, novels, and poetry. Grammar is emphasized including a review of parts of speech, sentence structure and patterns, punctuation, and writing style. Drama is read and analyzed using a Shakespearean play. The study of short stories and poetry is complemented by longer works such as novels from the literary canon. Public speaking, using a variety of topics, is covered throughout the year. Students develop their writing skills through various assignments including two or three five-paragraph papers focusing on the analysis of literature with quotations. Preliminary aspects of the research paper process are introduced, which may include note cards, outlines, primary/secondary sources, and works cited. Students are instructed in the MLA process with the MLA Handbook as the source text. Students begin the process of curating activities, service, and awards for the resume second semester.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

English I College Prep II

Credit: 1

Suggested Grade Level: 9

Prerequisite: faculty/counselor recommendation

This course is characterized by a moderate pace, mastery of fundamental reading and writing skills given the content studied, and a greater amount of teacher support than English I College Prep I. Vocabulary, note-taking, research skills, and literary terms are discussed and studied as they pertain to short stories, novels, and poetry. Grammar is emphasized including a review of parts of speech, sentence structure and patterns, punctuation, and writing style. Drama is read and analyzed using a Shakespearean play. The study of short stories and poetry is complemented by longer works such as novels from the literary canon. Public speaking, using a variety of topics, is covered throughout the year. Students develop their writing skills through various assignments including at least one five-paragraph paper focusing on the analysis of literature with quotations. Preliminary aspects of the research paper process are introduced, which may include note cards, outlines, primary/secondary sources, and works cited. Students are instructed in the MLA process with the MLA Handbook as the source text. Students begin the process of curating activities, service, and awards for the resume during the second semester.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

English II Honors

Credit: 1

Suggested Grade Level: 10

Prerequisite: English I Honors or English I College Prep I

This course is characterized by a faster pace, more intensive study, and a greater amount of independent reading and writing than English II College Prep I. English II Honors prepares students AP Language and Composition, taken Junior year. Students continue building vocabulary, grammar skills, and writing and research fluency by completing one documented research paper in the first semester according to MLA standards. **The successful completion of this paper is required to pass the course.** In the second semester, students focus on the development and revision of evidence-based analytic and argumentative writing as well as the rhetorical analysis of non-fiction texts. In addition to vocabulary study, students also analyze the elements of short stories, poetry, drama, and novels, beginning with the study of genres by published authors. Students study works from the literary canon including a Shakespearean play, along with a variety of novels from authors such as John Steinbeck, Sue Monk Kidd, Kamala Markandaya, and Ray Bradbury. Additionally, students engage in several public speaking assignments, using a variety of topics throughout the year, and create their resumes. AP Language and Composition is the expected progression after English II Honors.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

English II College Prep I

Credit: 1

Suggested Grade Level: 10

Prerequisite: English I Honors, English I College Prep I, or English I College Prep II

Students continue building grammar skills and writing fluency through essay writing. The elements of short stories, poetry, drama, and novels are analyzed using the textbook and supplemental works. Students study works from the literary canon including a Shakespearean play, along with a variety of novels from authors such as John Knowles, William Golding, and Ray Bradbury. Students continue building mastery of the research process by completing one documented research paper with the *MLA Handbook* as the source text. Other writing focuses on analytical and persuasive topics based on the literature read and involves the core components of research and documentation. Public speaking, using a variety of topics, is incorporated throughout the year. Vocabulary is studied, and students update their resumes.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

English II College Prep II

Credit: 1

Suggested Grade Level: 10

Prerequisite: English I College Prep I or English I College Prep II, and faculty/counselor recommendation

This course is characterized by a moderate pace, mastery of fundamental reading and writing skills given the content studied, and a greater amount of teacher support than English II College Prep I. Students continue building grammar skills and writing fluency through the use of essay writing. The elements of short stories, poetry, drama, and novels are analyzed using the textbook and supplemental works. Students study works from the literary canon including a Shakespearean play, along with a variety of novels from authors such as John Knowles, William Golding, John Steinbeck, and Ray Bradbury. Students continue building mastery of the research process by completing one documented research paper with the *MLA Handbook* as the source text. Other writing focuses on analytical and persuasive topics based on the literature read and involves the core components of research and documentation. Public speaking, using a variety of topics, is incorporated throughout the year. Vocabulary is studied, and students update their resumes.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

AP English Language and Composition

Credit: 1

Suggested Grade Level: 11

Prerequisite: English II Honors or English II College Prep I

AP English Language and Composition cultivates the reading and writing skills necessary for college success and intellectually-responsible civic engagement. Students are guided in becoming curious, critical, and responsive readers of diverse texts and becoming flexible, reflective, writers of texts addressed to diverse audiences for diverse purposes. Assigned reading and writing tasks deepen and expand students' understanding of how written language functions rhetorically: to communicate writers' intentions and elicit readers' responses in particular situations. Students write in a variety of forms—exploratory, expository, definition, cause and effect, argumentative, and analytical—and on a variety of subjects. All writing is analytical and persuasive in format. Students also refine writing for the college application and scholarship process. Public speaking, using a variety of topics, is incorporated throughout the year. Students also update their resumes during the first semester. One analytical research paper is assigned that stresses topics contained in the literature read with the MLA Handbook as the source text. **The successful completion of this paper is required to pass the course.** Students will read a selection of fiction and nonfiction works as directed by the College Board within the approved AP curriculum for the course. Students will also write a variety of timed essays to prepare for the English Language AP Exam taken in May.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

English III College Prep I

Credit: 1

Suggested Grade Level: 11

Prerequisite: English II Honors, English II College Prep I, or English II College Prep II

American Literature is studied including the American Colonial Period, the New England writers, the Romantic Period, the Transcendental Period, the Realist Period, and the Modernist Period, including 20th-century writers. Students are further instructed in writing, critical thinking, and analysis culminating in a major research paper on a literary topic with the MLA Handbook as the source text. **The successful completion of this paper is required to pass the course.** Other writing is focused on analytical and persuasive topics based on literature read. Students also explore writing in preparation for the college application and scholarship process. Vocabulary is studied, and students update their resumes. Public speaking, using a variety of topics, is incorporated throughout the year. Major literary works from the American canon by authors such as Arthur Miller, F. Scott Fitzgerald, Zora Neale Hurston, Mark Twain, and Kate Chopin will be studied. Basic grammar, sentence structure, punctuation skills, and writing style are reinforced as needed throughout the course.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

AP English Literature and Composition

Credit: 1

Suggested Grade Level: 12

Prerequisite: AP English Language and Composition or English III College Prep I

British and World Literature is studied including a core curriculum of English Literature from the Renaissance through the Modern Periods, and a selection of pieces from 20th and 21st century American and World writers in preparation for the AP Literature Exam. Informed responses to ideas, values, and concepts contained in this literature are required, both through oral and written forms, including literary argument, poetry analysis, prose analysis, and writing for practical purposes. One literary, analytical research paper is assigned that stresses topics contained in the literature read with the MLA Handbook as the source text. **The successful completion of this paper is required for graduation.** All writing is analytical and persuasive. Students also refine writing for the college application and scholarship process. Students read a selection of fiction works as directed by the College Board within the approved AP curriculum for the course. In addition, students will write a variety of timed essays to prepare for the English Literature AP Exam taken in May. Public speaking is incorporated throughout the year and culminates in a lengthy speech. Students update their resumes during the first semester.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

English IV College Prep I

Credit: 1

Suggested Grade Level: 12

Prerequisite: AP English Language and Composition, English III College Prep I, or English III College Prep II

British and Western World Literature is studied including a core curriculum of English Literature from the Anglo/Saxon through Modern periods. Informed responses to ideas, values, and concepts contained in this literature are required, both through oral and written forms, including literary and rhetorical analysis. Students also refine writing for the college application and scholarship processes, and complete other forms of practical writing. Research-based writing culminates in one research paper of significant length; MLA or APA styles will be utilized. **The successful completion of this paper is required for graduation.** Other writing is focused on analytical and persuasive topics based on literature read. A selection of major literary works from the British and Western literary canon, including works by William Shakespeare and Geoffrey Chaucer, will be studied. Basic grammar, sentence structure, punctuation skills, and writing style are reinforced as needed throughout the course. Public speaking is incorporated throughout the year and culminates in a lengthy speech. Students update their resumes during the first semester. Vocabulary is studied.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

Creative Writing

Credit: ½

Suggested Grade Level: 11, 12

Prerequisite: None

Through an extensive series of exercises and projects, students develop and/or improve their writing style and skills. The course concentrates on all aspects of writing, from the development of an idea through the publication of an original piece of creative writing. Students learn to produce clear, tightly-organized prose using a developmental process that includes prewriting, writing, and revision. The course sharpens students' creative thinking and self review skills, including the use of peer review/workshops and collaborative revision. Specific methods for producing clear, focused writing are learned and practiced. Students produce a number of works that can include poetry, essays, short stories, and scripts/screenplays.

