

WARREN CENTRAL HIGH SCHOOL

CURRICULUM GUIDE



2020-2021

Table of Contents

Table of Contents	2
Diploma Tracks	
Kentucky State Requirements	3
Requirements for Scholastic & Academic Diploma	5
Required Credits for Promotion	6
Pre-College Curriculum	8
Performance Based Credit	9
Subject-Core Classes	
English Secondary Language Department	10
Language Arts Department	13
Foreign Language Department	21
Mathematics Department	23
Science Department	29
Social Studies Department	38
Electives	
Career Pathways	46
Agricultural Education Department	55
Business Education Department	57
Consumer and Family Sciences Department	59
JROTC	62
Art Department	64
Vocal Department	66
Instrumental Department	68
Health/PE Department	70
Other Courses	72
Area Technology Center	74
Southcentral Kentucky Community and Technical College	82
Campbellsville University Dual Credit	83
WKU Dual Credit	84
Electives for 9th grade	88
Electives for 10th grade	89
Electives for 11th grade	91
Electives for 12th grade	94
Technology Proficiency	98

Kentucky State Minimum Requirements

Curriculum Area	Credits	Curriculum Area Requirements
Language Arts	4	4 credits (English I, English II, English III, and English IV) to include the content contained in the Kentucky core academic standards for English and language arts. Language arts shall be taken each year of high school.
Math	4	3 credits to include Algebra I, Geometry and Algebra II. Mathematics shall be taken each year of high school.
Science	3	3 credits that shall incorporate lab-based scientific investigation experiences and include the content contained in the Kentucky core academic standards for science.
Social Studies	3	3 credits to include the content contained in the Kentucky core academic standards for social studies.
Health & PE	1	1/2 credit to include the content strands of individual well-being, consumer decision, personal wellness, mental wellness, and community services. 1/2 credit to include the content strands of personal wellness, psychomotor, and lifetime activity.
Technology	0	Demonstrated performance-based competency in technology
Financial Literacy	0	Receive instruction in financial literacy
Essential Workplace Skills	0	Demonstrate essential workplace skills
Visual and Performing Arts	1	1 credit in a history and appreciation of visual and performing arts or a performing arts course which incorporates such content (<i>Credit to include the content strands of arts, dance, music, theatre, and visual arts or a standards-based specialized arts course based on the student's Individual Learning Plan.</i>)
Foreign Language	0	Not required for this diploma
Electives	6	Academic and career interest standards-based learning experiences (to include four (4) standards-based learning experiences in an academic or career interest based on the student's Individual Learning Plan; and Demonstrated performance based competency in technology.)
Total	22	Credits to earn a Scholastic Diploma

Each student will complete an ILP (Individual Learning Plan) that emphasizes career plans and courses a student intends to take. Students must take and pass a Civics Exam in order to graduate. Graduation class of 2023 must complete one of 8 graduation qualifiers. Graduation class of 2024 must complete one qualifier and one prerequisite.

See WCHS requirements for academic and scholastic diplomas.

Graduation Qualifiers For Students Entering High School in 2019-2020 (Complete One)

Precollege curriculum as established by the Council on Postsecondary Education in 13 KAR 2:020

Benchmark score in one section of a **college admissions or placement examination** as established by the Council on Postsecondary Education in 13 KAR 2:020

Three postsecondary credit hours or more of a Kentucky Department of Education-approved dual credit course with a grade of C or higher

One course and corresponding assessment meeting the following criteria: **Advanced placement (AP)** with a score of three or higher; or **Cambridge Advanced International (CAI)** with a score at or above benchmark; or **International Baccalaureate (IB)** with a score of five or higher

Industry certification as approved by the Kentucky Workforce Innovation Board

Four credits from valid courses within a single KDE-approved **career pathway**

Two years of a KDE-approved or Kentucky Labor Cabinet-approved **pre-apprenticeship** or **apprenticeship**

A KDE-approved process to verify **500 hours of exceptional work experience, or alternative requirements** as prescribed in a student's IEP

Graduation Prerequisites For Students Entering High School in 2020-2021 (Meet One or a combination of the following to demonstrate basic competence in reading and math)

The student's **10th-grade** state-required assessments in reading and mathematics meet the minimum criteria. The minimum criteria shall include **scoring, at least, as an Apprentice in reading and mathematics** in the state-required assessments approved by the Kentucky Board of Education. Students who do not meet the minimum criteria on one or both assessments may retake the reading and/or mathematics assessments twice annually in the 11th and 12th grades of high school enrollment.

Score Proficient or higher for reading or mathematics or both reading and mathematics, if applicable, on the student's 8th-grade state-required assessment.

The principal may **submit a collection of the following student evidence** to the superintendent or designee for review and approval: the student's ILP that includes student transcript; if applicable, for students with IEPs, evidence that the student has achieved progress on measurable annual IEP goals as determined by the Admissions and Release Committee; performance on the 10th-grade state-required assessments in reading or mathematics; and appropriate interventions, targeted to the student's needs, provided to the student to ensure support was offered and accessible in order for the student to meet the requirements outlined in the administrative regulation.

Minimum Scholastic Diploma Requirements

	9 th	10 th	11 th	12 th
English	English I	English II	English III	English IV
Math	Pre-Algebra (Class of 2023 only) Algebra	Algebra 1 (Class of 2023 only) Geometry	Geometry (Class of 2023 only) Algebra II	Algebra 2 (Class of 2023 only) Algebra III or Probability & Statistics
Science	Integrated Science	Biology	Physical Science	None required
Social Studies	World History	American Government	US History	None Required
PE/Health	To be taken Freshman Year			
Arts & Humanities	1/4 credit will be earned during the Freshman year	1/4 credit will be earned during the Sophomore year	1/4 credit will be earned during the Junior year	1/4 credit will be earned during the Senior year
Foreign Language	None Required	None Required	None Required	None Required
Electives	2	3	3	6

Each student will complete an ILP (Individual Learning Plan) that emphasizes career plans and courses a student intends to take. Students must take and pass a Civics Exam in order to graduate. Student must demonstrate performance-based competency in technology, receive instruction in financial literacy, and demonstrate essential workplace skills within four years of graduation. Graduation class of 2023 must complete one of 8 graduation qualifiers. Graduation class of 2024 must complete one qualifier and one prerequisite.

Minimum Academic Diploma Requirement

	9 th	10 th	11 th	12 th
English	English I or Honors English I	English II or Honors English II	English III, Honors English III, or AP English III	English IV, Honors English IV, English 101/161, or AP English IV
Math	Algebra I, or Honors Geometry	Geometry, Honors Geometry, or Honors Algebra II	Algebra II, Honors Algebra II, or Pre Calculus/	Pre Calculus, Probability & Statistics, or AP Calculus (if Pre Cal has been taken), Dual Credit Algebra (Math 111)
Science	Integrated Science, Biology, or Honors Biology	Biology, Honors Biology, Chemistry, or Honors Chemistry	Chemistry, Honors Chemistry, Physics, or Honors Physics	N/A
Social Studies	World History or Honors World History	American Government, Honors American Government, or AP American Government	US History, Honors US History, or AP US History	N/A
PE/Health	To be taken Freshman Year			
Foreign Language	n/a	n/a	n/a	Spanish I & II OR demonstrate World Language Proficiency
Electives	2	3	3	5

Each student will complete an ILP (Individual Learning Plan) that emphasizes career plans and courses a student intends to take. Students must take and pass a Civics Exam in order to graduate. Student must demonstrate performance-based competency in technology, receive instruction in financial literacy, and demonstrate essential workplace skills within four years of graduation. Graduation class of 2023 must complete one of 8 graduation qualifiers. Graduation class of 2024 must complete one qualifier and one prerequisite.

*Students on an accelerated path may follow a different sequence of classes.

Warren Central High School

Required Credits for Promotion

Students are required to obtain a minimum of 22 credits to graduate.

Kentucky Law requires 22 credits fall under the required graduation courses. If a student has 30 credits, but he/she has not met the 22 required graduation courses, the student has not met the requirements to graduate.

The following table shows how many credits each class needs to proceed to the next grade level.

To be considered a.....

Freshman	0
Sophomore	5
Junior	11
Senior	16
Graduate	22

Pre-College Curriculum

First-time freshmen under age 21 who enroll in a four-year degree program at a Kentucky public university must complete the PCC. Students who transfer to a four-year degree program or convert to baccalaureate status with fewer than 22 semester credit hours may be subject to PCC.

Pre-College Curriculum

English/Language Arts

4 credits required English I, English II, English III, English IV (or AP English)

Mathematics

4 credits required Algebra I, Algebra II, Geometry, and Higher Level Math

Science

3 credits required credits to include life science, physical science, and earth/space science (at least one lab course)

Social Studies

3 credits required from U.S. History, Economics, Government, World Geography and World Civilization

Health

½ credit required

Physical Education

½ credit required

History and Appreciation of Visual, Performing Arts

1 credit required history and appreciation of visual and performing arts or another arts course that incorporates such content

Foreign Language

2 credits required or demonstrated competency

Electives

4 credits required (*4 rigorous*) Recommended strongly: 1 or more courses that develop computer literacy

TOTAL CREDITS: 22

Performance Based Credit

In addition to Carnegie units, students may earn credit toward high school graduation through the District's standards-based, performance-based credit system that complies with requirements of Kentucky Administrative Regulation. Procedures for developing and amending the system shall address the following:

1. Conditions under which high school credit will be granted under the system that allow students to demonstrate proficiency and earn credit for learning acquired outside the normal classroom setting, outside of school, or in prior learning;

Performance-based credit may be earned while the student is still "in school," but the instructional setting will look different from a traditional "seat time" environment.

2. Performance descriptors and their linkages to State content standards and academic expectations;
At the high school level, performance descriptors and evaluation procedures shall be established to determine if the content and performance standards have been met.
3. Assessments and the extent to which state-mandated assessments will be used;
4. An objective grading and reporting process; and
5. Criteria to promote and support school and community learning experiences, such as internships and cooperative learning, in support of a student's individual learning plan. Such experiences shall be supervised by qualified instructors and aligned with State and District content and performance standards.

Students may receive credit toward graduation requirements by successfully completing performance-based credits in accordance with the following guidelines:

1. Students may earn performance-based credit:
 - a. as credit recovery (to complete the eight (8) semester high school course of study);
 - b. if the student is taking a performance-based course for acceleration purposes; or
 - c. if the student is taking a course designated as "performance-based".
2. In addition to 1 (a), (b), or (c) above, students taking performance-based courses must be enrolled in the District's Lighthouse Academy High School, Greenwood High School, South Warren High School, Warren Central High School, Warren East High School, or any of their respective feeder schools.

Any District school choosing to participate in a performance-based credit system will develop performance descriptors and assessments for measuring student progress. Participating schools will determine in which content areas students may earn credits

English Secondary Language Department

Course: ESL I
Credit: 1
Length: All year
Grade Level: 9-12
Prerequisite: English spoken as Second Language Score 0-1 on Language Assessment Scale Test

Course Description:

Introductory course to English as a second language for the student of limited English proficiency. Course focuses on the development of the four basic communication skills of listening, speaking, reading, and writing in English. Placement through English language proficiency assessment and evaluation by the counselor and ESL specialist. This ESL course should address all four language domains (reading, writing, speaking and listening) and adhere to the WIDA English Language Development (ELD) Standards.

Course: ESL II
Credit: 1
Length: All year
Grade Level: 9-12
Prerequisite: English spoken as a Second Language Score Level 2 on Language Assessment Scale test

Course Description:

This course continues the study of English begun in 160121. Academic content is learned through the English language, as the four basic communication skills of listening, speaking, reading, and writing in English are developed. Prerequisite: 160121 or placement through English language proficiency assessment and evaluation by counselor and ESL specialist. This ESL course should address all four language domains (reading, writing, speaking and listening) and adhere to the WIDA English Language Development (ELD) Standards.

Course: ESL III
Credit: 1
Length: All year
Grade Level: 9-12
Prerequisite: English spoken as a Second Language Score Level 3 on Language Assessment Scale test

Course Description:

This course continues the study of English begun in 160121 and 160122. Academic content is learned through the English language, as the four basic communication skills of listening, speaking, reading, and writing in English are developed. Prerequisite: 160122 or placement through English language proficiency assessment and evaluation by counselor and ESL specialist. This ESL course should address all four language domains (reading, writing, speaking and listening) and adhere to the WIDA English Language Development (ELD) Standards.

Course: ESL IV
Credit: 1
Length: All year
Grade Level: 9-12
Prerequisite: English spoken as Second Language Score 3-4 on Language Assessment Scale Test

Course Description:

This course continues the study of English begun in 160121,160122, and 160123. Academic content is learned through the English language, as the four basic communication skills of listening, speaking, reading, and writing in English are developed. Prerequisite: 160123 or placement through English language proficiency assessment and evaluation by counselor and ESL specialist. This ESL course should address all four language domains (reading, writing, speaking and listening) and adhere to the WIDA English Language Development (ELD) Standards.

Course: ESL/Spec. Topics---Math
Credit: 1
Length: All year
Grade Level: 9-12
Prerequisite: English spoken as Second Language Score 0-1 on Language Assessment Scale Test

Course Description:

This course focuses on English language and basic mathematical concepts and skills needed by LEP students with little or no prior academic experience in mathematics. Emphasis is on the development of English skills needed to be successful in mathematics courses.