Business and Professional Writing

Credit: ½

Suggested Grade Level: 11, 12

Prerequisite: None

Business and Professional Writing exposes students to the writing standards of the business world across professions. This course focuses on standard business communication including emails, letters, reports, resumes, and the basics of social media. Clarity and conciseness are emphasized. Students write a business-style report in APA format, including graphics/visuals. Grammar is addressed, as needed. Students also read from professional business publications, and current business topics are included in course content.

Speech/Communications

Credit: ½

Suggested Grade Level: 11, 12

Prerequisite: None

This course empowers students to develop confidence and skill in public speaking, interpersonal dialogue, and group communication. Through engaging projects and real-world applications—from informative and persuasive speeches to TED-style presentations—students learn how tone, language, and delivery shape perception, build connections, and inspire action. Finally, students examine mass media and public relations.

HEALTH AND PHYSICAL EDUCATION

Health

Credit: ½

Suggested Grade Level: 9

Prerequisite: None

Contemporary health is a required course that emphasizes instruction and updated information on topics related to human health. The student will be able to demonstrate an understanding of the following: nutrition, physical structure, cardiovascular system, respiratory system, digestive system, reproductive system, excretory system, nervous system, substance abuse, mental and emotional disorders, first aid, and CPR. This course also deals with current health issues and various areas of interest.

Physical Education

Credit: ½

Suggested Grade Level: 9

Prerequisite: None

Physical Education is the basic secondary course required of all ninth graders. This class focuses on improving the students' personal fitness level. This class will provide information regarding lifetime physical fitness activities. Students will actively participate each day in various activities to improve their cardiovascular endurance, muscular endurance, flexibility, and overall health. The students will also learn how to develop the basic skills of team, individual, and recreational sports. All students are required to pass an exam on basic rules and terminology of each sport and activity that is covered.

Wellness & Lifetime Fitness

Credit: 1

Suggested Grade Level: 11, 12

Prerequisite: None

This is an elective course designed for juniors and seniors who are interested in improving and maintaining physical health for life. Students will participate in aerobic fitness and weight/strength training. An emphasis will be placed on personal wellness, health, and making intelligent nutritional dietary choices for a future healthy lifestyle. The ultimate goal of this course is to provide the tools and knowledge necessary for students to sustain healthy habits that will last a lifetime.

MATHEMATICS

Algebra I Honors

Credit: 1

Suggested Grade Level: 9

Prerequisite: High School Placement Test scores and faculty/counselor recommendation

This course is designed for students who have demonstrated a high level of understanding and proficiency in Pre-Algebra concepts and skills. Students should be able to maintain the study habits, maturity, and motivation necessary to be successful in this honors level course. The objective of Algebra I is to give students a foundation of algebraic skills to build upon in higher level math courses. Topics include the real number system, algebraic expressions and sentences, linear and quadratic equations, inequalities, operations with polynomials, relations and functions, graphing equalities and inequalities, radical expressions, factoring polynomials, exponents, exponential and rational functions, and solving systems of equations. Enrichment topics and activities are added to this course as appropriate.

Scientific calculators (TI-30X) are required. Graphing calculators (TI-84) are not allowed.

Algebra I College Prep I

Credit: 1

Suggested Grade Level: 9

Prerequisite: High School Placement Test scores and faculty/counselor recommendation

The objective of Algebra I is to give students a foundation of algebraic skills to build upon in higher level math courses. Topics include the real number system, algebraic expressions and sentences, linear and quadratic equations, inequalities, operations with polynomials, relations and functions, graphing equalities and inequalities, radical expressions, factoring polynomials, exponents, exponential and rational functions, and solving systems of equations.

Scientific calculators (TI-30X) are required. Graphing calculators (TI-84) are not allowed.

Algebra I College Prep II

Credit: 1

Suggested Grade Level: 9

Prerequisite: faculty/counselor recommendation

This course is offered by invitation only after a comprehensive review of placement test scores, middle school grades, and math teacher recommendation. In addition, this course will work to strengthen basic, fundamental, and foundational skills in mathematics. The objective of Algebra I is to give students a foundation of algebraic skills to build upon in higher level math courses. Topics include the real number system, algebraic expressions and sentences, linear and quadratic equations, inequalities, operations with polynomials, relations and functions, graphing equalities and inequalities, radical expressions, factoring polynomials, exponents, exponential and rational functions, and solving systems of equations.

Scientific calculators (TI-30X) are required. Graphing calculators (TI-84) are not allowed.

Geometry Honors

Credit: 1

Suggested Grade Level: 10

Prerequisite: Algebra I Honors, or Algebra I CPI with faculty/counselor recommendation

This course is designed for students who have demonstrated a high level of understanding and proficiency in concepts and skills in Algebra I. It is imperative that students have the study habits, maturity, and motivation necessary to be successful in this honors level course. Enrichment topics and activities are added to this course as appropriate. The focus in this course will be on project-based learning and hands-on discovery of topics that include, but are not limited to, fundamental geometric concepts, spatial reasoning, logic and proof, 2-dimensional and 3-dimensional geometry, trigonometry, and circles.

Scientific calculators (TI-30X) are required, however graphing calculators (TI-84) are permitted.

Geometry College Prep I

Credit: 1

Suggested Grade Level: 10

Prerequisite: Algebra I Honors, Algebra I CPI, or Algebra I CPII with faculty/counselor recommendation

The focus in this course will be on discovery and realistic applications of geometric relationships and principles. Topics include fundamental geometric concepts, logic, 2D and 3D shapes, trigonometry and circles, project-based problem solving and reasoning, and project-based learning.

Scientific calculators (TI-30X) are required, however graphing calculators (TI-84) are permitted.

Algebra II Honors

Credit: 1

Suggested Grade Level: 9, 10, 11

Prerequisite: Algebra I Honors, or Algebra I CPI with faculty/counselor recommendation

This course is designed for students who have demonstrated a high level of understanding and proficiency in concepts and skills in Algebra I. It is imperative that students have the study habits, maturity, and motivation necessary to be successful in this honors level course. Enrichment topics and activities are added to this course as appropriate. Algebra II Honors expands the mathematical concepts of Algebra I, while an emphasis is placed on preparation for study of higher mathematics. Topics include the properties, equations, and graphs of various functions (linear, quadratic, polynomial, exponential, logarithmic, rational, radical), inequalities, absolute value, linear systems of equations, matrices, the complex number system, trigonometry, and an introduction to conic sections.

*Incoming freshmen who intend to take Algebra II Honors take a placement test in late spring of 8th grade.

*Sophomores who intend to take Algebra II Honors must also take Geometry Honors concurrently. Teacher recommendation is required.

Graphing calculators (TI-84) are required.