Course: ESL/Spec. Topics---Social Studies
Credit: 1
Length: All year
Grade Level: 9-12
Prerequisite: English spoken as Second Language Score 0-1 on Language Assessment Scale Test

Course Description:

This course presents skills and content, equivalent to those taught in general education social studies courses, to the student of limited English proficiency. Instruction and reading materials are adapted to ensure comprehension by the ELL student. This ESL course should address all four language domains (reading, writing, speaking and listening) and adhere to the WIDA English Language Development (ELD) Standards.

Course: ESL/Spec. Topics---Science
Credit: 1
Length: All year
Grade Level: 9-12
Prerequisite: English spoken as Second Language Score 0-1 on Language Assessment Scale Test

Course Description:

This course presents skills and content, equivalent to those taught in general education science courses, to the student of limited English proficiency. Instruction and reading materials are adapted to ensure comprehension by the ELL student. This ESL course should address all four language domains (reading, writing, speaking and listening) and adhere to the WIDA English Language Development (ELD) Standards.

Course: Study Skills

Credit: 1

Length: All year

Grade Level: 9-12

Prerequisite: English spoken as Second Language Score 0-1 on Language Assessment Scale Test

Course Description:

This course refines the research, study and test-taking skills of the ELL student to ensure the student has the support to achieve academically in general education courses. This ESL course should address all four language domains (reading, writing, speaking and listening) and adhere to the WIDA English Language Development (ELD) Standards.

Language Arts Department

Course Information/Description

Courses offered in the Language Arts Department:

English Classes:

- English 1
- Honors English 1
- English 2
- Honors English 2
- English 3
- Honors English 3
- English 4
- Honors English 4
- AP Language and Composition (English 3)
- AP Literature and Composition (English 4)
- English 101 (dual credit)*
- English 161 (dual credit)*

*Please note that when the English 101 and English 161 Dual Credit courses are taken, they serve as English IV credit for high school

English Electives:

- Creative Writing
- Introduction to Theatre
- Theatre II
- Broadcast Journalism

Foreign Language:

- Spanish 1
- Spanish 2
- French 1
- French 2

Language Arts Department

Course: English I
Diploma Level: Academic or Scholastic
Credit: 1
Length: All year
Grade 9
Prerequisite: None

Course Description:

*Course Required for Graduation. The courses are designed to present a wide range of reading experiences with print and non-print materials that have literary, informational, persuasive, and practical purposes. The courses also require students to use the writing process and criteria for effective writing to demonstrate their abilities to write in a variety of forms and for multiple audiences and purposes. Students use writing-to-learn and writing-to-demonstrate-learning strategies to make sense of their reading and thinking experiences. Speaking, listening, and observing skills are used to communicate information for a variety of authentic purposes. In addition, students continue to integrate inquiry skills and technology to communicate ideas.

***** .125 Arts & Humanities Credit will be awarded with the completion of this course based on the completion of the embedded Drama Standards.**

Course: Honors English I
Diploma Level: Academic or Scholastic
Credit: 1
Length: All year
Grade Level: 9
Prerequisite: Placement determined by successful completion of 8th grade English, overall grade in 8th grade English (85+), teacher recommendation, and scores from SRI.

Course Description:

This course, the first of the English college-preparatory courses, is designed for students who wish to develop the rhetorical analysis, composition and critical thinking skills required for success in college. The four areas of emphasis in this course are developing critical thinking and analytical reading skills through an intensive reading program of novels, short stories, poetry, drama and nonfiction; developing analytical, narrative, expository and imaginative writing skills; building competency in grammar and improving vocabulary knowledge. Students will be required to complete assignments outside of designated class times.

***** .125 Arts & Humanities Credit will be awarded with the completion of this course based on the completion of the embedded Drama Standards.**

Course: English II
Diploma Level: Academic or Scholastic
Credit: 1
Length: All year
Grade Level: 10
Prerequisite: None

Course Description:

*Course Required for Graduation. The courses are designed to present a wide range of reading experiences with print and non-print materials that have literary, informational, persuasive, and practical purposes. The courses also require students to use the writing process and criteria for effective writing to demonstrate their abilities to write in a variety of forms and for multiple audiences and purposes. Students use writing-to-learn and writing-to-demonstrate-learning strategies to make sense of their reading and thinking experiences. Speaking, listening, and observing skills are used to communicate information for a variety of authentic purposes. In addition, students continue to integrate inquiry skills and technology to communicate ideas.

Course: Honors English II
Diploma Level: Academic or Scholastic
Credit: 1
Length: All year
Grade Level: 10
Prerequisite: Placement determined by successful completion of English I, overall grade in English I (85+), teacher recommendation, and SRI (at or above benchmark).

Course Description:

Pre-Advanced Placement English II builds on the rhetorical analysis reading and writing skills and critical thinking strategies fostered in Honors English I through a study of literary genres that come predominantly from American literature through a study of grammar and usage, class discussions, projects, presentations, independent reading, research and writing. Students will be required to complete assignments outside of designated class times, including a summer assignment.

Course: English III
Diploma Level: Academic or Scholastic
Credit: 1
Length: All year
Grade Level: 11
Prerequisite: None

Course Description:

*Course Required for Graduation. The courses are designed to present a wide range of reading experiences with print and non-print materials that have literary, informational, persuasive, and practical purposes. The courses also require students to use the writing process and criteria for effective writing to demonstrate their abilities to write in a variety of forms and for multiple audiences and purposes. Students use writing-to-learn and writing-to-demonstrate-learning strategies to make sense of their reading and thinking experiences. Speaking, listening, and observing skills are used to communicate information for a variety of authentic purposes. In addition, students continue to integrate inquiry skills and technology to communicate ideas. Course adheres to Kentucky Academic Standards requirements.

***** .125 Arts & Humanities Credit will be awarded with the completion of this course based on the completion of the embedded Drama Standards.**

Course: Honors English III
Diploma Level: Academic or Scholastic
Credit: 1
Length: All year
Grade Level: 11
Prerequisite: Placement determined by successful completion of English II, overall grade in English II (85+), teacher recommendation, and SRI (at or above benchmark).

Course Description:

This course continues to develop student competency in various language arts skills and to enrich student knowledge of literary genres focusing on American authors and culture. Content emphasizes instruction in essay composition, the research process, research paper, grammar, oral language, literature appreciation/comprehension, and the Arts and Humanities curriculum. Students will be presented with higher-level expectations to prepare for an AP senior English class. Students are required to take the On-Demand test and ACT as part of the mandated state assessment. Students will be required to complete assignments outside of designated class times. A summer assignment may be required.

***** .125 Arts & Humanities Credit will be awarded with the completion of this course based on the completion of the embedded Drama Standards.**

Course: AP English III/Language and Composition
Diploma Level: Academic or Scholastic
Credit: 1
Length: All year
Grade Level: 11
Prerequisite: ACT benchmark of 18 in English or 20 in Reading on official or practice tests, On-grade level SRI scores, and teacher recommendation

Course Description:

English III course. The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods. College credit is earned with a qualifying score on an AP exam. Students will be required to complete assignments outside of class time.

***** .125 Arts & Humanities Credit will be awarded with the completion of this course based on the completion of the embedded Drama Standards.**

Course: English IV
Diploma Level: Academic or Scholastic
Credit: 1
Length: All year
Grade Level: 12
Prerequisite: None

Course Description:

*Course Required for Graduation. The courses are designed to present a wide range of reading experiences with print and non-print materials that have literary, informational, persuasive, and practical purposes. The courses also require students to use the writing process and criteria for effective writing to demonstrate their abilities to write in a variety of forms and for multiple audiences and purposes. Students use writing-to-learn and writing-to-demonstrate-learning strategies to make sense of their reading and thinking experiences. Speaking, listening, and observing skills are used to communicate information for a variety of authentic purposes. In addition, students continue to integrate inquiry skills and technology to communicate ideas. Course adheres to Kentucky Academic Standards

Course: Honors English IV
Diploma Level: Academic or Scholastic
Credit: 1
Length: All year
Grade Level: 12
Prerequisite: ACT benchmark of 18 in English or 20 in Reading, On-grade level Lexile scores, and teacher recommendation

Course Description:

This course further develops student competencies in use of critical thinking strategies in support of reading comprehension, as well as writing. Literacy study will focus on the literature of Great Britain and selected works from non-European cultures. Writing will focus on expository and transactive formats (essays, critiques, speeches, letters, articles, editorials, etc.). A research paper is required for all students in order to prepare for academic writing and CCR standards. Students are required to complete assignments outside of designated class times. Summer assignment may be required.

Course: AP English IV Literature & Composition
Diploma Level: Academic or Scholastic
Credit: 1
Length: All year
Grade Level: 12
Prerequisite: ACT benchmark of 20 in Reading, On-grade level Lexile scores, and teacher recommendation

Course Description:

English IV course. The AP English Literature and Composition course aligns to an introductory college-level literary analysis course. The course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works. College credit is earned with a qualifying score on an AP exam.

Course: English 101
Diploma Level: Academic
Credit: 1
Length: Semester
Grade Level: 12
Prerequisite: ACT English benchmark of 18, on grade level SRI scores, and Teacher Recommendation.

Course Description:

This course addresses the needs of College Writing I to expose students to the types of writing required in college courses. Students will be involved in drafting and revising essays that express ideas in standard English. Students will also be engaged in critical thinking and reading, responding to texts, addressing specific audiences, and researching and documenting sources. The second semester will address the different types of literature - short story, poetry and drama. demonstrating techniques by which literary artists reflect human experience. Substantial student writing about literature will be required.

Course: English 161
Diploma Level: Academic
Credit: 1
Length: Semester
Grade Level: 12
Prerequisite: English 101, ACT English benchmark of 18

Course Description:

Introduces students to an analytical rather than historical approach to literature in order to deepen students' insight into the nature and purpose of literature.

Language Arts Electives

Course: Creative Writing
Diploma Level: Academic or Scholastic
Credit: 1
Length: All year
Grade Level: 9-12
Prerequisite: None

Course Description:

Content for this course may vary but should provide students an opportunity to analyze and create works such as short stories, one-act plays, spoken word poetry and other types of poetry and/or personal, expressive pieces.

Course: Introduction to Theatre
Diploma Level: Academic or Scholastic
Credit: 1
Length: All year
Grade Level: 9-12
Prerequisite: None

Course Description:

Introduction to Theatre is designed to develop a knowledge of theatrical concepts and techniques that will enable students to create new theatre pieces (work-in-progress/complete), perform existing theatre works and respond to both studio exercises and performances. Introduction to Theatre covers multiple styles of dramatic literature and uses a variety of connections to historical and cultural contexts. Introduction to Theatre sets the stage for both a performance and a technical theatre emphasis and students engage on a basic level with skills and knowledge in and of: acting and improvisation, theatre design and technology, theatre history and appreciation, dramatic literature and critique, and theatre administration. Students will be required to complete a project outside of designated class times.

Course: Theatre II- Theatre Design and Technology
Diploma Level: Academic or Scholastic
Credit: 1
Length: All year
Grade Level: 10-12
Prerequisite: Introduction to Theatre

Course Description:

Students refine skills to create a script suitable for theatre, film and/or television production. They also study the appropriate techniques of each genre develop a personal voice, style, and aesthetic by examining various playwrights and screenwriters. Students examine the creative writing craft, scene writing, script development, stage and/or camera instructions, line and moment analysis, script reading, script editing, and the creation of a full production. Students write original scenes, one-act plays, or full scripts. These courses provide a discussion of career and post-secondary placement opportunities.

Course: Literature in Film
Diploma Level: Academic or Scholastic
Credit: 1
Length: All year
Grade Level: 9-12
Prerequisite: None

Course Description:

Special Topics: focused on a specific genre

Course: History and Appreciation of Visual and Performing Arts Survey
Diploma Level: Academic or Scholastic
Credit: 1
Length: All year
Grade Level: 9-12
Prerequisite: None

Course Description:

Students are introduced to a survey of significant works, artists, and movements that have shaped the arts world and have influenced or reflected various periods of history in the arts disciplines of dance, music, theatre and visual art. Course content emphasizes the sequential evolution of art forms, techniques, symbols, and themes within those disciplines. The course covers the connections of the arts to cultural, social, political, and historical events throughout the world. Critical analysis of works from the disciplines, as they communicate and express the history, needs, and ideals of society and individuals is included. The course provides for students to experience creating, performing/presenting/producing, responding and connecting their own works as well as the works of others.

Foreign Language Department

Course: Spanish I
Diploma Level: Academic
Credit: 1 (performance based)
Length: Semester
Grade Level: 10-12

Course description:

High School course. Introductory course. It engages students in the target language with developmentally appropriate activities to acquire the language necessary to communicate (interpret, exchange, and present information, concepts and ideas both within the classroom and beyond on a variety of topics including connections to other subject areas). Cultural aspects are typically included in order to understand the relationship among the products, practices and perspectives of the target language culture. In addition, students develop insight into their own language and culture.

Course: Spanish II
Diploma Level: Academic
Credit: 1 (performance based)
Length: Semester
Grade Level: 10-12
Prerequisite: Spanish I

Course description:

High School course. Intermediate course. It engages students in the target language with developmentally appropriate activities to acquire the language necessary to communicate and the skills necessary to perform interpersonal, interpretive and presentational communicative tasks; interpret, exchange, and present, information, concepts and ideas both within the classroom and beyond on a variety of topics including connections to other subject areas; and understand the relationship among the products, practices and perspectives of other cultures. In addition, students develop insight into their own language and culture.

Course: French I
Diploma Level: Academic
Credit: 1 (performance based)
Length: Semester
Grade Level: 10-12

Course description:

High School course. Introductory course. It engages students in the target language with developmentally appropriate activities to acquire the language necessary to communicate (interpret, exchange, and present information, concepts and ideas both within the classroom and beyond on a variety of topics including connections to other subject areas). Cultural aspects are typically included in order to understand the relationship among the products, practices and perspectives of the target language's culture. In addition, students develop insight into their own language and culture.

Course: French II
Diploma Level: Academic
Credit: 1 (performance based)
Length: Semester
Grade Level: 10-12
Prerequisite: French I

Course description:

High School course. Intermediate course. It engages students in the target language with developmentally appropriate activities to acquire the language necessary to communicate and the skills necessary to perform interpersonal, interpretive and presentational communicative tasks; interpret, exchange, and present, information, concepts and ideas both within the classroom and beyond on a variety of topics including connections to other subject areas; and understand the relationship among the products, practices and perspectives of other cultures. In addition, students develop insight into their own language and culture.

Math

Course Information/Description

The sequence of three courses required for a high school diploma (Algebra I, Geometry, and Algebra II) must be completed by the end of the senior year. **Mathematics shall be taken each year of high school.**

Courses offered in the Math Department:

- Algebra I
- Geometry
- Geometry Honors
- Algebra II
- Algebra II Honors
- Algebra III
- Probability and Statistics
- Pre-Calculus
- Calculus AB
- Calculus BC
- Math 111 (Dual Credit Math through Campbellsville University)

Math Department

Course: Algebra I
Diploma Level: Academic or Scholastic
Credit: 1
Length: All year
Grade Level: 9
Prerequisite: none

Course Description:

Upon completion of the course, students should be able to represent relationships mathematically, develop fluency in writing, interpret expressions and equations, translate between various forms of linear equations and inequalities and use them to solve problems including those that require a system of equations, solve linear equations, apply related solution techniques and the laws of exponents to solve simple exponential equations, understand function definition and notation, contrast linear and exponential graphical representations, make judgments about the appropriateness of linear models, perform arithmetic operations on inequalities, interpret functions and fluently use function notation, construct and compare linear and exponential models and solve related problems, factor quadratic and cubic expressions solve quadratic equations to interpret related quadratic functions and explore non-linear relationships.

Course: Algebra II
Diploma Level: Academic or Scholastic
Credit: 1
Length: All year
Grade Level: 10-11
Prerequisite: Algebra I

Course Description:

Upon completion of the course, students should be able to use properties of numerical operations to perform calculations involving polynomials,, identify zeros of polynomials and make connections between zeros of polynomials and solutions of geometry to extend trigonometry to model periodic phenomena, work with a variety of function families exploring the effects of transformations, analyze functions using different representations, build, interpret and compare functions including square root, cube root, piecewise, trigonometric and logarithmic functions, identify appropriate functions to model situations, adjust parameters to improve the models, and compare models by analyzing appropriateness of fit.

Course: Honors Algebra II
Diploma Level: Academic
Credit: 1
Length: All year
Grade Level: 10-11
Prerequisite: Algebra I
Placement Requirement: Placement determined by overall grade in previous math class (85+), teacher recommendation, and scores from STAR (at or above benchmark).

Course Description:

This course is designed for students who have demonstrated a high level of understanding and proficiency in concepts and skills of Algebra I. Upon completion of the course, students should be able to use properties of numerical operations to perform calculations involving polynomials,, identify zeros of polynomials and make connections between zeros of polynomials and solutions of geometry to extend trigonometry to model periodic phenomena, work with a variety of function families exploring the effects of transformations, analyze functions using different representations, build, interpret and compare functions including square root, cube root, piecewise, trigonometric and logarithmic functions, identify appropriate functions to model situations, adjust parameters to improve the models, and compare models by analyzing appropriateness of fit.

Course: Geometry
Diploma Level: Academic or Scholastic
Credit: 1
Length: All year
Grade Level: 9 - 11
Prerequisite: Algebra I

Course Description:

Upon completion of the course, students should be able to prove theorems and solve problems about triangles, quadrilaterals, and other polygons, apply reasoning to complete geometric constructions and explanations, establish triangle congruence criteria based on analyses of rigid motions and formal constructions, use similarity to solve problems and apply similarity in right triangles to understand right triangle trigonometry (with particular attention to special right triangles and the Pythagorean theorem), develop the Law of Sines and Cosines from understanding relationships in right triangles, apply knowledge of two-dimensional shapes to consider the shapes of cross-sections and the result of rotating a two-dimensional object about a line, connect algebraic concepts to geometric concepts through the rectangular coordinate system (such as deriving the equation of a circle given the center and radius length using the distance formula or Pythagorean Theorem) and prove basic theorems about circles, chords, secants, and tangents.

Course: Honors Geometry
Diploma Level: Academic
Credit: 1
Length: All year
Grade Level: 9-10
Prerequisite: Algebra I
Placement Requirement: Current eighth graders enrolled in Algebra I will be placed in this course based on 8th grade teacher recommendation. Placement for incoming 10th graders determined by overall grade in Algebra I (85+), teacher recommendation, and STAR scores (at or above benchmark).

Course Description:

This course is designed for students who have demonstrated a high level of understanding of and proficiency in concepts and skills in Algebra I. Upon completion of the course, students should be able to prove theorems and solve problems about triangles, quadrilaterals, and other polygons, apply reasoning to complete geometric constructions and explanations, establish triangle congruence criteria based on analyses of rigid motions and formal constructions, use similarity to solve problems and apply similarity in right triangles to understand right triangle trigonometry (with particular attention to special right triangles and the Pythagorean theorem), develop the Law of Sines and Cosines from understanding relationships in right triangles, apply knowledge of two-dimensional shapes to consider the shapes of cross-sections and the result of rotating a two-dimensional object about a line, connect algebraic concepts to geometric concepts through the rectangular coordinate system (such as deriving the equation of a circle given the center and radius length using the distance formula or Pythagorean Theorem) and prove basic theorems about circles, chords, secants, and tangents.

Course: Algebra III
Diploma Level: Academic or Scholastic
Credit: 1
Length: All year
Grade Level: 12
Prerequisite: None

Course Description:

The content of this course goes beyond a traditional Algebra 2 course and should provide opportunities for students to: solve applied (in context) problems using various types of equations (linear, quadratic, exponential, trigonometric, logarithmic and power functions piecewise), read and analyze real-life problems using mathematical modeling, perform matrix operations, graph and interpret data represented by linear, quadratic, exponential, logarithmic and power functions, use numerical and graphical data to make reasonable and valid conclusions, solve applied problems that can be modeled with equations and inequalities involving absolute value, solve systems of linear equations using several techniques including matrices, use and verify trigonometric identities, solve applied problems that can be modeled with exponential and logarithmic equations, find terms of sequences and find the sum of finite series.

Course: Pre-Calculus
Diploma Level: Academic
Credit: 1
Length: All year
Grade Level: 11-12
Prerequisite: Algebra I, Geometry, Algebra II and ACT score of 19 on the math section
Placement Criteria: Current 9th and 10th grade students enrolled in Honors Algebra II will enroll in Pre-Calculus. Any junior with a math ACT score of 22 or higher may enroll in Pre-Cal.

Course Description:

Objectives for this course should include, but are not limited to: solve equations and inequalities involving polynomial, rational, exponential, logarithmic and trigonometric functions, understand and apply the behavior and properties of polynomial, rational, exponential, logarithmic, and trigonometric functions, graph polynomial, rational, exponential, logarithmic, and trigonometric functions, use technology to solve and graph various types of equations and inequalities and prove trigonometric identities.

Course: Probability and Statistics
Diploma Level: Academic
Credit: 1
Grade Level: 12
Length: All Year
Prerequisite: ACT score of 19 or higher on the math section

Course Description:

This course should focus primarily on the conceptual categories: Statistics & Probability and Modeling to address such concepts as theoretical and experimental probability, independent and conditional probability using them to interpret data, rules of probability to compute probabilities of compound events in a uniform probability model, calculations of expected values, analysis of decisions and strategies using probability concepts, binomial distributions, normal distributions, displaying and describing distributions of data, collecting data, measures of central tendency and spread and methods of inferential statistics. *Technology should be an integral part of this course to generate plots, regressions functions and correlation coefficients and to simulate possible outcomes relatively quickly based on a given situation.*

Course: AP Calculus AB
Diploma Level: Academic
Credit: 1
Length: All year
Grade Level: 12
Prerequisite: Pre-Calculus
Placement Criteria: Students that have completed Pre-Cal and have a math ACT score of 22 or higher may enroll in AP Calculus.

Course Description:

AP Calculus AB is roughly equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. The AP course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. College credit is earned with a qualifying score on an AP exam.

Course: AP Calculus BC

Diploma Level: Academic

Credit: 1

Length: All year

Grade Level: 12

Prerequisite: Pre-Calculus

Placement Criteria: Students that have completed Pre-Cal and have a math ACT score of 22 or higher may enroll in AP Calculus.

Course Description:

AP Calculus BC is roughly equivalent to both first and second semester college calculus courses. It extends the content learned in AB to different types of equations (polar, parametric, vector valued) and new topics (such as Euler's method, integration by parts, partial fraction decomposition, and improper integrals), and introduces the topic of sequences and series. The AP course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, and series. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. College credit is earned with a qualifying score on an AP exam.

Course: Math 111

Diploma Level: Academic

Credit: 1

Length: All year

Grade Level: 12

Prerequisite: Algebra II

Placement Criteria: ACT score of 19 or higher on the math section

Course Description:

Science Department

Course Information/Description

Courses offered in the Science Department:

Science Classes:

- Integrated Science
- Biology
- Honors Biology
- Chemistry
- Honors Chemistry (Dual Credit Chem 105)
- Physics
- Honors Physics
- Physical Science
- AP Biology
- AP Chemistry
- AP Physics

Science Electives:

- Introduction to Organic Chemistry (Dual Credit Chem 107)
- Marine Biology
- Zoology
- Engineering
- Computer Science
- Medical Science
- Anatomy and Physiology
- Astronomy
- Forensic Science

Students wishing to enroll in Honors or AP Science classes must have one of the following:

85% or better in completed science and math class

Teacher recommendation form filled out by current Science or Math Teacher

Teacher recommendation for students who do not have an 85% in their current science and math classes must include the following:

- Student work ethic and effort in class and attitude toward teacher/peers
- Student attendance, punctuality & discipline
- Student comprehension of high-level reading and student writing ability

For the Academic diploma students are required to complete Biology, Chemistry, and Physics.

Science Department

Course: Integrated Science
Diploma Level: Academic or Scholastic
Credit: 1 (All year)
Grade Level: 9
Prerequisite: None

Course Description:

This lab-based introductory course is organized based on the topical structure contained in the Kentucky Academic Standards for Science. Integrated Science I includes those standards listed within the topics of: Structure and Properties of Matter, Chemical Reactions, Structure and Function, Interdependent Relationships in Ecosystems, and Earth's Systems. These topics provide the foundational concepts needed for successive Integrated Science courses to build upon. This course covers such topics as energy, forces, environmental, earth and space issues. It strives to use scientific information to understand everyday occurrences. Including with each lesson are exercises designed for improvement of science measuring and science reasoning skills.

Course: Biology I
Diploma Level: Academic or Scholastic
Credit: 1 (All year)
Grade Level: 9-10
Prerequisite: Freshmen should be reading on grade level

Course Description:

Students develop a conceptual understanding of biological sciences, as outlined in the Kentucky Academic Standards for Science. They experience concepts such as the cellular organization; molecular basis of heredity; biological change; interdependence of organisms; matter, energy and organization in living systems; and behavior of organisms. Biology is the scientific study of living things. It begins with a discussion of the unique chemistry of living things and the properties that set them apart from non-living. Other topics studied include biochemistry, cytology (cell structures and functions), heredity, the five kingdoms of life (with particular emphasis on human anatomy and physiology), and ecology.

Course: Honors Biology I
Diploma Level: Academic
Credit: 1 (All year)
Grade Level: 9-10
Prerequisite: Placement will be determined by SRI, STAR Math, and Teacher Recommendation. Students should be reading on grade level.

Course Description:

Honors Biology I covers the same topics and content as Biology I but in greater depth of knowledge and content. Special topics may also be included and/or special projects may also be required. This course is designed to exceed the requirements for Biology I in order to greater prepare students to take AP Biology.

Course: AP Biology
Diploma Level: Academic
Credit: 1 (All year)
Grade Level: 10-12
Prerequisite: Previously or concurrently taking a Chemistry I course and have an 85% or higher in their Biology I class.

Course Description:

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions. College credit is earned with a qualifying score on an AP exam. AP Biology is designed for students who wish to be challenged. It is an excellent preparation for those interested in medical or biologically related careers. Topics include those normally covered in a college biology course: Biochemistry and Cytology; Genetics and Embryology; Taxonomy, Botany, Human Anatomy and Physiology, Population Genetic and Ecology. Laboratories include activities not possibly in Biology I.