Algebra II College Prep I

Credit: 1

Suggested Grade Level: 11

Prerequisite: Algebra I Honors, Algebra I CPI, or Algebra I CPII with faculty/counselor recommendation

Algebra II is designed to expand the mathematical concepts of Algebra I, while an emphasis is placed on preparation for study of higher mathematics. Topics include the properties, equations, and graphs of various functions (linear, quadratic, polynomial, exponential, logarithmic), inequalities, absolute value, linear systems of equations, matrices, the complex number system, and trigonometry.

Graphing calculators (TI-84) are required.

Algebra II College Prep II

Credit: 1

Suggested Grade Level: 11

Prerequisite: Algebra I CPI with faculty/counselor recommendation, or Algebra I CPII

This course is offered by invitation only and will be determined by Algebra I and Geometry scores and math teacher recommendation. This course is designed to expand the mathematical concepts of Algebra I, while an emphasis is placed on strengthening of basic, fundamental, and foundational skills from Algebra I. Topics include the properties, equations, and graphs of various functions (linear, quadratic, polynomial), inequalities, absolute value, linear systems of equations, matrices, the complex number system, and trigonometry.

Scientific calculators (TI-30X) are required, however graphing calculators (TI-84) are permitted.

Precalculus Honors

Credit: 1

Suggested Grade Level: 11, 12

Prerequisite: Algebra II Honors

This course is designed for students who plan to take AP Calculus or other upper level college math courses, and have demonstrated a high level of understanding and proficiency in concepts and skills in Algebra II. Enrichment topics and activities are added to this course as appropriate. Topics include number patterns, functions and their inverses, circular and triangular trigonometry, polynomials and rational expressions, inequalities and absolute value, exponentials and logarithms, graphs and their applications, techniques in problem solving, complex numbers, polar coordinates, sequences and series, and limits and continuity.

Graphing calculators (TI-84) are required.

Precalculus

Credit: 1

Suggested Grade Level: 11, 12

Prerequisite: Algebra II Honors, or Algebra II College Prep I

This course is designed for students who plan to take AP Calculus or other upper level college math courses. Topics include algebraic factoring, number patterns, functions and their inverses, circular and triangular trigonometry, polynomials and rational expressions, inequalities and absolute value, exponentials and logarithms, graphs and their applications, techniques in problem solving, and complex numbers.

Graphing calculators (TI-84) are required.

AP Calculus

Credit: 1

Suggested Grade Level: 12

Prerequisite: Precalculus Honors

This course is designed for students who are interested in studying engineering, medicine, mathematics, or sciences in college. Topics include limits, derivatives, applications of derivatives, definite and indefinite integrals, applications of integration, the Fundamental Theorem of Calculus, and calculus of exponential, trigonometric, and logarithmic functions. Students taking this course will have the opportunity to take the Advanced Placement Exam in May. Graphing calculators (TI-84) are required.

AP Statistics

Credit: 1

Suggested Grade Level: 12

Prerequisite: Algebra II Honors, or Precalculus Honors

This course is designed for students who are interested in completing the equivalent of a one semester, introductory, non-calculus-based, college course in statistics. Topics include one- and two-variable statistics and graphs, Normal distributions, samples and experiments, probability, random variables, sampling distributions, confidence intervals, and significance tests. Students taking this course will have the opportunity to take the Advanced Placement Exam in May. Graphing calculators (TI-84) are required.

Advanced Topics in Mathematics

Credit: 1

Suggested Grade Level: 12

Prerequisite: Algebra II Honors, or Algebra II College Prep I

This course is designed for students with a strong mathematics foundation who plan to take college statistics or may be unsure of future college math courses. Advanced Topics in Mathematics includes the major components of statistics, probability, financial mathematics, and real-world applications of algebra, geometry and trigonometry. Specific topics include one- and two-variable statistics and graphs, regression, Normal distributions, samples and experiments, probability and simulation, surveying, banking, credit, taxes, budgeting, insurance, and investing. This course will feature some project-based learning combined with general instruction and applications.

Graphing calculators (TI-84) are required.

RELIGION

The Department of Faith Formation, consisting of the Chaplain, Campus Minister, and Religion teachers collaborate to provide a comprehensive faith formation program built on the pillars of catechesis, spiritual formation (sacraments, prayer and retreats) and service.

Theology of the Body

Theology of the Body is a “catechesis on human love,” a lens through which students deepen their understanding of who they are, created in the image and likeness of God, and how to live a life of holiness and happiness. The foundational core concepts of Theology of the Body are presented during the first semester of Freshman year, and each grade level will integrate Theology of the Body in a manner that builds on the content from the previous year.

Service

The purpose of the Service program is for all students to live the Catholic/Christian faith by following Christ’s command to love our neighbor as ourselves. “As each one has received a gift, use it to serve one another as good stewards of God’s varied grace.” (1 Peter 4:10). Loving God is intrinsically tied to loving one’s neighbor.

Service Program Goals:

1. Engage in direct service to those in need. (required service hours)
2. Provide the opportunity for theological reflection on service experiences. (required reflection paper)

Retreats

Retreats are an integral part of the SHDHS religious experience. Retreats enliven the curriculum by providing personal experiences in which students can encounter Christ, develop a personal relationship with Him, and grow in Christian community with peers. Each grade level retreat is unique, providing customized team building experiences, witness talks, small group experiences, prayer, adoration, reflection and the sacraments of Reconciliation and Eucharist.

Religion I

Credit: 1

Suggested Grade Level: 9

Prerequisite: None

Fall Semester: Foundations in Faith - The purpose of this course is to provide students with a comprehensive survey of Catholic beliefs, teachings, and prayer with an emphasis on the Sacraments. This course lays the foundation for the four year faith formation program at SHDHS which includes the three pillars of catechetics, spiritual development and service. It will assist students in developing the necessary attitude, values, and skills to integrate faith in their daily life.

Spring Semester: Faith & Revelation - The purpose of this course is to provide students with a general knowledge and appreciation of God’s revelation of Himself to the world. Students will learn that within all people there is a longing for God and that God reveals Himself through natural revelation and can be seen through the gifts of reason and faith, salvation history, and the Sacred Scriptures.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

Religion II

Credit: 1

Suggested Grade Level: 10

Prerequisite:None

Fall Semester: Sacred Scripture -The purpose of this course is to give an overview of Sacred Scripture with an introduction to the basic principles for understanding and interpreting the Bible. Students will learn how the Bible came to be and its major sections. Students will learn to distinguish the literary forms and senses of Scripture. They will have opportunities to encounter Scripture personally, as the living Word of God, and apply it to their lives.

Spring Semester: Who Is Christ? - The purpose of this course is to introduce students to the mystery of Jesus Christ, the living word of God, and the Second Person of the Blessed Trinity. In this course students will learn that Jesus Christ is the ultimate Revelation to us from God and the source of Redemption through the Paschal Mystery. In learning about who He is, the students will also learn who He calls them to be.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

Religion III

Credit: 1

Suggested Grade Level: 11

Prerequisite: None

Fall Semester: The Mission of Christ and the Church - The purpose of this course is to introduce students to the ongoing mission and ministry of Jesus Christ and His Church. Students will learn that the Church was established by Jesus Christ, is guided by the Holy Spirit, and continues the salvific ministry of Christ in the world today. Students will explore their role in the Church and the universal call to holiness and develop their understanding of the role of the Blessed Virgin Mary, the Mother of the Church.

Spring Semester: Catholic Social Teaching - The purpose of this course is to introduce students to the social teachings of the Catholic Church. This course shows how through the ages the Magisterium of the Church responds to social developments by interpreting Divine Revelation and teaching the demands of the Gospel with authority. The student will learn how Christ's divine love for others, especially the poor and most vulnerable, is present today in the Church's social doctrine and mission. Students will apply the concepts they learn to topics of love and family, law and justice, war and peace, wealth and poverty, rights and duties, and freedom and obligation.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).
science

Religion IV

Credit: 1

Suggested Grade Level: 12

Prerequisite: None

Fall Semester: Moral Living in Christ - The purpose of this course is to help students understand God's design for our moral lives, that it is only through Christ that they can fully live out God's plans for their lives. Students learn the moral concepts and precepts that govern the lives of Christ's disciples. The students are challenged to consider what type of person they are becoming, to examine motives for their decisions and actions, and to seek to understand the motives of others.