Course: Physical Science
Diploma Level: Scholastic
Credit: 1 (All year)
Grade Level: 11-12
Prerequisite: Completion of Integrated Science and Biology

Course Description:

Students develop a conceptual understanding of physical science, as outlined in the Kentucky Academic Standards for Science. They experience physical science concepts such as structure of atoms, structure and properties of matter, chemical reactions, motions and forces, conservation of energy and increase in disorder, and interactions of energy and matter. This course introduces students to techniques and methods employed in environmental science, chemistry, and physics with emphasis on laboratory work in solving problems of a scientific nature.

Course: Chemistry I
Diploma Level: Academic
Credit: 1 (All year)
Grade Level: 10-12
Prerequisite: Biology. Must have completed Algebra I and be enrolled in Geometry or higher.

Course Description:

Chemistry is the study of the investigation of the property changes in materials from the smallest part of the atom to the most complex molecules. Equations and reactions will be studied as a preparation for laboratory work. Earth Applications in Chemistry will be concentrated on the Earth's sources of energy, and the physical and chemical changes of matter that result from these sources of energy.

Course: Honors Chemistry I
Diploma Level: Academic
Credit: 1 (All year) (Dual credit possible from WKU)
Grade Level: 9-11
Prerequisite: Must meet all Chemistry I requirements plus have an 85% or above in previous years math and science classes or a teacher recommendation from your math or science instructor

Course Description:

Honors Chemistry I covers the same topics and content as Chemistry I but in greater depth of knowledge and content. Special topics may also be included and/or special projects may also be required. This course is designed to exceed the requirements for Chemistry I in order to greater prepare students to take AP Chemistry. Pre-AP Chemistry is also a SPAN class in association with the WKU chemistry department. Students have an opportunity to receive dual credit from both Warren Central and WKU receiving a grade and credit for Chem 105/106. These four hours of college credit are transferable to most universities. Students wishing to receive SPAN credit at WKU must also apply and be accepted to WKU through the dual credit application and pay WKU tuition for the SPAN credit hours. Students should consider their goals and possible major for the type of college credit they wish to earn. Taking the class for credit at WKU is completely optional and does not have an effect on the workload for the class.

Course: AP Chemistry
Diploma Level: Academic
Credit: 1 (All year)
Grade Level: 10-12
Prerequisite: Completion of Chemistry I with an 85% or better.

Course Description:

The AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as: atomic structure, acids, bases, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, electrochemistry, solution chemistry, gas laws, organic chemistry, biochemistry and equilibrium. Lab is an integral part of the class and requiring some after school hours for completion. College credit is earned with a qualifying score on an AP exam.

Course: Physics I
Diploma Level: Academic
Credit: 1 (All year)
Grade Level: 10-12
Prerequisite: Must have completed Biology, Chemistry, Algebra I, Geometry and enrolled in Algebra II or higher

Course Description:

Students develop a conceptual understanding of physics as outlined in the Kentucky Academic Standards for Science. They experience concepts such as motions and forces, conservation of energy and increase in disorder, interactions of energy and matter. Physics is the study of matter, motion, and energy. Physics tries to answer the question of why the universe behaves the way it does. Concepts ranging from falling elevators to lasers are explored. Demonstrations and laboratory exercises are an integral part of the course. The main topics covered are motion, force, energy, electricity, wave motion, light, and the formation of the universe and our solar system.

Course: Honors Physics I
Diploma Level: Academic
Credit: 1 (All year)
Grade Level: 10-12
Prerequisite: Must meet all Physics I requirements plus have an 85% or above in previous years math and science classes or a teacher recommendation from your math or science instructor

Course Description:

Honors Physics I covers the same topics and content as Physics I but in greater depth of knowledge and content. Special topics may also be included and/or special projects may also be required. This course is designed to exceed the requirements for Physics I in order to greater prepare students to take AP Physics.

Course: AP Physics
Diploma Level: Academic
Credit: 1 (All year)
Grade Level: 11-12
Prerequisite: Students who have completed Physics I with an 85% or higher and are enrolled in Pre-Calculus or AP Calculus

Course Description:

AP Physics part I is a challenging course. The concepts studied in a Physics I class are expanded and covered in greater detail. These include motion, force, wave motion electrostatics, circuits, and light. In addition, the areas of electromagnetism are introduced. As in Physics I, demonstrations and laboratory exercises are an integral part of the class. Students have the opportunity to take the AP Physics part 1 exam and earn college credit with a qualifying score on the AP exam. The AP Physics part 1 curriculum corresponds to the first semester of College Physics, which is the physics course for students majoring in a science or non-science field.

Science Electives

Course: Anatomy and Physiology
Diploma Level: Academic
Credit: 1 (Dual credit available from SKYCTC)
Length: All Year
Grade Level: 11-12
Prerequisite: Students must have completed Biology and either Chemistry I or Physics I

Course Description:

This course is for students who wish a more detailed explanation of the major systems of the human body. The course includes the Anatomy (structures) and Physiology (functions) of these systems. The class includes lecture, independent study, and hands-on activities, including dissection of specimens. This is a course for upper level students who are interested in Pre-Med, Nursing, Pre-Vet, or other related fields. This course counts as an advanced science class on the Academic Diploma. If taken for dual credit, \$174 tuition fee is assessed.

Course: Astronomy
Diploma Level: Academic
Credit: 1
Length: All Year
Grade Level: 11-12
Prerequisite: Physics I

Course Description:

Astronomy is the study of space and extra-terrestrial systems. The study will include a history of astronomy from the ancients to modern times, astronomical instruments, the solar system, stars, and stellar change over time. Students will learn modern astronomical image processing and spectra analysis as preparation to lab observation. This course focuses on the study of basic astronomical principles, stars, planets, and galaxies.

Course: Computer Science
Diploma Level: Academic or Scholastic
Credit: 1
Length: All Year
Grade Level: 10-12
Prerequisite: Algebra I

Course Description:

Students are introduced to the fundamentals associated with program design and development. Students design algorithms and programming solutions to a variety of computational problems. Topics include writing programs for graphics, formulas, basic data structures, and game design. At the end of the course, students will have the programming experience to pick up any programming language.

Course: Forensic Science
Diploma Level: Academic or Scholastic
Credit: 1
Length: All Year
Grade Level: 11-12
Prerequisite: Students must have completed at least two years of high school science

Course Description:

This course is a problem-based inquiry course dealing with Forensic sciences. The focus of this course would be learning about the techniques that scientists use in the investigation of crime scenes. Mock crime scenes will be analyzed and specific cases will be explored. Topics to be explored: evidence collection techniques, analysis of blood splatter, DNA analysis, cause, manner and mechanism of death.

Course: Introduction to Organic Chemistry/ Chemistry II
Diploma Level: Academic
Credit: 1
Length: All Year
Grade Level: 11-12
Prerequisite: Completion of at least 1 year of chemistry with an A or B average and received dual credit for Chem 105/106 from WKU (completion of AP Chemistry is preferred)

Course Description:

This college level course focuses on the study of the structure of matter, chemical kinetics, solution chemistry, and laboratory techniques. The focus of this course is a basic introduction to concepts learned in college level organic chemistry. We will focus on organic nomenclature, functional groups, basic substitution reactions, mechanistic organic chemistry, structure of matter, chemical kinetics, solution chemistry, and laboratory techniques. Labs will be a major focus as well. We will investigate the properties of each functional group in a lab setting and synthesize aspirin as well. This class could complete the second semester of SPAN Chemistry at Western and earn the students college credit for Chem 107/108 if the student elects to pay for the dual credit course.

Course: Marine Biology
Diploma Level: Academic or Scholastic
Credit: 1
Length: All Year
Grade Level: 10-12
Prerequisite: Biology I with a 75% or higher course average and students should be reading on grade level.

Course Description:

This course addresses key concepts related to marine science, including ocean zones, seawater, habitats, and marine taxonomy. This course will cover all marine phyla and explore the anatomy and physiology of each by performing dissections and/or other lab investigations. The course also focuses on special topics in marine science and current events that are applicable to marine science.

Course: Medical Science
Diploma Level: Academic or Scholastic
Credit: 1
Length: All Year
Grade Level: 10-12
Prerequisite: Biology. Students must have passed Biology with a 75% or higher.

Course Description:

This course uses health occupations as a vehicle to present the life science content outlined in the Kentucky Academic Standards for Science. The course is interdisciplinary in nature and integrates academic expectations and activities with the disciplines of life science, mathematics, health, social studies, language arts, arts and humanities, and vocational studies. During their study of medical science, students will gain an understanding of medical terminology, recent science research, pregnancy and human development, personality types, imaging techniques, various pathogenic agents, pathology and anatomy and physiology. During their study of medical science, students will gain an understanding of the normal structure and function of the human body through scientific inquiry. Life science conceptual understandings, applications, and connections make this science relevant to students. Anatomy, physiology, physics, and chemistry concepts are reinforced with real-life analogies and health-related examples are used to illustrate potentially difficult scientific concepts. This class includes lecture, guest speakers, guided research and multiple public speaking opportunities. This course is meant for upper level students interested in any of the allied health care fields.

Course: Principles of Engineering
Diploma Level: Academic or Scholastic
Credit: 1
Length: All Year
Grade Level: 10-12
Prerequisite: Algebra I

Course Description:

This course provides a project based learning approach to understanding the principles and concepts of physics and associated mathematics for most Engineering Technology programs. Students explore various careers and disciplines of engineering areas, problem solving and core technology such as, but not limited to; manufacturing, power/energy/transportation, robotics, hydraulics, electricity/electronics, communications, construction systems, alternative energy and computer aided design. Participation in Kentucky Technology Student Association will greatly enhance instruction. This course is designed as a comprehensive introduction to the engineering profession and provides a project-based learning approach to understanding the principles and concepts of physics and associated mathematics for most engineering technology programs. Classroom discussions and presentations will inform the students of the many different avenues available to one in the field of engineering students explore various careers and disciplines of engineering areas, problem solving, and core technology such as, but not limited to; manufacturing, power/energy/transportation, robotics, hydraulics, electricity/electronics, communications, construction systems, alternative energy and computer aided design. The emphasis of the course is designing and communicating the results. General concepts of the design process and problem solving are studied. Students will have the opportunity to practice their creative abilities both individually and in group design projects. Participation in Kentucky Technology Student Association will greatly enhance instruction.

Course: Zoology
Diploma Level: Academic or Scholastic
Credit: 1
Length: All Year
Grade Level: 10-12
Prerequisite: Biology I with a 75% or higher course average and students should be reading on grade level.

Course Description:

This course focuses on the study of the animal kingdom, including organ systems and dissection. In addition, this course discusses the branch of biology that deals with animals and animal life, including the study of the structure, physiology, development, and classification of animals. Some of the topics discussed include the classification of animal phyla including invertebrates (sponges, flatworms, mollusks, insects, arthropods, and echinoderms) and vertebrates (fishes, amphibians, reptiles, birds, and mammals.) This course is designed for the college-bound student and is a continuation of the basic biology course. Students should expect a demanding daily classwork load as well as projects, quizzes, tests, and laboratory write-ups. Laboratory and outdoor experiences complement classroom activities. Animal dissections and animal behavior labs are included with the course. A high level of understanding in problem solving and the scientific methods is necessary for success in this course.

Social Studies Department

Course Information

Courses offered in the Social Studies Department:

Social Studies Classes:

- World History**
- Honors World History**
- Government and Civics**
- Honors Government and Civics**
- AP United States Government and Politics**
- U.S. History: Reconstruction to Present**
- Honors U.S. History: Reconstruction to Present**
- AP U.S. History**

Social Studies Electives:

- African American Studies**
- Global Issues**
- Law and Justice**

Social Studies Department

Course: World History
Diploma Level: Academic or Scholastic
Credit: 1
Length: All Year
Prerequisite: Required for all freshmen

Course Description:

World History is a survey of the history of the world focusing on cultural and political aspects; ancient and modern history; the study of western and non-western civilizations; and current events. Of major importance will be the relation of these events to the shaping of our present lives as students will also study how World Geography & Cultures / Societies have impacted World Civilization.

***** .25 Arts & Humanities Credit will be awarded with the completion of this course based on the completion of the embedded Art and Music Standards.**

Course: Honors World History
Diploma Level: Academic
Credit: 1
Length: All Year
Grade Level: 9
Prerequisite: Freshmen: Teacher Recommendation & 85% in 8th grade social studies class.
Meet benchmark on grade level in most recent state reading test.

Course Description:

This course is required for 9th grade students that plan on continuing in the Honors / AP Program of Studies in Social Studies. This class is designed to prepare students for future AP Social classes their junior & senior years. Honors World History is a survey of the history of the world focusing on cultural & political aspects; ancient & modern history; the study of western & non-western civilizations; & current events. The course will center upon the period from 1500 to the present. Of major importance will be the relation of these events to the shaping of our present lives as students will also study how World Geography & Cultures & Societies have impacted World Civilization.

This class is a more rigorous version of World History that meets the same requirements but focuses heavily on primary source reading, historical research, and written analysis. Writing assignments will be an integral part of the student's grade. The topics will be similar to those in World History, but will be covered more in-depth and at a faster pace. This class also focuses on various principles of leadership, creative presentations, and student-led growth and achievement.

Upon completion of this course, students will be able to:

- Distinguish, analyze, evaluate, and summarize both primary and secondary sources for historical analysis.
- Organize research and person analysis of a historical topic into well-written narratives.
- Connect worldwide movements in history, such as the Enlightenment, Renaissance, and Reformation.
- Identify the strengths and weaknesses of leaders repeatedly seen throughout the world in the 18th and 19th centuries.
- Understand the global impact of 20th century events, specifically the Industrial Revolution and WWI and WWII.
- Analyze the causes and effects of nationalism and genocide.
- Interpret and appreciate history for both factual content and personal reflection.

***** .25 Arts & Humanities Credit will be awarded with the completion of this course based on the completion of the embedded Art and Music Standards.**

Course: Government and Civics
Diploma Level: Academic or Scholastic
Credit: 1
Length: All Year
Grade Level: 10
Prerequisite: Required for all sophomores

Course Description:

American Government is the study of the United States, local, and other political systems; recruitment; roles and decision making; official duties; executive, legislative, and judicial government branches.

American Government is the study of the major governments used around the world, specifically the United States government at all levels; federal, state, and local. We will focus on the recruitment of political officials, their roles, decision making, official duties, and the three branches of government; executive, legislative, and judicial. We will also study how government was utilized in the United States from our nation's birth leading up to the Civil War.

***** .25 Arts & Humanities Credit will be awarded with the completion of this course based on the completion of the embedded Art and Music Standards.**

Course: Honors Government and Civics
Diploma Level: Academic
Credit: 1
Length: All Year
Grade Level: 10
Prerequisite: Teacher Recommendation and 85% in Freshmen Social Studies class. Meet benchmark on grade level in most recent state reading test.

Course Description:

This course will be for 10th graders on an Academic diploma who plan on taking Honors or AP U.S. History their junior year. American Government is the study of the United States, local, & other political systems; recruitment; roles & decision making; official duties; executive, legislative, & judicial government branches. Students will also study how Economics has impacted American Government.

This course will be for 10th graders on an Academic Diploma who plan on taking Honors or AP US History their Junior year. American Government is the study of major governments used around the world, specifically the United States government at all levels; federal, state, and local. We will focus on the recruitment of political officials, their roles, decision making, official duties, and the three branches of government; executive, legislative, and judicial. We will also study how government was utilized in the United States from our nation's birth, leading up to the Civil War. There is also a focus on how economics has impacted American Government.

***** .25 Arts & Humanities Credit will be awarded with the completion of this course based on the completion of the embedded Art and Music Standards.**

Course: AP U.S. Government and Politics
Diploma Level: Academic
Credit: 1
Length: All Year
Grade Level: 10
Prerequisite: Teacher Recommendation & 85% in Freshmen Social Studies class. Must have top 20% Lexile Reading score.

Course Description:

This course introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. The course examines politically significant concepts and themes, through which students learn to apply disciplinary reasoning assess causes and consequences of political events, and interpret data to develop evidence based arguments. College credit is earned with a qualifying score on an AP exam.

AP U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behavior. They also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they complete a political science research or applied civics project.

***** .25 Arts & Humanities Credit will be awarded with the completion of this course based on the completion of the embedded Art and Music Standards.**

Course: United States History
Diploma Level: Academic or Scholastic
Credit: 1
Length: All year
Grade Level: 11
Prerequisite: Required for all juniors

Course Description:

U.S. History Survey is a basic overview of the history from Reconstruction to present; government institutions; applications to daily living. This course code will be deprecated in the 19-20 school year.

This course offers a broad overview of events, details, and analysis of documents that were created from American Reconstruction to the present. The students will have unit exams divided by time period which include; Unit 1: Conflict, Reconciliation, and Growth (1850-1900), Unit 2: Influence, Progress, and Power (1900-1929), Unit 3: Challenges, Conflict, and Reform (1926-1969), Unit 4: Protest, Innovation, and Security (1960-Present).

Students will:

1. Develop and appreciation for the study of U.S. History.
2. Master a broad body of historical knowledge.
3. Gain an understanding of the significant people, issues, ideas, and events of U.S. History.
4. Demonstrate an understanding of historical chronology.
5. Improve reading, writing, and research skills.
6. Improve critical thinking skills.
7. Analyze, interpret, evaluate, and apply data from original documents, including cartoons, graphs, letters, pictures.

Course:	Honors United States History
Diploma Level:	Academic
Credit:	1
Length:	All year
Grade Level:	11
Prerequisite:	Students must have an 85% in Sophomore Social Studies Class. Teacher recommendation required. Must meet benchmark on grade level in most recent state reading test.

Course Description:

This course will be for college bound 11th grade students. U.S. History survey is a basic overview of the history from colonial times to present; government institutions; applications to daily living. Students are required to complete the Quality Core U.S. History End-of-Course (EOC) exam upon completion of this course. This state exam counts 10% of the student's overall grade.

This course offers a broad overview of events, details, and analysis of documents that were created from American Reconstruction to the present. The students will have unit exams divided by time period which include; Unit 1: Conflict, Reconciliation, and Growth (1850-1900), Unit 2: Influence, Progress, and Power (1900-1929), Unit 3: Challenges, Conflict, and Reform (1929-1969), Unit 4: Protest, Innovation, and Security (1960- Present).

This class is a more rigorous version of US History that meets the same requirements but focuses heavily on primary source reading, historical research, and written analysis. Writing assignments will be an integral part of the student's grade. The topics will be similar to those in US History, but will be covered more in-depth and at a faster pace. This class also focuses on various principles of leadership, creative presentations, and student-led growth and achievement.

Students will:

1. Develop an appreciation for the study of U.S. history.
2. Master a broad body of historical knowledge.
3. Gain an understanding of the significant people, issues, ideas, and events of U.S. history.
4. Demonstrate an understanding of historical chronology.
5. Improve reading, writing, and research skills.
6. Improve critical thinking skills.
7. Analyze, interpret, evaluate and apply data from original documents, including cartoons, graphs, letters, pictures.

Course:	AP United States History
Diploma Level:	Academic
Credit:	1
Length:	All year
Grade Level:	11
Prerequisite:	Students must have an 85% in Honors Sophomore Social Studies Class. Teacher recommendation required. Students must complete a Summer Homework Assignment. Meet benchmark on grade level on most recent state test.

Course Description:

This course focuses on the development of historical thinking skills (chronological reasoning, comparing and contextualizing, crafting historical arguments using historical evidence, and interpreting and synthesizing historical narrative) and the development of students' abilities to think conceptually about U.S. history from approximately 1491 to the present. Seven themes of equal importance - American and National Identity; Migration and Settlement; Politics and Power; Work, Exchange, and Technology; America in the World; Geography and the Environment; and Culture and Society - provide areas of historical inquiry for investigation throughout the course. These require students to reason historically about continuity and change over time and make comparisons among various historical developments in different times and places. The course also allows teachers flexibility across nine different periods of U.S. history to teach topics of their choice in depth. College credit is earned with a qualifying score on an AP exam.

AP U.S. History is designed to be the equivalent of a two-semester introductory college or university U.S. history course. In AP U.S. History, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources, developing historical arguments, making historical comparisons, and utilizing reasoning about contextualization, causation, continuity, and change over time. The course also provides seven themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity, migration and settlement, politics and power, work, exchange, technology, and America's involvement in the world: geography and the environment, culture, and society.

Social Studies Electives

Course:	Law and Justice
Diploma Level:	Academic or Scholastic
Credit:	1
Length:	All year
Grade Level:	9-12
Prerequisite:	None

Course Description:

Law and Justice is a study of law-civil, criminal, constitutional, and international; the legal and justice systems. Students will examine the need for rules and regulations; interpretations of the constitution, both state and federal; Supreme Court decisions; the Bill of Rights, and individual rights law, criminal law, family law, and consumer law. The study of the basic social contracts of society will enable students to understand the preferred democratic values: justice, equality, responsibility, freedom, rule of law, human rights, honesty, equity, rational process and human dignity. Content: Law and Justice

Law and Justice is the study of law in the United States. We will study different types of law such as Constitutional Law, Criminal Law, Torts Law, Juvenile Law, Family Law, and the specific legal situations that fall under each. We will also study the United States legal and justice systems, both at the state and federal levels. Through each of these units, students will examine the need for rules and regulations, interpretations of the U.S. Constitution at both the state and federal levels, Supreme Court decisions, the Bill of Rights, and individual rights. The study of basic social contracts of society will enable students to understand the preferred democratic values; justice, equality, responsibility, rule of law, human rights, honesty, equity, rational process, and human dignity.

Course:	Global Issues
Diploma Level:	Academic or Scholastic
Credit:	1
Length:	All year
Grade Level:	9-12
Prerequisite:	None

Course Description:

Global Issues is the study of persistent issues related to social, political, and economic facets of human behavior. This is an opportunity for the mature pupil to examine the concepts, skills, and tools of the social scientist and the humanist in some decision-making and problem-international concern. This should be more than a survey course in current events. Independently, pupils might pursue a new issue in considerable depth through comprehensive research and analysis. It would also be possible for the teacher to utilize this course to involve the students in some direct manner with community issues and problems. The student could identify with a practitioner who shares the concern or problem.

This course will be focused on exploring 21st century geographic issues, using National geographic, in twelve different units that consist of: climate change, energy resources, food supply, globalization, human rights, habitat preservation, health, migration, pollution, population growth, standard of living, and water resources. This class will be primarily project-based and will allow the students to investigate different areas of the world and how a particular issue has affected them.

Course: African American Studies
Diploma Level: Academic or Scholastic
Credit: 1
Length: All year
Grade Level: 9-12
Prerequisite: None

Course Description:

African American History will trace the historical, political, societal, economic and cultural issues from ancient Africa through the African American experience. Emphasis will be placed on contemporary issues facing African-Americans.

The African American Studies course at Warren Central High School is designed to develop an understanding of the causes, character, and consequences of the African American experience and its influence on the world, the United States, and the African American community.

Beginning with a historical, geographical, social, political, economic, and cultural understanding of the African continent, the course will provide a descriptive and corrective overview, which will introduce the student to the study of the African and African American experiences. We will examine significant aspects of the history of African Americans with particular emphasis on the evolution and development of black communities from Africa to enslavement to the present. As is consistent with the interdisciplinary nature of African American Studies, the course will chronologically explore the black experience from a number of perspectives: history, politics, economics, sociology, psychology, religion, culture, and so forth. We also will study the progression of black political and social thought, engagement and protest, and the struggle to enact change. Thus, students will gain a comprehensive introduction to the social, political, legal, and economic roots of the challenges faced by African Americans with applications to the lives of other racial and ethnic groups in the United States and in other societies. This class also focuses on various principles of leadership, creative expression, and student-led growth and achievement.

Upon completion of the course, students will:

- Gain an appreciation of the richness, diversity, and contributions of African American culture to national and international life and the world.
- Reaffirm the fact that civilization in the United States is not the result of the work and energy of one people, but is the result of the contributions of African Americans and many other groups.
- Develop a knowledge of important people, events, and ideas that have played a key role in shaping the history and culture of African Americans, and the history and culture of the United States.

Warren Central Career Pathways 2020-2021

Agriculture Pathways

Career Pathway	Description	Courses	Career Ready Measure	Career Examples
Agricultural Power, Structural, Technical Systems	Study focuses on concepts in engineering, hydraulics, pneumatics, electronics, power, structures, and controls in the field of agriculture.	<ul style="list-style-type: none"> - Principles of Agriculture - Small Power & Equipment - Ag Construction Skills - Ag Structures & Design <p>The student must take Principles of Agriculture as a prerequisite for all other courses in pathway.</p>	<p>EOP Assessment: Agricultural Power, Structural, Technical Systems</p> <p>Industry Certification: (High Demand)</p> <p><i>iCEV Equipment and Engine Training Council Principles of Small Engine Technology</i></p>	<ul style="list-style-type: none"> · Agricultural Engineer · Welder · Mechanical Engineer · Diesel Technician · Small Engine Mechanic
Agribiotechnology Systems	Study focuses on animal and plant concepts, and develops competency by analyzing current procedures in agriculture while synthesizing new ways of thinking.	<ul style="list-style-type: none"> - Principles of Agriculture - Food Science and Technology - Agribiotechnology <p>The student must take Principles of Agriculture as a prerequisite for all other courses in pathway.</p>	<p>EOP Assessment: Agribiotechnology Systems.</p>	<ul style="list-style-type: none"> · Biotechnologist · Veterinarian · Marine Biologist · Biomedical Engineer · Biologist · Biochemist · Microbiologist · Botanist

Food Science and Processing Systems	Study focuses on the application of biological, chemical, and physical principles to the study of converting raw agricultural products into processed forms suitable for direct human consumption, and the storage of such products.	<ul style="list-style-type: none"> - Principles of Agriculture - Food Science and Technology -Agribiotechnology -Animal Science <p>The student must take Principles of Agriculture as a prerequisite for all other courses in pathway.</p>	<p>EOP Assessment: Food Science and Processing Systems</p>	<ul style="list-style-type: none"> • Food Inspector • Butcher • Food Scientist • Veterinarian • Chef • Cook • Scientist • Dietitian
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Business Pathways