Spring Semester: The Call of Christ: On Christian Vocation - The purpose of this course is to help students to understand the vocations of life: how Christ calls us to live. In this course, students learn how all vocations are similar and how they differ. The course is structured around married life, single life, priestly life, and consecrated life. Students will learn what it means to live life for the benefit of others and the value in considering a vocation in service to the Christian community.

Religion IV (Discipleship)

Credit 1

Grade Level: 12

Pre-requisites- Completion of Religion III with teacher recommendation

Course Description

This section will follow the same basic outline as the standard Religion IV course which, starting in the 2026/27 school year, will cover Option C (Catholic Social Teaching) and Course 6 (Vocations, Universal Call to Holiness) of the Bishops' Curriculum. However, this will be an accelerated section which will also cover material related to the topic of living as a disciple of Christ. This is a topic which thematically connects to both semesters.

This additional content will include two components. The primary component is applied faith practice in the form of prayer, contemplation, discernment, and faith-sharing within the class. The secondary component would be additional academic material that will foster the primary component; students in this section will have a firm grounding in faith matters and will be capable of handling primary sources (eg. theological works, Vatican II documents, etc.) and applying their content to aid prayer and reflection. This additional academic material is not intended to be on par with the academic rigor of an Honors or AP section, but the material will presume familiarity with basic foundations of the faith and in that manner will be a step above the regular sections in regard to academics.

SCIENCE

Biology Honors

Credit: 1

Suggested Grade Level: 9

Prerequisite: None

This course is designed to challenge motivated students, prepare those interested in a science career, as well as prepare those wanting to take AP Biology or Anatomy and Physiology – Honors. Critical thinking and math skills will be developed. Labs will move from teacher-directed to inquiry-based thus allowing students to pose, develop, and investigate biological problems. Emphasized topics include biochemistry, cell processes, genetics, evolution, microbiology, plant and animal anatomy and physiology, and ecology.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

Biology

Credit: 1

Suggested Grade Level: 9

Prerequisite: None

This course is designed to look at the structure and function of organisms that make up the natural world. The first semester includes review and application of scientific method, cellular and molecular biology, and the study of genetics. The second semester focuses on evolution, classification, exploration of taxonomic groups, and ecology. Throughout the year, there will be emphasis on the collection and presentation of data, hands-on scientific experimentation and inquiry, and development of standard biological laboratory skills to enhance learning.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

Chemistry Honors

Credit: 1

Suggested Grade Level: 10

Prerequisite: Biology or Biology Honors

Corequisite: Geometry Honors or Higher Level Math Course

This course is designed to challenge students who are interested in a future career in science or health care. The class topics will be covered in more depth and will require critical and analytical thinking skills. It is imperative that students have the maturity, study habits, and motivation necessary for this accelerated course. Topics included are mathematical skills, properties of matter, atomic theory and structure, chemical bonding and molecular structure, chemical equations, stoichiometry, gas laws, acids and bases, solutions, chemical equilibrium, kinetics, and thermochemistry. Students are required to have a scientific calculator but not necessarily a graphing calculator.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

Chemistry

Credit: 1

Suggested Grade Level: 10

Prerequisite: Biology or Biology Honors

This course teaches fundamental concepts of general chemistry with emphasis on data collection and analysis as well as graphical interpretation. Students develop laboratory skills through extensive experimentation utilizing small-scale lab techniques and technology. Topics included are mathematical skills, properties of matter, atomic theory and structure, chemical bonding, chemical equations, stoichiometry, gas laws, acids and bases, solutions, equilibrium/kinetics, and thermochemistry. Students are required to have a scientific calculator but not necessarily a graphing calculator.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

Astronomy

Credit: ½

Suggested Grade Level: 11, 12

Prerequisite: Biology or Biology Honors AND Chemistry or Chemistry Honors

Astronomy is the scientific study of the contents of the entire Universe. 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. Students will explore the origin of the universe and the basics of celestial bodies and phenomena including planets, moons, stars, nebulae, galaxies, black holes, etc.

Environmental Science

Credit: ½

Suggested Grade Level: 11, 12

Prerequisite: Biology or Biology Honors AND Chemistry or Chemistry Honors

This multifaceted course offers an overview of scientific and social topics needed to understand the environmental issues and challenges of today's world. The class focuses on the inter-relationships between the environment and living organisms, especially the impact of human actions on the natural world. Course topics include the interactions inherent in populations, communities, and ecosystems, as well as various field techniques and animal behaviors. We will also cover air, water, energy, and sustainable development. Field and laboratory work will be required.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

Forensics

Credit: 1

Suggested Grade Level: 11, 12

Prerequisite: Biology or Biology Honors AND Chemistry or Chemistry Honors

Forensic Science is an interdisciplinary, case-based class that applies biology, chemistry, and physics to real-world crime scene investigation. Students will learn the application of science to the criminal and civil laws that are enforced by police agencies in a criminal justice system. It includes topics that investigate fingerprinting, fiber analysis, ballistics, arson, trace evidence analysis, poisons, drugs, blood spatters, blood samples, etc. Students will engage with the material and topics via interactive lab opportunities while also learning the proper collection, preservation, and laboratory analysis of various samples.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

Human Anatomy and Physiology Honors

Credit: 1

Suggested Grade Level: 11, 12

Prerequisite: Biology or Biology Honors AND Chemistry or Chemistry Honors

This accelerated course offers in-depth coverage of the structure and function of the human body. It is appropriate for students planning a career in a medical field (physician, nurse, physical therapist, sports medicine, personal trainer, pharmacist, etc.) who are interested in a rigorous course stressing critical thinking and analytical assessment of biomedical case studies and current events. The class will be modeled after a college-level course.

Dissection is a required and significant part of this course and will include the sheep brain, cow eye, sheep heart, and fetal pig. If you are planning on taking AP Biology during your senior year, this class is strongly suggested.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

Human Anatomy and Physiology

Credit: 1

Suggested Grade Level: 11, 12

Prerequisite: Biology or Biology Honors AND Chemistry or Chemistry Honors

This class is an introduction to the structure and function of the human body. It is appropriate for students considering a healthcare career, or anyone who wants to learn more about how the body functions. This class will stress practical applications along with standard anatomy topics, including current issues in healthcare. **Dissection is a required and significant part of this course and will include the sheep brain, cow eye, sheep heart, and fetal pig.**

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

Zoology

Credit: ½

Suggested Grade Level: 11, 12

Prerequisite: Biology or Biology Honors AND Chemistry or Chemistry Honors

This course is designed as a science elective for students entering grades 11-12. Students will use scientific reasoning and processing skills as they study and explore the animal kingdom. Topics that will be covered will include taxonomy, natural selection, and the anatomical and physiological characteristics of phyla from the primitive (Porifera) to the advanced (Chordata). Zoology will be primarily a lab-based course with an emphasis on collaboration and laboratory projects. The students will also utilize the outdoor environment on campus for various activities.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

Introduction to Robotics

Credit: ½

Suggested Grade Level: 11, 12

Prerequisite: Biology or Biology Honors AND Chemistry or Chemistry Honors AND have either completed Algebra II or will be taking it concurrently.

This semester course introduces students to electromechanical and pneumatic motion control systems in the context of lightweight, remote-controlled robots. Students will work as teams to analyze system requirements, propose design solutions, create design documentation, conduct design reviews, build and integrate hardware, write software, and perform system testing. Course goals are to instill and enhance critical thinking and communication skills, patience, and design discipline. The course includes a materials fee of \$100.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

Engineering Fundamentals

Credit: ½

Suggested Grade Level: 11, 12

Prerequisite: Biology or Biology Honors AND Chemistry or Chemistry Honors AND have either completed Algebra II or will be taking it concurrently.