Career Pathway	Description	Courses	Career Ready Measure	Career Examples
Accounting	Prepares individuals to practice the profession of accounting and to perform related business functions.	<ul style="list-style-type: none"> -Introduction to Money Management -Microsoft Office Specialist (MOS) - Business Management -Advanced Accounting* <p>*Advanced Accounting should be the last class taken in pathway. May be taken with Business Management.</p>	<p>EOP Assessment: Accounting</p> <p>Industry Certification: (High Demand)</p> <p><i>ASK Business Concepts and Microsoft Office Specialist (MOS) Excel Word Powerpoint</i></p>	<ul style="list-style-type: none"> • Certified Public Accountant • Forensic Accountant • Personal Financial Planner • Sports Agent • NASA, FBI or IRS • Entrepreneur

Management & Entrepreneurship	Prepares individuals to plan, organize, direct, and control the functions and processes of a business firm or organization	<p>-Digital Literacy</p> <p>-Introduction to Money Management</p> <p>-Business and Marketing Essentials</p> <p>-Business Management*</p> <p>*Business Management should be the last class taken in pathway.</p>	<p>EOP Assessment: Business Management</p> <p>Industry Certification: (High Demand)</p> <p><i>ASK Business Concepts</i></p>	<ul style="list-style-type: none"> • Entry Level Manager • Sales Associate • Account Manager • Real Estate Agent • Insurance Agent • Quality Controller • Entrepreneur
E-Commerce	Prepares individuals to support business information operations by using computer equipment to enter, process, and retrieve data for a wide variety of administrative purposes.	<p>-Digital Literacy</p> <p>-Business and Marketing Essentials</p> <p>-Microsoft Office Specialist (MOS)</p> <p>- Multimedia Publishing</p> <p>Student must take Digital Literacy as a prerequisite before taking Microsoft Office Specialist course.</p>	<p>EOP Assessment: Marketing</p> <p>Industry Certification: (High Demand)</p> <p><i>ASK Business Concepts and Microsoft Office Specialist (MOS) Excel Word Powerpoint</i></p>	<ul style="list-style-type: none"> • Web Page Administrator • Technology call center • Help Desk • Graphic Design • Advertising Assistants

Administrative Support	Prepares individuals for the 21st century workplace by providing instruction in business procedures, human resource management, financial planning, effective communication skills and ethical decision-making.	<ul style="list-style-type: none"> -Digital Literacy -Introduction to Money Management -Microsoft Office Specialist (MOS) -Business and Marketing Essentials 	<p style="text-align: center;">EOP Assessment: Administrative Support</p> <p style="text-align: center;">Industry Certification: (High Demand)</p> <p style="text-align: center;"><i>ASK Business Concepts and Microsoft Office Specialist (MOS) Excel Word Powerpoint</i></p>	<ul style="list-style-type: none"> · Account Manager · Office Manager · Customer Service Manager · Information Services Manager · Entrepreneur
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Family & Consumer Science Pathways

Career Pathway	Description	Courses	Career Ready Measure	Career Examples
Consumer and Family Management	Prepares students with the knowledge and skills that span across a broad range of Family and Consumer Sciences content areas and are central to career areas involving human services, consumer services, consumer protection, and advising, education and training as well as social and community services.	<ul style="list-style-type: none"> -FACS Essentials -Relationships -Parenting -Foods and Nutrition 	<p style="text-align: center;">EOP Assessment: Consumer and Family Management</p> <p style="text-align: center;">Industry Certification: <i>PrePac Exam Family and Community Services</i></p>	<ul style="list-style-type: none"> · Marriage & Family Therapist · Family & Consumer Scientist · Abuse/Crisis Counselor · Gerontologist

<p>Culinary Arts</p>	<p>Prepares students for success in the culinary industry and promotes continuing education at the post-secondary level</p>	<p>-FACS Essentials</p> <p>-Foods & Nutrition</p> <p>-Culinary 1</p> <p>-Culinary 2 <i>(Culinary 1 should be completed before taking Culinary 2)</i></p> <p>As a prerequisite, students must take FACS Essentials before taking Foods & Nutrition.</p>	<p>EOP Assessment: Culinary Arts</p> <p>Industry Certification: <i>PrePac Exam Culinary Arts</i></p>	<ul style="list-style-type: none"> · Chef/Cook · Baker · Entrepreneur · Food Inspector · Butcher
<p>Early Childhood Education</p>	<p>Prepares students with the skills necessary for success in early childhood education so that individuals can teach students ranging in age from infancy through eight years (grade three), depending on the school system or state regulations. This pathway is targeted for individuals preparing for career related to early childhood education.</p>	<p>-FACS Essentials</p> <p>-Parenting</p> <p>-Child Dev. Services 1</p> <p>-Child Dev. Services 2 <i>(CDS 1 should be completed before taking CDS 2)</i></p>	<p>EOP Assessment: Early Childhood Education</p> <p>Industry Certifications: (high demand)</p> <p><i>-Commonwealth Child Care Credential (CCCC)</i></p> <p><i>-KY Early Care and Education Orientation</i></p> <p><i>-Pediatric Abusive Head Trauma</i></p> <p>or</p> <p><i>PrePac Exam Early Childhood Education</i></p>	<ul style="list-style-type: none"> · Early Childhood Educator · Psychologist · Nanny · Pediatrician · Midwife

JROTC Pathway

Career Pathway	Description	Courses	Career Ready Measure	Career Examples
JROTC	Prepares students for responsible leadership, interpersonal communication skills, while instilling self-esteem, teamwork and self-discipline. Areas of study include basic and advanced leadership training through in depth academic and practical application training, financial literacy, health and wellness, history, government, community service, geography, and marksmanship training.	<p>Leadership /Military Science Level I</p> <p>-</p> <p>Leadership /Military Science Level II</p> <p>-</p> <p>Leadership /Military Science Level III</p> <p>-</p> <p>Leadership /Military Science Level IV</p> <p>-</p> <p>Advanced Leadership Skills for Level II-IV</p> <p>-</p> <p>Battalion Command and Staff Leadership Skills for Levels III and IV</p>	JROTC Certificate of Training	<ul style="list-style-type: none"> • Military organizations • Police • Law enforcement • Security • Industry & business managerial & section leadership positions • Public sector managerial & section leadership positions <p>**There is NO MILITARY SERVICE obligation for taking Junior ROTC**</p>

Area Technology Center Pathways

Career Pathway	Description	Courses	Career Ready Measure	Career Examples
Automotive Maintenance and Light Repair	Prepares students to apply technical knowledge & skills to repair, service, & maintain all types of automobiles	<ul style="list-style-type: none"> - Auto Maint. & Light Repair A & Lab - Auto Maint. & Light Repair B & Lab - Auto Maint. & Light Repair C & Lab - Auto Maint. & Light Repair D & Lab 	<p>Transportation KOSSA</p> <p>ASE Student Certification: Maintenance and Light Repair</p>	<ul style="list-style-type: none"> · Auto Technician · Service Advisor · Dispatcher · Auto Sales Rep
Carpentry	Prepares students to apply engineering principles and technical skills in support of architects, engineers, and planners engaged in designing and developing building, urban complexes, and related systems.	<ul style="list-style-type: none"> - Introduction to Const. - Floor & Wall Framing - Ceiling & Roof Framing - Exterior & Interior Finish 	<p>Construction KOSSA</p> <p>NCCER: Carpentry</p>	<ul style="list-style-type: none"> · Carpenter · Construction Laborer · Construction Manager · Drywall Installer · Flooring Installer

Health Sciences	Prepares students to pursue a career pathway in Allied Health, Phlebotomy Technician, or Pharmacy Technician.	<ul style="list-style-type: none"> - Principles of Health Science - Medical Terminology/ Emergency Procedures - Body Structures and Functions - At least one of the following: <ul style="list-style-type: none"> • Allied Health • Phlebotomy Technician • Pharmacy Technician 	Allied Health KOSSA State Registered Nurse Aide (SRNA)	<ul style="list-style-type: none"> • Nurse • Nurse Practitioner • Nursing Asst. • Physician’s Assistant • Doctor
Information Technology	Prepares students to pursue a career pathway in Security, Informatics, Engineering or Networking.	<ul style="list-style-type: none"> - Introduction to Computer** - Computer Hardware & Software** - Cisco I** - Routing and Switching Essentials 	Networking KOSSA CompTIA	<ul style="list-style-type: none"> • Cisco Network Administrator • Cisco Engineer • Cisco System Administrator • Assur. Analyst
Welding Technology	Prepares students to apply welding principles and technical skills in support of various types of welds and metals.	<ul style="list-style-type: none"> - Oxy-Fuel Systems** - Shielded Metal Arc Weld** - Blueprint Reading for Welding** - Gas Metal Arc** 	Manufacturing KOSSA American Welding Society SENSE (AWS)	<ul style="list-style-type: none"> • Welder • Ironworker • Inspector • Welding Engineer

Industrial Maintenance	Prepares students to apply electrical principles and technical skills in support of various motor controls and switches.	<ul style="list-style-type: none"> - Basic Blueprint reading/Basic Troubleshooting - Industrial Maint. Electrical Principles - Ind. Maint. Of Motor Controls - Ind. Maint. Of PLCs
Computerized Manufacturing and Machining	Prepares students to apply technical knowledge and skills to design and produce precision parts.	<ul style="list-style-type: none"> - Fundamentals of machine Tools A - Fundamentals of machine Tools B - Applied Machining - Blueprints Reading for Machinists

Agriculture Education Department

Course: Principles of Agriculture Science and Technology
Diploma Level: Academic or Scholastic
Credit: 1
Length: All Year
Grade Level: 9-10
Prerequisite: None

Course Description:

A foundational course describing the principles, theories and science of the agricultural food, fiber natural resources industries. Agricultural career opportunities will be emphasized. Animal science and plant and land science will be the focus of the curriculum. Students will be assisting in the greenhouse laboratory when appropriate. The selection and planning of a supervised agricultural experience program and related record keeping will be presented. Leadership development will be provided through FFA (Future Farmers of America).

Course: Animal Science
Diploma Level: Academic or Scholastic
Credit: 1
Length: All Year
Grade Level: 10-12
Prerequisite: Principles of Agriculture Science and Technology

Course Description:

A course that develops basic knowledge and skills pertaining to animal identification, selection, nutrition, reproduction and genetics, health management, and marketing of farm and companion animals commonly produced in Kentucky. The latest production technologies, as well as biotechnological applications, will be included. Leadership development will be provided through FFA (Future Farmers of America).

Course: Agribiotechnology (*Not offered 2020-2021 School Year*)
Diploma Level: Academic or Scholastic
Credit: 1
Length: All Year
Grade Level: 10-12
Prerequisite: Principles of Agriculture Science and Technology

Course Description:

A course that describes the theories, principles, and science of agricultural/life science such as genetics, tissue culture, DNA extraction, cloning, etc. The curriculum includes: Career opportunities in the agricultural biotechnology industry; basic concepts about biotechnology; how genetic information is transferred and changed by engineering; opportunities, impacts, and public issues concerning biotechnology; the processes and applications of biotechnology in plant and animal science. Content will be enhanced with appropriate greenhouse laboratory activities and computer applications. Leadership development will be provided through FFA (Future Farmers of America)

Course: Food Science and Technology
Diploma Level: Academic or Scholastic
Credit: 1
Length: All Year
Grade Level: 10-12
Prerequisite: Principles of Agriculture Science and Technology

Course Description:

This course emphasizes the biological, chemical and physical science principles of converting raw agricultural products to food suitable for human consumption, as well as the technical applications involved in the process. Food Science and Technology introduces the issues of food production, nutrition, food chemistry and the development of food products in a global society. The government regulations regarding foods and the exploration of career opportunities will also be covered. Students will be raising vegetables and herbs in the greenhouse laboratory. Leadership development will be provided through FFA (Future Farmers of America).

Course: Small Power & Equipment
Diploma Level: Academic or Scholastic
Credit: 1
Length: All Year
Grade Level: 10-12
Prerequisite: Principles of Agriculture Science and Technology

Course Description:

A course that describes theories, principles, and the application of operating, repairing, maintaining of power equipment and small engines. Includes welding, sales, marketing and safety. This course is designed to develop skills in maintenance, repair, and operation of equipment, small combustion-type engine and electric motors. Leadership development will be provided through FFA (Future Farmers of America).

Course: Agricultural Construction Skills
Diploma Level: Academic or Scholastic
Credit: 1
Length: All Year
Grade Level: 11-12
Prerequisite: Small Power & Equipment

Course Description:

A course that describes theories, principles, and the application of construction of Agricultural related. Includes principles of carpentry, electricity, plumbing, material selection, use and care of tools, safety, etc. This course prepares students to construct and maintain agricultural structures and equipment. Develops basic skills such as: tool identification, electrification, welding, metal fabrication, plumbing and masonry. Leadership development will be provided through FFA (Future Farmers of America).

Course: Agricultural Structures and Design
Diploma Level: Academic or Scholastic
Credit: 1
Length: All Year
Grade Level: 11-12
Prerequisite: Small Power Equipment and Ag. Construction Skills should be successfully completed

Course Description:

A course that describes theories, principles, the application of design and construction of agriculture structures. Includes principles of carpentry, fencing maintenance of structures, plumbing, reading blueprints, use and care of tools, safety, etc. This course prepares students to evaluate, design and construct agricultural structures. Students learn to design, evaluate and interpret construction plans and calculate a bill of materials. The skills learned in the Agricultural construction Skills course may be incorporated to construct and agricultural structure. Leadership development will be provided through FFA (Future Farmers of America).