This semester course is an introduction to the field of engineering. Students will learn the types of work engineers perform, how engineering differs from science and technology, and the impact engineering has on society. This course educates students about career opportunities in engineering, where math and science principles are applied to solve complex problems. Students will perform a subset of the engineering design process, with an emphasis on understanding the problem, brainstorming solution concepts, and creating design artifacts. Students are required to have a scientific calculator but not necessarily a graphing calculator.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

AP Biology

Credit: 1

Suggested Grade Level: 11, 12

Prerequisite: Biology or Biology Honors AND Chemistry Honors

This course is designed to be the equivalent of a college introductory biology course usually taken by biology majors during their first year. The AP Biology curriculum places more emphasis on integrating inquiry and reasoning throughout the course. Course content revolves around four themes: evolution, cellular processes, genetics with information transfer, and systems interactions. To be successful, students will need excellent critical thinking and math skills, self-motivation, and good study habits. **It is highly recommended that students also take Anatomy and Physiology.** Students are required to attend a lab after school at St. Henry District High School one afternoon per week. Students take the AP exam in May.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

AP Chemistry

Credit: 1

Suggested Grade Level: 11, 12

Prerequisite: Biology or Biology Honors AND Chemistry Honors

This AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. The College Board has developed this course to improve student development of advanced inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across domains. The result will be readiness for the study of advanced topics in subsequent college courses. The key concepts and related content that define this AP Chemistry course are organized around a few underlying principles, which encompass the core scientific theories and processes governing chemical systems. To be successful, students will need excellent critical thinking and math skills, motivation, and good study habits. Students will have the opportunity to take the AP exam in May.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

AP Physics I

Credit: 1

Suggested Grade Level: 11, 12

Prerequisite: Biology or Biology Honors AND Chemistry Honors

Corequisite: PreCalculus Honors

This AP weighted, algebra-based physics course is primarily for college-bound science, math, and engineering students. This course mirrors the College Board's 2024-2025 revision to the course framework and includes units on kinematics; force and translational dynamics; work, energy, and power; linear momentum; torque and rotational dynamics; rotating systems; oscillations; and fluids. The course involves extensive work with problem-solving, setting up and performing experiments, and graphing and analysis of data. A good working knowledge of trigonometric functions is necessary. Students take the AP exam in May. Students are required to have a scientific calculator but not necessarily a graphing calculator.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

SOCIAL STUDIES

AP Human Geography

Credit: 1

Suggested Grade Level: 9

Prerequisite: None

Corequisite: English I Honors

The AP Human Geography course is equivalent to an introductory college-level course. The course introduces students to the study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students will learn spatial concepts and landscape analysis. They will also learn about the methods and tools geographers use in their research and applications. Topics to be covered will include population migration, cultural patterns, political organization, agriculture and food production, industrialism and economic development, environmental issues, etc. Students will be required to complete free response questions, tests, daily homework assignments including readings and projects, as well as multimedia presentations. The end goal of the class will be successful completion of the AP exam administered in May.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

AP World History Modern (1200 C.E. - Present)

Credit: 1

Suggested Grade Level: 10

Prerequisite: English I or English I Honors

The purpose of the AP World History Modern course is to develop greater understanding of different cultures and societies and their interactions. The course includes synthesis and comparisons as well as change and continuity of major cultures in Africa, the Americas, Asia, and Europe within nine major units and four time periods. Students will have the opportunity to take the AP World History exam in May.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

World History

Credit: 1

Suggested Grade Level: 10

Prerequisite: None

World History is designed to give students a broad overview of world history. The course should allow students to relate knowledge learned about the past to contemporary world themes. The course will focus on the Classical Period through the Enlightenment. Each unit will analyze the economic, geographic, political, cultural, and historical importance of each civilization or time period.

AP United States History

Credit: 1

Suggested Grade Level: 11

Prerequisite: World History or AP World History, and English II, or English II Honors

This course will concentrate on the politics and economics of the United States, as well as the areas of military conflict, technology, popular culture, and geography. Some of the major units to be studied are: Exploration and Colonization; Constitutional History; Jeffersonian and Jacksonian Democracy; the Antebellum South and Slavery; the Civil War and Reconstruction; Industrialization and Immigration; the Progressive Era and World War I; the Roaring Twenties and the Great Depression; World War II; the Cold War; domestic policies of 20th century presidents; and the 20th century civil rights movements. Various individual leaders and their personalities will also be discussed. Students are challenged with essays, tests, weekly homework assignments, projects, and outside reading and viewing assignments. These assignments are necessary to develop and maintain the critical thinking skills needed to perform successfully on the AP exam in May as well as any future college social studies course.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

United States History

Credit: 1

Suggested Grade Level: 11

Prerequisite: None

American History concentrates on American society, politics, and culture. Beginning in the 1840's, the course provides the student with an understanding of circumstances surrounding the Civil War. By evaluating and examining various influential Americans, students will be able to formulate educated opinions about American culture, society, and politics. As the course moves through the Civil War and Reconstruction Periods, historical characteristics help students comprehend how the 19th century shaped its future. Students are challenged with the essay tests, quizzes, and quarter projects to develop writing skills as well as study habits. With these assignments, American History then continues into the 20th century. The course attempts to cover important events from Theodore Roosevelt to George Bush and from the Spanish American War to the Persian Gulf. Lectures are designed to provide historical backgrounds behind the 20th century's major events.

Special Topics in History: Pop Culture Through US History

Credit: ½

Suggested Grade Level: 11, 12

Prerequisite: None

This "special topics in history" course investigates the rise and evolution of popular culture in America from the Roaring Twenties to the end of the twentieth century, and through present day. The course will dive into what makes something popular, what popular culture does to people, and what people do with popular culture. We will explore the social and cultural contexts in which influential forms of popular culture emerged--with particular attention to popular music, film, advertising, television, sports, fashion, dance, and technology--and analyze their impact on issues of race, gender, and class. In addition, we will consider how popular culture has impacted the political landscape of the United States, how it has been used to both advance and contest the dominant culture in American society, and assess the degree to which popular culture has served as a unifying or divisive agent in American life. Finally, we will analyze and discuss how American popular culture not only influences how WE think, how WE feel, and how WE live our lives, but how it also has permeated other societies, and become one of our nation's leading exports.

Special Topics in History: Holocaust Studies

Credit: ½

Suggested Grade Level: 11, 12

Prerequisite: None

The goal of this course is to explore and analyze the complex factors contributing to the rise of Nazi Germany and the Holocaust, interpret the events of 1933-1945, and evaluate the impact of this genocide on post-war Europe and generations to come. We will look at the Holocaust both chronologically and thematically. We will incorporate many elements of psychology, sociology, ethics, cultural anthropology, and economics. The course will utilize multiple texts and films as a window into this past, as well as integrate the *Echoes and Reflections* curriculum published by the Anti-Defamation League in conjunction with the USC Shoah Foundation and Yad Vashem.

Psychology

Suggested Grade Level: 11, 12

See “Dual Credit” section for more information about the dual credit Psychology courses.

AP US Government & Politics

Credit: 1

Suggested Grade Level: 12

Prerequisite: AP United States History or United States History

Students will study Advanced Placement United States government and politics on an advanced level culminating with the opportunity to take the AP test in May. Students will study, but will not be limited to, economics and government in the context of the US system. Topics will include the following: constitutional underpinnings of the United States government, political beliefs and behaviors of individuals, the role of political parties, interest groups, and mass media, the Institutions of National Government - Congress, Courts, Presidency, and bureaucracy, public policy development and implementation, civil liberties and civil rights. The course will be somewhat multidisciplinary in that economics, international relations and diplomacy, and American history will all be covered. Senior class status is required as well as a strong background in history and English. Students must pass the KY State Government Exam to earn credit for the class.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

Government

Credit: ½

Suggested Grade Level: 12

Prerequisite: None

The objective of this course is to familiarize students with the basic structures of government and institutions. The relationship of power and decision-making are examined through the study of the Constitution of the United States and the amendments, other historical documents, the State Constitution, and local governing bodies. Students will also make comparisons between the structure of the United States government and those of foreign countries. Students will be able to identify their local government and state governmental systems, as well as the institutions that affect our government. Democratic values and citizen participation are stressed throughout the course. Student participation in the community is encouraged. Students must pass the KY State Government

Exam to earn credit for the class.

Economics

Credit: ½

Suggested Grade Level: 12

Prerequisite: None

An understanding of how people and society use resources to produce and distribute items for consumption in the American system is developed and applied. Simulations will be used to provide practical experience in the study of the history and current state of economic policy. Content includes economic systems, supply and demand influences in a free market economy, the factors of production, personal finance and investments, competition and monopoly, government regulations, service and taxation, stock market, national and international economy, and cause and effect of inflation and recession.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

TECHNOLOGY

Computer Applications

Credit: ½

Suggested Grade Level: 9-12

Prerequisite: None

This course offers a beginner- to intermediate-level look at how to use various computer applications, focusing on word processing, presentations, and spreadsheets. Topics include layout and formatting, basic automation, and data analysis using both Google and Microsoft programs, as well as general patterns of user interfaces that can help in using unfamiliar software.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

Media and Communication

Credit: ½

Suggested Grade Level: 9-12

Prerequisite: None

Media and Communication is designed to provide students with groundwork in various forms of media, including videography, broadcasting, and public speaking. Students will develop skills in video, photo, and audio editing and graphic design by completing projects of their own design as well as for the broader school community. Students will be introduced to software such as Adobe Premiere Pro, Photoshop, Audition, Illustrator, and InDesign in addition to basic web technologies.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

AP Computer Science Principles

Credit: 1

Suggested Grade Level: 10-12

Prerequisite: None

AP Computer Science Principles is an introductory college-level computing course that introduces students to the breadth of the field of computer science. Throughout the year, students increase their programming skills with the goal of creating a project that fulfills the AP exam requirements, including using reusable functions, arrays, and responding to user actions. Students also explain how computing innovations and computing systems - including the internet - work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical. Students who take this course may choose to take the AP Computer Science Principles Exam in May; passing the exam can fulfill a general computing course requirement for many college students, especially those not planning to major in Computer Science.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

Computer Science Honors

Credit: 1

Suggested Grade Level: 10-12

Prerequisite: None

This course is designed as a project-based introduction to programming for students with little or no experience. It provides students with an understanding of how to use computers to solve problems and emphasizes principles of software development, style, and testing. Computer Science Honors aims to help students to feel confident in their ability to write small programs that allow them to solve basic problems, as well as understanding how to create larger programs such as games or working with hardware and data. The course uses the Python programming language for both teacher-directed and student-designed projects and covers topics including procedures and functions, strings, arrays, iteration, recursion, algorithms, object-oriented programming, hardware functions, networking, and data management.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

Advanced Topics in Computer Science

Credit: 1

Suggested Grade Level- 11, 12

Prerequisite: none

A deeper project-based investigation of the role of computers in the world, building on an understanding of computer programming. Possible topics include software engineering, computer engineering, cybersecurity, networking, and databases.

Website and User Interface Design (Offered in odd-even school years)

Credit: 1

Suggested Grade Level: 10-12

Prerequisite: None

This course is a hand-on, project-based introduction to the design, creation, and maintenance of websites and the front end of applications. By using the basics of HTML, CSS, and Javascript, students will learn how to create a graphical user interface (GUI) while analyzing and evaluating website quality and learning different aspects of web design. Projects will focus on integrating multiple forms of media, including text, images, audio, and video, as well as dynamic elements that respond to user actions.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

AP Computer Science A

Credit: 1

Suggested Grade Level: 11, 12

Prerequisite: Computer Science Honors or AP Computer Science Principles

Designed for students who are considering majoring in Computer Science and related fields or who want to explore programming as a career or hobby, this course is a deeper investigation of program design and algorithm development. The course uses the Java programming language and follows the AP curriculum for Computer Science, which is equivalent to a one-semester introductory college-level programming course. Topics covered include mathematical operations, strings, one- and two-dimensional arrays, Java packages, recursion, and searching and sorting algorithms. Students will modify code in existing classes, as well as create their own, and will be introduced to object-oriented programming (OOP) fundamentals including inheritance, method

overloading, and polymorphism. Students who take this course may choose to take the AP Computer Science A Exam in May, and passing may fulfill an introductory programming course requirement for Computer Science or related majors.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

CruNews

Credit: 1

Suggested Grade Level: 11, 12

Prerequisite: You will need to have some knowledge in editing and graphics software, such as, but not limited to Adobe Premier, Adobe After Effects, OBS, and Devinci.

With this course you will be airing a 3-5 minute CruNews video clip that will be aired weekly within a timely deadline for St. Henry District High School. This class will function more like a live television newsroom that relies on complete team work. You will be responsible for gathering information, working with live feeds, streaming, scripting, working the teleprompter, operating the camera, controlling the lights, recording and editing. There will be pre-recordings along with going live as a part of the CruNews video segments. This course is designed to improve your professional skills, and working within a deadline. If you are looking to one day work in news, there is no better way to jump start your career then right here with CruNews. To perform well in this class, it is imperative that you keep up with the latest events and happenings within the school. You will be expected to know current events and any upcoming activities that the school and student body will be participating in. With this course you will greatly enhance your ability to produce timely and relevant newscasts when you come prepared and informed. In addition, you will be expected to produce news that represents all departments and all that this school is involved in. This class has the possibility of collaborating with Broadcasting Club to pull together combined resources and incorporate streaming abilities.

WORLD LANGUAGES

American Sign Language I

Credit: 1

Suggested Grade Level: 9-12

Prerequisite: None

In American Sign Language I (ASL I), students will acquire foundational vocabulary and grammar tools to begin holding small conversations in ASL. Their foundational skills will allow students to introduce themselves, others, and talk about school, hobbies, and interests. ASL I will develop both receptive (understanding ASL signed to them) and expressive (students using ASL themselves) skills through authentic ASL videos, and class presentations with feedback. Students will also reflect on their personal experiences and learn about the Deaf experience through journaling with video and art prompts. There is strong emphasis on basic communication, vocabulary development, and cultural respect for community engagement with the Deaf Community here in America.

American Sign Language II

Credit: 1

Suggested Grade Level: 10-12

Prerequisite: ASL I

In American Sign Language (ASL) II, students will reinforce the vocabulary, grammar, and structures learned in ASL I and add to these areas. Their foundations and new skills will allow students to tell and understand more complex stories as well as hold more in depth conversations. ASL II continues to develop both receptive and expressive skills through authentic ASL videos, and class presentations with feedback. There is strong emphasis on communication, vocabulary development, and cultural respect for community engagement with the Deaf Community here in America.

Spanish I Honors

Credit: 1

Suggested Grade Level: 9-12

Prerequisite: None

In Spanish I Honors, students are introduced to the value of speaking Spanish and given the opportunity to perform at a beginner proficiency level in reading, writing, listening comprehension, and speaking. Students work through realistic situations, talking about themselves and their family members, school situations, and friends. They also express likes and dislikes, give descriptions, ask and answer practical questions, order food, and discuss day-to-day activities. The present and simple future tenses are studied. There is a strong emphasis on communication, vocabulary development, and cultural information from Spanish-speaking countries. This course is strongly recommended for those students who are quick learners and like to be challenged, and/or have a love of Spanish and want to continue onto Spanish II Honors through AP Spanish. This course will include enrichment and acceleration of course material from Spanish I, including vocabulary and grammar tenses.