Business Education Department

Course: Digital Literacy
Diploma Level: Academic or Scholastic
Credit: 1
Length: All Year
Grade Level: 9-10
Prerequisite: None

Course Description:

Students will use a computer and application software including word processing, presentations, database, spreadsheets, internet, and email to prepare documents and reports. The impact of computers on society and ethical issues are presented. In this course students will learn the basic applications of Microsoft Office: Word, PowerPoint, Excel, Publisher, and Access. Leadership development will be provided through FBLA.

Course: Microsoft Office Specialist (MOS)
Diploma Level: Academic or Scholastic
Credit: 1
Length: All Year
Grade Level: 10-12
Prerequisite: Digital Literacy

Course Description:

This course is an extension of Computer and Technology Applications, students will have the opportunity to increase their computer skills. Advanced functions and integration of Microsoft Word, Excel, Access, and PowerPoint will be taught. Students will work toward MOS Certification in one or more of these Microsoft areas. In addition students will utilize Internet access to complete various projects. Leadership development will be provided through FBLA and/or DECA.

Course: **Multimedia Publishing**
Diploma Level: **Academic or Scholastic**
Credit: **1**
Length: **All Year**
Grade Level: **10-12**
Prerequisite: **Digital Literacy**

Course Description:

This hands-on course applies publishing and presentation concepts through the development of sophisticated business documents and projects. These documents include, but are not limited to tri-fold brochures, manuscripts, reports, bi-fold programs, catalogs, newsletters, flyers, business forms, graphs, web pages, on-screen presentations, and video productions. Equipment such as scanners, digital cameras, video cameras, and color laser printers, may be utilized in creating documents. Formatting, editing, page layout, and design concepts are taught. Distribution ready publication standards are applied to all projects. Students will develop communication skills, problem-solving techniques, cooperative learning, and interpersonal skills. Leadership development will be provided through FBLA and/or DECA.

Course: **Business and Marketing Essentials**
Diploma Level: **Academic or Scholastic**
Credit: **1**
Length: **All Year**
Grade Level: **9-10**
Prerequisite: **None**

Course Description:

This course provides an introduction to business and marketing which enables students to acquire a realistic understanding of business processes and activities. Students examine fundamental economic concepts, the business environment, and primary business activities. They develop an understanding of and skills in such areas as customer relations, economics, emotional intelligence, financial analysis, human resources management, information management, marketing, operations, professional development, and strategic management. Throughout the course, students are presented ethical dilemmas and problem solving situations for which they must apply academic and critical-thinking skills

Course: **Introduction to Money Management**
Diploma Level: **Academic or Scholastic**
Credit: **1**
Length: **All Year**
Grade Level: **9-10**
Prerequisite: **None**

Course Description:

This course will provide an introduction to both areas of accounting and finance. Topics will include banking, credit, financial literacy, career exploration, spreadsheet usage, and technical writing. The accounting principles taught in this course are based on a double-entry system and include preparing bank reconciliations, payroll taxes, and financial statements. Detailed career exploration in the various fields of accounting will be available. Leadership development will be provided through FBLA and/or DECA.

Course: Advanced Accounting
Diploma Level: Academic
Credit: 1
Length: All Year
Grade Level: 11-12
Prerequisite: Introduction to Money Management

Course Description:

This course uses an integrated approach to teach accounting. Students first learn how businesses plan for and evaluate their operating, financing, and investing decisions and then how accounting systems gather and provide data to internal and external decision makers. This year-long course covers all the learning objectives of a traditional college level financial accounting course, plus those from a managerial accounting course. Topics include an introduction to accounting, accounting information systems, time value of money, and accounting for merchandising firms, sales and receivables, fixed assets, debt and equity.

Course: Business Management
Diploma Level: Academic or Scholastic
Credit: 1
Length: All Year
Grade Level: 11-12
Prerequisite: Introduction to Money Management

Course Description:

This course emphasizes the skills needed for managing a business that involves the selection and supervision of employees including efficient use of time, personnel, facilities, and financial resources. Students will explore forms of business ownership; typical business organizational structure; product or service promotion in business; effective communications; human relations skills required in dealing with employees; and effective management strategies used in personnel, finance, production, marketing, and information processing. Leadership development will be provided through FBLA and/or DECA.

Family and Consumer Sciences Department

Course: FACS Essentials
Diploma Level: Academic or Scholastic
Credit: 1
Length: All Year
Grade Level: 9-10
Prerequisite: None

Course Description:

This comprehensive course provides an opportunity for acquiring basic FACS Essentials and allows students to select specific areas for concentrated study. Emphasis is on work and family, adolescent development, selection and care of clothing, consumer spending, housing choices, challenges of child rearing, and guidance in establishing relationships. Leadership development will be provided through the Family, Career and Community Leaders of America.

Course: Parenting
Diploma Level: Academic or Scholastic
Credit: 1
Length: All Year
Grade Level: 9-10
Prerequisite: None

Course Description:

This course is designed to aid students in developing parenting and care giving skills that can be applied in a variety of situations. Major topics include becoming an informed parent, understanding prenatal development, caring for the newborn, being an effective parent/caregiver, caring for the sick and elderly and exploring career opportunities in caregiving.

Course: Relationships
Diploma Level: Academic or Scholastic
Credit: 1
Length: All Year
Grade Level: 9-10
Prerequisite: None

Course Description:

This course assists students to develop self-understanding, understanding of others, interpersonal skills, awareness of other's needs, and physical, mental, and emotional wellness. Family life education comprises a portion of this course including dating and married relationships. Preparations for and the achievement of a successful marriage are emphasized.

Course: Child Development Services I
Diploma Level: Academic or Scholastic
Credit: 1
Length: All Year
Grade Level: 10-12
Prerequisite: FACS Essentials and Parenting should be successfully completed

Course Description:

This course provides training for entry-level positions in day care centers, nurseries, preschools, kindergartens, and private homes. Students study child development and guidance, children's health and well-being in group care, value of play, teaching strategies and management, curriculum development and careers in child development. The subject content is reinforced with work experience in a variety of early childhood settings. Leadership development will be provided through the Family, Career and Community Leaders of America.

Course: Child Development Services II
Diploma Level: Academic or Scholastic
Credit: 1
Length: All Year
Grade Level: 11-12
Prerequisite: Child Development I should be successfully completed

Course Description:

Child Development Services II is a continuation of Child Development Services I and is designed for students who wish to train for supervisory level positions or those wishing to further their education at the post-secondary level in

the area of early childhood. Students gain in-depth work experiences in a variety of early childhood settings. Leadership development will be provided through the Family, Career and Community Leaders of America.

Course: **Foods and Nutrition**
Diploma Level: **Academic or Scholastic**
Credit: **1**
Length: **All Year**
Grades: **9-10**
Prerequisite: **FACS Essentials**

Course Description:

This course is designed to assist students in making critical decisions about food, which contributes to health and well-being. Laboratory instruction is included as an application process. Practical problems addressed relate to attitudes toward food, nutrition facts, special health concerns and diets, management of food resources, preparation skills, food safety, sanitation and careers in nutrition and food service. Leadership development will be provided through the Family, Career and Community Leaders of America.

Course: **Culinary Skills I**
Diploma Level: **Academic or Scholastic**
Credit: **1**
Length: **All Year**
Grades: **10-12**
Prerequisite: **FACS Essentials & Foods and Nutrition**

Course Description:

This advanced course allows students to increase competencies in a variety of food preparation techniques. Emphasis will be placed on food presentation, garnishing, menu planning and the skills necessary to prepare for a career in the culinary arts. Leadership development will be provided through the Family, Career and Community Leaders of America.

Course: **Culinary Skills II**
Diploma Level: **Academic or Scholastic**
Credit: **1**
Length: **All Year**
Grades: **11-12**
Prerequisite: **Culinary Skills I should be successfully completed**

Course Description:

In this course students resume progress in pursuing competencies in food production and services. Orientation to the foodservice industry and development of food preparation skills are reinforced. Food service management functions are introduced. More in-depth information is provided and higher levels of skills are taught. Time is provided for work based learning opportunities. Leadership development will be provided through the Family, Career and Community Leaders of America. Food preparation; bakery operation; dinner catering; model restaurant; laws and regulations; unions; safety, sanitation; receive, store and issue food are addressed.

JUNIOR RESERVE OFFICERS TRAINING CORPS (JROTC) Career Pathway

Course: Leadership/Military Science Levels I – IV

Length: Leadership/Military Science Leadership Level I (Basic Organizational & Leadership Skills), II (Basic Leadership Applications), Leadership Level III (Transitional Leadership, Planning, Implantation and Business Staff Application Skills) and Leadership Level IV (Advanced Organizational Leadership Theory and Application) require two consecutive semesters before advancement to the next level.

Completion of one level is required before advancement to the next LET level.

Credit: Leadership/Military Science Leadership Levels I, II , III, IV, Military Command/Staff Procedures & Principles Class (selected II-IV Cadets) and JROTC Advanced Leadership Development Course (selected LET II-IV Cadets) one credit each.

Related Credit: Cadets will earn a Physical Education Core credit during the freshman school day, opening an opportunity for a second elective during the day. A physical education, practical living, life skills, or an elective credit can also be granted.

Grade Level: 9-12

Education: The student must be enrolled in and attending full-time at an institution offering JROTC.

Academic Standing: The student must maintain an acceptable standard of conduct and be of good moral character. The student must be honest, self-reliant, and have a sense of personal and social responsibility in performing program and academic assignments. The student must exhibit self-discipline and respect for constituted authority through observance of laws, rules and regulations, by prompt and regular attendance at instruction and display appropriate general demeanor.

Physical Condition: The student must be physically qualified to participate fully in the physical education program in the school.

Screening Tests: The students will successfully complete such survey and screening tests as may be prescribed by the school.

Course Description: The program consists of four levels of LET instruction (Leadership Education and Training). Each level will contain the number of academic hours to meet the curriculum requirements established by the school for one credit hour each. Credits are given as a physical education, history related, or elective credit. The JROTC program is designed to teach high school students the value of citizenship, leadership, interpersonal communication skills, service to the community, personal responsibility and a sense of accomplishment, while instilling self-esteem, teamwork and self-discipline, through coursework and practical application. JROTC prepares students for responsible leadership roles while making them aware of their rights, responsibilities and privileges as American

citizens. The program is a stimulus for promoting graduation from high school and provides instruction and rewarding opportunities that will benefit the student, community and nation. Satisfactory completion of three levels of the program can lead to advanced placement credit in the Senior ROTC program or advanced rank up to E-2 in the Reserve, National Guard and active Armed Forces. **However, there is NO MILITARY SERVICE obligation for taking Junior ROTC and we are not recruiters, the mission of JROTC is to motivate young people to be better citizens.**

Program of instruction consists of a character and leadership development program, foundations for success, leadership theory and application, health & wellness, fitness, first aid, geography, earth science, citizenship, and American history. Elective courses will be selected to support the program of instruction and support the goals and objectives of the school. The program will sponsor drill teams, color guards, rifle teams, saber teams, raider teams, and robotics teams to enter into competition with other schools sponsoring the JROTC program.

WCHS JROTC is a cadet (student) led leadership development program, guided and facilitated by the Instructors.

Art Department

Course: Visual Art I
Diploma Level: Academic or Scholastic
Credit: 1
Length: All Year
Grade Level: 9-12
Prerequisite: None

Course Description:

This introductory course provides students with artistic skill development and the use of a variety of art materials. Students will be introduced to the Elements of Art, Principles of Design, Art History, and Art Criticism. Students are required to maintain a sketchbook throughout the course. By the end of Visual Art I, students should have an understanding of the role of Visual Art as well as their individual creativity and interests.

Course: Visual Art II
Diploma Level: Academic or Scholastic
Credit: 1
Length: All Year
Grade Level: 10-12
Prerequisite: Visual Art I

Course Description:

This course is a continuation of artistic skill development from Visual Art I. Students will be required to maintain a sketchbook and complete a variety of projects using their creativity. Art History will be incorporated into lessons by focusing on masterworks and the intellectual and creative processes behind these works. By the end of Art II, students should be in the process of developing their individual strengths, interests, and style.

Course: Visual Art III
Diploma Level: Academic or Scholastic
Credit: 1
Length: All Year
Grade Level: 11-12
Prerequisite: Visual Art II

Course Description:

This upper level course is intended for students who wish to further develop skills and techniques that were introduced in previous visual art courses. Students will maintain a sketchbook while also demonstrating their ability to respond, analyze, and interpret visual art. Students will begin working more independently towards developing a visual art portfolio to demonstrate their individual style and abilities. By the end of this course, students should have several strong portfolio pieces and be prepared for Advanced Art.

Course: Independent Study in Art
Diploma Level: Academic or Scholastic
Credit: 1
Length: All Year
Grade Level: 12
Prerequisite: Teacher recommendation

Course Description:

This class involves the more serious college or professional bound student and is more challenging than Specialized Art II with greater emphasis placed on the art portfolio.

Course: Advanced Visual Art
Diploma Level: Academic or Scholastic
Credit: 1
Length: All year
Grade Level: 11-12
Prerequisite: Visual Art I, II, and III AND a Teacher recommendation

Course Description:

This advanced course is intended for art students that are interested in pursuing visual art after high school. This course has a greater emphasis placed on creating a visual art portfolio and refining student's artistic style. Students will be required to maintain a sketchbook and create an artist statement. AP Courses are offered within this class for additional credit, which requires submission of a portfolio to the college board to be considered for college credit.