Spanish I

Credit: 1

Suggested Grade Level: 9-12

Prerequisite: None

In Spanish I, students are introduced to the value of speaking Spanish and given the opportunity to perform at a beginner proficiency level in reading, writing, listening comprehension, and speaking. Students work through realistic situations, talking about themselves and their family members, school situations, and friends. They also express likes and dislikes, give descriptions, ask and answer practical questions, order food, and discuss day-to-day activities. The present and simple future tenses are studied. There is a strong emphasis on communication, vocabulary development, and cultural information from Spanish-speaking countries.

Spanish II Honors

Credit: 1

Suggested Grade Level: 9-12

Prerequisite: Spanish I or Spanish I Honors

In Spanish II Honors, students reinforce the vocabulary, grammar, and structures learned in Spanish I and learn additional tenses, including the preterite, imperfect, future, conditional, present, and imperfect progressive tenses. Spanish II continues development in the four basic language skills: listening comprehension, reading, writing, and speaking, with an emphasis on daily oral communication. Students will use authentic resources in order to improve their language proficiency. There is a strong emphasis on communication, vocabulary development, and cultural information from Spanish-speaking countries.

This course is strongly recommended for students who are considering continuing on into Spanish III Honors and/or AP Spanish. This course will include enrichment and acceleration of course material from Spanish II, including vocabulary and grammar tenses. Students will also work further on developing fluency in speech and writing and improving their proficiency in reading and listening skills.

Spanish II

Credit: 1

Suggested Grade Level: 9-12

Prerequisite: Spanish I or Spanish I Honors

In Spanish II, students reinforce the vocabulary, grammar, and structures learned in Spanish I and learn additional tenses, including the preterite, imperfect, future, conditional, present, and imperfect progressive tenses. Spanish II continues development in the four basic language skills: listening comprehension, reading, writing, and speaking, with an emphasis on daily oral communication. Students will use authentic resources in order to improve their language proficiency. There is a strong emphasis on communication, vocabulary development, and cultural information from Spanish-speaking countries.

Spanish III Honors

Credit: 1

Suggested Grade Level: 10-12

Prerequisite: Spanish II or Spanish II Honors

Spanish III is for students who want to learn more than the minimum required for Spanish I and II. It also serves as a pre-AP course for those students wishing to continue their study of the Spanish language and culture. In Spanish III, students will implement their previous knowledge of Spanish and improve on their usage of tenses and structures from Spanish II and add the use of subjunctive to their conversational and written proficiency. Students will be introduced to the remaining verb tenses. Using dialogues, readings, and audio resources from the textbook and authentic sources, tenses and vocabulary become more familiar to the students as they work to improve fluency. Students are given the opportunity to broaden their conversational skills in practical situations and will also explore a variety of Spanish and Latin American literature. Cultural, geographical, and historical emphasis will be placed on the Caribbean, Central America, and South America, and Spain. This course is taught primarily in Spanish with English used for clarification and explanation. Willingness to speak Spanish and participate will be influential in grade determination, especially during the second semester.

AP Spanish Language and Culture

Credit: 1

Suggested Grade Level: 11, 12

Prerequisite: Spanish III Honors

AP Spanish continues development in the four basic language skills: listening comprehension, reading, writing, and speaking, with an emphasis on daily oral communication. The study of literary readings continues and the students are prepared to take the AP Spanish Language exam in May in order to receive college credit. Interpersonal speaking and writing and presentational speaking and writing are emphasized, along with a focus on cultural information. Students learn current events and improve their language proficiency through the use of authentic texts, in the context of six curricular themes - families and communities, science and technology, global challenges, personal and public identities, beauty and aesthetics, and contemporary life. AP Spanish is equivalent to a third-year college language course and is intended for those students who are serious about continuing their study of the language after high school. This course is designed for students who have the study habits, maturity and motivation necessary to be successful in an Advanced Placement course. Students will have the opportunity to take the AP Exam in May.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

Spanish IV Honors

Credit: 1

Suggested Grade Level: 11, 12

Prerequisite: Spanish III Honors

Spanish IV Honors continues development in the four basic language skills: listening comprehension, reading, writing, and speaking, with an emphasis on practical applications, communicative and cultural information. This course emphasizes communicating in the interpretive, presentational, and interpersonal modes at a high-intermediate level of proficiency. There will be an emphasis on the ability to communicate in real-life situations, carry on extended conversations and create culturally appropriate language in a variety of settings. Students will also be able to give advice and express opinions on topics of interest and current events. Students will use a variety of complex tenses and grammatical structures to comprehend and synthesize a variety of written and spoken texts. Through the study of current and past issues, students will make connections, comparisons, and develop a deeper understanding of their own language and culture and those of other communities. Students will develop the necessary skills to interpret and communicate in Spanish in both their educational and personal life. Spanish IV Honors is intended for those students who are contemplating studying Spanish in college or may be unsure of future Spanish college courses. This course is not appropriate for those students considering a Spanish major. Those students should take AP Spanish. Students may wish to take the CLEP test or language equivalency test at their respective college or university after completing this course.

AP Spanish Literature and Culture

Credit: 1

Suggested Grade Level: 12

Prerequisite: AP Spanish Language

AP Spanish Literature explores key texts from Latin American, Peninsular, and United States Hispanic literature through a thematic lens. Students study short stories, essays, poems, and prose and use the interpersonal, presentational, and interpretive modes of language to critically read and analyze these works, through their writing and speaking. Additionally, students listen to author interviews and readings of their works, as well as explore some short films in Spanish. The course also includes biographical information about the authors and the historical context of each work, as well as an emphasis on cultural comparisons and connections. Students will have the opportunity to take the AP Spanish Literature exam in May in order to earn college credit.

*This course requires an additional fee for consumable materials (workbooks, novels, supplies, chemicals, etc...).

OTHER

Crusader 101: Freshmen Foundations

Credit: 1

Suggested Grade Level: 9

Prerequisite: None

Crusader 101: Freshmen Foundations is a course designed to merge Academic and Personal Success, Character and Leadership Development, Digital Citizenship, Executive Functioning, Personal Financial Literacy and Service/Stewardship. Students will learn essential skills related to organization, time management, grade progress monitoring and forward planning through use of a written planner. Students will learn the implications of managing, exchanging, and disseminating information electronically while communicating professionally. Students will complete coursework related to college and career readiness, technology applications, financial literacy, social-emotional learning, study skills, and service and stewardship in a Problem-Based Learning environment.

Study Hall

Credit: 0

Suggested Grade Level: 11, 12

Prerequisite: None

Students wishing to spend a period studying and working on homework should take a study hall. All students should take a schedule that challenges them but does not overwhelm them. Students who are heavily involved in athletics, extracurricular activities, part time jobs or family responsibilities may want to take this period. Study hall students should expect a quiet place to work with minimal distractions.

Peer Tutor

Suggested Grade Level: 12

Credit: 0.5

Prerequisite: Teacher recommendation

This is a class in which a student will be assigned to a department to be utilized as an in-class tutor for the content being taught by the teacher. The student would assist students who need more individualized assistance to understand academic content. This will be a pass/fail class that will not impact GPA.

BOONE COUNTY AREA TECHNOLOGY CENTER

The BCATC is located on the campus of Conner High School. Transportation must be provided by the student or family. Space in this program is limited; therefore, an application may be necessary at times. All programs aside from Health Sciences are two year programs, and as a result, preference is given to juniors who commit to both years. Finally, all of these programs have a dual credit component with a partnership at Gateway Technical and Community College.

Auto Technology

Credits: 3

Suggested Grade Level: 11, 12

The Automotive Technology program is a two year long course. First year students will receive instruction in all eight areas of the ASE/NATEF certifications, to include engines and engine performance, automatic and manual drive trains, steering/suspension, brakes, HVAC and electrical. Students MUST pass all first year courses to be eligible to return for the second half of the program. Second year students will receive instruction on the same eight areas with the emphasis on the diagnostics and major repair of these systems. The majority of the instruction involves actual hands-on training rather than just book work. The focus and goal of the Auto Technology program is to have a second year student well prepared to get an entry level technician position at any of the many dealerships and independent repair facilities in Northern Kentucky or continue their training at the post-secondary level. This is a rigorous course that is designed to strengthen a student's mechanical skills and utilize the English, math and science skills they have acquired in their home school.

Diesel Technology

Credits: 3

Suggested Grade Level: 11, 12

The Diesel Technology program here at Boone County ATC has changed dramatically in the past 5 years. The mechanic of yesterday has been replaced by highly skilled, highly trained technicians. Today's techs are professionals, well versed in electronics and able to diagnose computer, electronic and mechanical failures. This program is designed for students wanting a career in the Diesel Technology field. Training consists of diesel and gas engines, automatic and manual transmissions, air and hydraulic brake systems, steering and suspension, electrical and electronic systems and preventative maintenance services. Students will also become familiar with all manner of tools, from simple everyday hand tools to sophisticated diagnostic software on laptop computers. Bottom line is; this is not an easy course. Students will have to apply math, science and physics skills along with hand-eye coordination skills. The field is as demanding physically as well as mentally. For those that meet the standards, the sky's the limit on career choices. The automotive, heavy truck and construction equipment industries are searching for qualified technicians.

Welding

Credits: 3

Suggested Grade Level: 11, 12

Students will gain knowledge and acquire skills to weld various metals using several methods. Students will train in layout, blueprint reading, work orders, job site safety, and job estimates.

Health Sciences

Credits: 3

Suggested Grade Level: 11, 12

The Health Sciences program provides the secondary student with orientation, exploration, and preparation into the healthcare industry. Courses are sequenced to provide continuous student progress toward a certificate of achievement. The integration of mathematics, science, communication, and technical knowledge is a vital component of each course offering. The program is designed for students who desire entry level training and/or plan to enroll in a post-secondary program in one of many health fields. With faster than average employment, growth, and excellent job opportunities, this is a great time to consider a career in health science. Healthcare professions are jobs that maintain the health and condition of the human body. Healthcare jobs pay well and many have excellent benefits! The healthcare profession is here to stay. Health care careers include more than physicians, dentists, and nurses. There are 250 different healthcare professions -something to appeal to every kind of student.

Metal Fabrication

Credits: 3

Suggested Grade Level: 11, 12

Students in this program prepare for a career in a very diverse trade. You can be inside running metal fabrication equipment or outside on a construction site. By creating three- dimensional objects from flat sheets of metal, reading trade specific blueprints and operating the trade machinery and hand tools, this class trains you for three career fields. Layout, blueprint and knowledge of equipment and hand tools will give you a set of skills that will improve abilities in almost any career field you choose to enter. Metal fabricators are increasingly called on to produce precision parts for high tech industries. Instruction includes design, pattern lay out, transfer, fabrication, and joining. The latest technology we have in our class is the Torchmate Plasma Cutting system. This computer controlled plasma table is used to cut intricate detail in parts for trucks, motorcycles, four wheelers, arts and crafts, industrial parts like brackets, guards and just about anything else you can imagine. We train by doing, which means we spend the majority of our time making parts and projects from blueprints to teach students how to use the knowledge they have been given through lectures and textbooks. We complete twenty-one chapters a year. That means we spend much more time producing projects than reading about doing it. I must caution you though. All of your required credits must stay at a passing grade. If you do not keep your grades at a sufficient level in the required credits to graduate you will not be able to take full advantage of the two year course work in this class. We also have an introduction to MIG welding and some TIG welding for the second year students in the program. Many companies want new employees to have fabricating skills and welding skills. If you like to use your hands, stay on task and take pride in completing projects to give yourself a sense of accomplishment then this career could be for you.

DUAL CREDIT

Any junior or senior with a 3.0 unweighted GPA may choose to take one or more dual credit classes. To add a dual credit period, you will simply request “Dual Credit” in TylerSIS. Mrs. Roebker will reach out later to work on applications and select a college and courses. The KHEAA Dual Credit Scholarship will cover two courses during high school. Textbooks are the responsibility of the student and are not covered by the scholarship.

Northern Kentucky University: School Based Scholars Program

Option 1: Take a class set aside for SHDHS students only

Fall 2024 - SOC 100 - Introduction to Sociology

Spring 2025 - CMST 101- Public Speaking

Option 2: Begin a Career Exploration Track (first class listed)

**see <https://inside.nku.edu/schoolbasedscholars/about/courses.html> for more information

Option 3: Sign up for any open college class

Choices will be available later in the semester, but there are many options

Gateway Community and Technical College

Option 1: Sign up for any open college class

Thomas More University

Option 1: Take a class at SHDHS with a certified Dual Credit Instructor

Fall and Spring - PSY 105: General Psychology

This course can fulfill the Social Science core requirement at Thomas More.

Prerequisite: None

Description: An introduction to the field of Psychology and to the methods of study used by psychologists. Emphasis is placed on a scientific approach to understanding human behavior. Topics covered include the biological basis of behavior, sensation, perception, learning, memory, personality, abnormal behavior, and social behavior. PSY 105 is a prerequisite for all other Psychology courses.

Fall and Spring - PSY 206 – Abnormal Psychology

Prerequisite: PSY 105 (students who passed the AP Psychology exam can start in this course)

Description: The nature and causes of maladjustment and mental disorders, theoretical perspectives on abnormal behavior, symptoms and diagnostic criteria for the major mental disorders, theories of etiology and approaches to treatment.

Fall and Spring - PSY 214 – Lifespan Development

Prerequisite: PSY 105

Description: Students will study the development of the human being from conception to maturity and into old age. Special problems at various ages are investigated, including problems of the young child, emotional and social adjustment of the adolescent and young adult, marriage and the family and issues unique to the elderly.

Fall and Spring- ORG 115 – Introduction to Leadership Practices

Prerequisite: n/a

Description: This course counts towards the Organizational Leadership Dual-Credit Pathway. This course introduces the core elements that comprise leadership, the internal workings of the organization from a leadership perspective, and in-depth review of the major concepts, elements, and terminology of leadership. Students will engage in discussions and review of current literature leading to leadership and ethical behaviors.

Fall 2026: CHE 111 - General Chemistry I (3)

Prerequisite: CHE 101, high school chemistry or the equivalent; successful completion or testing out of MAT 106

Concurrent Requisite: CHE 111L

Second Century Inner Core: Natural Science Lecture

Description: A course offering a concise overview of the basic principles of chemistry, including atomic theory, gas laws, the mole concept, stoichiometry, periodicity, and the study of chemical equilibrium and oxidation reduction principles.

Spring 2027: CHE 113 - General Chemistry II (3)

Prerequisite: CHE 111

Concurrent Requisite: CHE 113L

Description: A course following CHE 111 by studying the principles of thermodynamics and kinetics as applied to chemical systems. Redox equilibria, electrochemistry, and the rates and mechanisms of chemical reactions will also be examined.

Fall 2026 / Spring 2027: CHE 111L/113L - General Chemistry I, II Laboratory (1, 1)

Prerequisite: CHE 111L for CHE 113L

Concurrent Requisite: CHE 111 for CHE 111L/CHE 113 for CHE 113L

Second Century Inner Core: Natural Science Lab (CHE111L)

Description: A two-course sequence studying modern chemical analysis and emphasizing basic laboratory techniques as well as chemical instrumentation and applications in the identification, separation, and quantitative determination of chemical species.

HIS 203/204 MODERN EUROPE I, II CREDIT 2

PREREQUISITES: N/A

COURSE DESCRIPTION A two-semester survey of European history beginning with the Renaissance and divided at 1815. It is possible to take only one semester of this course for 1 credit.

Option 2: Begin a Dual Credit Pathway

Option 3: Sign up for any open college class

Choices will be available later in the semester, but there are many options.