Vocal Department

Course: Chorus I Beginning Chorus

Diploma Level: Academic or Scholastic

Credit: 1

Length: All Year

Grade Level: 9-12

Prerequisite: None

Course Description:

Beginning Chorus provides the opportunity to perform a variety of music styles from different time periods. Made up of women's and men's voices, this course is designed to teach the basics of choral singing, while developing vocal technique. This course also covers the structures, purposes, processes, and elements that apply to music.

Course: Chorus II Women's Chorus

Diploma Level: Academic or Scholastic

Credit: 1

Length: All Year

Grade Level: 9-12

Prerequisite: None

Course Description:

Women's Chorus provides the opportunity to perform a variety of music styles from different time periods. Made up of only women's voices, this course is designed to teach the basics of choral singing, while developing vocal technique. This course also covers the structures, purposes, processes, and elements that apply to music.

Course: Vocal Ensemble I Advanced

Diploma Level: Academic or Scholastic

Credit: 1

Length: All Year

Grade Level: 10-12

Prerequisite: 1 year of Beginning/Women's Chorus and Audition

Teacher recommendation-see Choir teacher/recommended as an all year class

Course Description:

Advanced is for the advanced choir student. The students selected for this ensemble must have one year of Beginning Chorus or recommendation from the instructor or middle school instructor. Advanced ensemble members have passed a music literacy test and provided a vocal recording of a song, proving that they are equipped to adhere the context and content of choral repertoire that will be performed in concert by the ensemble. This ensemble will be the flagship of the choral program of WCHS. This choir will perform at area schools and be used for recruitment purposes.

Course: Music Theory
Diploma Level: Academic or Scholastic
Credit: 1
Length: All Year
Grade Level: 10-12
Prerequisite: None

Course Description:

Music Theory courses provide students with an understanding of the fundamentals of music and include one or more of the following topics: melody, harmony, composition, arrangement, analysis, aural development, and sight reading.

Course: Music Appreciation Dual Credit
Diploma Level: Academic or Scholastic
Credit: 1
Length: Semester
Grade Level: 11-12
Prerequisite: None

Course Description:

This course is a survey of music from early to modern times. The course aims to widen the musical horizons and receptivity of the general college student and to develop critical listening skills. No prior musical background is required.

Course Objectives: Students will learn the terminology for the basic elements of music and style. Gain and informed acquaintance with major achievements in the arts and humanities. Gain a historic perspective and understanding of connections between past and present. Recognize the important achievements in music in Europe and the United States through learning about major composers and their musical compositions. Identify various forms of music and manners of musical expression. Utilize basic formal elements, techniques, concepts and vocabulary of specific disciplines within the arts and humanities. Evaluate the significance of human expression and experience in shaping larger social, cultural, and historical context.

Instrumental Department

Course:	Instrumental Ensemble/Band I-IV
Diploma Level:	Academic or Scholastic
Credit:	1
Length:	All Year
Grade Level:	9-12
Prerequisite:	Prior band experience (must have played an instrument for at least 1 year) or director's approval

Course Description:

This course focuses on developing each student's individual musicianship through playing an instrument. The first nine weeks focuses on marching band, with performances at marching competitions, and home football games. Students involved in other school activities may apply for an exemption from marching, and will be given alternative lessons the first nine weeks. The second nine weeks focuses on preparing the Christmas concert and marching in two local parades. Spring semester performances include at least two concerts, solo and ensemble assessment, concert band assessment and some home varsity basketball games.

Course:	Instrumental Ensemble Independent Study in Music
Diploma Level:	Academic or Scholastic
Credit:	1
Length:	All Year
Grade Level:	10-12
Prerequisite:	Prior and current enrollment in band and teacher approval

Course Description:

This course provides enrichment opportunities for experienced band students. The purpose of the course is to enhance students' individual playing abilities in a more specialized and focused environment than the full band class. Advanced band students are given opportunities to work on technically demanding material with individualized instruction from the teacher. All Independent Study students are required to audition for the All-State Band, and enter a solo and at least one ensemble in Solo and Ensemble Assessment. With the right mix of students, small ensembles will be formed, such as a flute trio or brass choir that could be made available for performances at school events.

Course: Instrumental Ensemble/Concert Orchestra I-IV
Diploma Level: Academic or Scholastic
Credit: 1
Length: All Year
Grade Level: 9-12
Prerequisite: Prior orchestra experience or director's approval

Course Description:

This course is for students who have one year or more of playing experience on a stringed instrument. In Concert Orchestra students develop musicianship and technical skills with playing a stringed instrument. The first semester focuses on fine-tuning basic techniques and music literacy, as well as introducing new skills. Students also prepare music for several performances. In the spring semester students continue to learn new musical concepts and playing techniques. Spring semester performances include solo and ensemble festival, concert festival, String Finale at WKU, and other school affiliated performances. All concerts are mandatory. By participating in this class, students become eligible to audition for Kentucky Music Educators Association (KMEA) All-State Orchestra and KMEA Third District High School All-District Orchestra.

Course: Instrumental Ensemble/Beginning Orchestra I-IV
Diploma Level: Academic or Scholastic
Credit: 1
Length: All Year
Grade Level: 9-12
Prerequisite: None

Course Description:

This course is for students who have very little to no experience playing a stringed instrument. In Beginning Orchestra students develop fundamental techniques and music literacy skills. The first semester focuses on learning the parts of the instruments, basic technique, and music literacy. As students progress new skills and concepts are introduced. Students also prepare music for several performances. One of those performances is a concert in September at Jackson's Orchard with other high school orchestras in the area. In the spring semester students continue to learn new musical concepts and playing techniques. The second semester performances include solo and ensemble festival, String Finale at WKU, and other school affiliated performances. All concerts are mandatory. By participating in this class, students become eligible to audition for Kentucky Music Educators Association (KMEA) All-State Orchestra and KMEA Third District High School All-District Orchestra.

Health and Physical Education Department

Course: Health
Diploma Level: Academic or Scholastic
Credit: 0.5
Length: Semester
Grade Level: 9
Prerequisite: None

Course Description:

This is a general course offered to students to fulfill the requirement for graduation. The course includes nature of disease, complexity of nutrition, behavioral aspects of accident prevention, and understanding of health and medical care programs, significance of health problems, alcoholism, drug abuse, selection of health products and services, environmental issues, mental health, preparations for marriage and parenthood, and first-aid objectives.

Course: Physical Education I
Diploma Level: Academic or Scholastic
Credit: 0.5
Length: Semester
Grade Level: 9
Prerequisite: None

Course Description:

This course includes a planned progressive program of instruction in group games and coeducational activities to fulfill the requirements for all students for graduation. This course teaches group games and activities, with an emphasis on skill development. Opportunities are also provided for the inclusion of environmental and consumer education.

***** .25 Arts & Humanities Credit will be awarded with the completion of this course based on the completion of the embedded Dance Standards.**

Course: Physical Education II
Diploma Level: Academic or Scholastic
Credit: 1
Length: All Year
Grade Level: 10-12
Prerequisite: Physical Education 1 and PE Teacher's Approval

Course Description:

Advanced Physical Education is a continuation from Physical Education I. Students participate in physical conditioning, team sports, individual sports, rules, discussions, game strategy discussions, and the development of sportsmanship. Students in the Advanced Physical Education level also participate in higher level game (team, dual, and individual), officiating, guest lectures. Opportunities for leadership training and research projects are included.

Course: Conditioning/Weightlifting I
Diploma Level: Academic or Scholastic
Credit: 1
Length: All Year
Grade Level: 10-12
Prerequisite: Physical Education 1 and PE Teacher's Approval

Course Description:

This course is designed to enable the student to improve physical, mental and social health. The focus of the course is to enhance lifelong wellness. Some of the topics covered are: Physical conditioning, activities that develop self-esteem, proper nutrition in order to combat eating disorders and obesity. This course is recommended for high school athletes who are interested in learning more about fitness and maintaining a certain level of fitness. These courses are offered to all students but are geared toward athletic conditioning. Skills testing in weight training and conditioning, as well as physical fitness and improvement will be performed. Written tests and a writing portfolio are part of the overall grade.

Course: Conditioning/Weightlifting II
Diploma Level: Academic or Scholastic
Credit: 1
Length: All Year
Grade Level: 10-12
Prerequisite: Conditioning/Weightlifting I and PE Teacher's Approval

Course Description:

This course is designed to enable the student to improve physical, mental and social health. The focus of the course is to enhance lifelong wellness. Some of the topics covered are: Physical conditioning, activities that develop self-esteem, proper nutrition in order to combat eating disorders and obesity. This course is recommended for high school athletes who are interested in learning more about fitness and maintaining a certain level of fitness. These courses are offered to all students but are geared toward athletic conditioning. Athletes may only take this course with their coach's approval (on their registration card.) Skills testing in weight training and conditioning, as well as physical fitness and improvement will be performed. Written tests and a writing portfolio are part of the overall grade.

Course: Conditioning/Weightlifting III
Diploma Level: Academic or Scholastic
Credit: 1
Length: All Year
Grade Level: 10-12
Prerequisite: Conditioning/Weightlifting II/ Teacher recommendation

Course Description:

This course is designed to enable students to promote lifelong wellness and fitness by developing their own personal workout that meets their specific needs. Students will take the information that they have obtained from advanced weights and coordinate that knowledge into setting targets and reaching their goals. Written test, portfolio, and personal workout plans are necessary for overall grade.

Other Courses

Course: Broadcasting
Diploma Level: Academic or Scholastic
Credit: 1
Length: All Year
Grade Level: 10-12
Prerequisite: None

Course Description:

The News Team is a class that produces a 10 to 15 minute broadcast of current news and local events for the school. Segments to include: interviews, weather, announcements, history and current events in the news, and school related events. Students will work on researching, developing, and writing their stories during the week and then producing the broadcast for the end of the week.

Course: JAG
Diploma Level: Academic or Scholastic
Credit: 1
Length: All Year
Grade Level: 9-12
Prerequisite: Teacher Placement

Course Description:

Credit recovery course

Course: Yearbook
Diploma Level: Academic or Scholastic
Credit: 1
Length: All year
Grade Level: 11-12
Prerequisite: Application, teacher recommendation, and interview
(See. Mrs. Orange for an application)

Course Description:

Students in this class plan, publish, market, and distribute the yearbook. Students are chosen through a written application process along with two teacher letters of recommendation, and an interview with the sponsor. Students must participate fully in all activities. Yearbook is not just a class but also a business. Activities include layout design for the book, photography, story and caption writing, proofing, and marketing. All students participate in marketing—selling advertisements in the community as well as the senior class, Advertising and selling the yearbook are a requirement of the class. Excellent attendance in school is necessary, as is the ability to dedicate extra hours each week to tasks necessary to complete assignments, such as covering school events including sporting events. In Yearbook, we use computers extensively for design, word processing, interviewing and research. Accessing the Internet outside of school is required. Individual grades are determined by each student's participation in all assigned activities, especially meeting established production deadlines. Students in this class need reliable transportation and a digital camera or access to one.

Course: Arts & Humanities
Diploma Level: Academic or Scholastic
Credit: 1
Length: All year
Grade Level: 9-12
Prerequisite: None

Course Description:

Students are introduced to a survey of significant works, artists, and movements that have shaped the arts world and have influenced or reflected various periods of history in the arts disciplines of dance, music, theatre and visual art. Course content emphasizes the sequential evolution of art forms, techniques, symbols, and themes within those disciplines. The course covers the connections of the arts to cultural, social, political, and historical events throughout the world. Critical analysis of works from the disciplines, as they communicate and express the history, needs, and ideals of society and individuals is included. The course provides for students to experience creating, performing/presenting/producing, responding and connecting their own works as well as the works of others.

**** The standards for this course are embedded in Physical Education I, American Government, World History, English I, and English III. Partial credit for the completion of each section will be awarded at the end of each completed course.**

Area Technology Center

Automotive Technology

Auto Maintenance and Light Repair A & Lab

Course Description

This course introduces the student to the principles, theories, and concepts of the automotive electrical system that include the unique diagramming, coding and locating of wiring, and component devices.

Auto Maintenance and Light Repair B & Lab

Course Description

This course focuses on the theory and principles relating to automotive electrical/electronic components.

Auto Maintenance and Light Repair C & Lab

Course Description

This course presents the theory, component identification, application, operation, and the service and repair of the basic automotive ignition, fuel, and emission systems, including related components.

Auto Maintenance and Light Repair D & Lab

Course Description

This course presents the theory, component identification, application, operation, and the service and repair of advanced automotive ignition, fuel, and emission systems, including related components.

Carpentry

Introduction to Construction Carpentry

Course Description

This course emphasizes the types, grades, sizes, and standards of building materials including the types of fasteners and their correct uses. Students will also learn to correctly utilize and maintain commonly used hand and power tools. Safety in the lab and on the job site is stressed.

Ceiling and Roof Framing

Course Description

This course covers roof types and combinations of roof types used in the construction industry. The emphasis of this course is on layout, cutting and installing ceiling joists, rafters, roof decking, and roof coverings.

Floor and Wall Framing

Course Description

Students will prepare materials; calculate the cost for a building site, and layout a site with a transit, locating property lines and corners. Students will calculate the amount of concrete needed for footing and foundation walls and construct different types of foundations and forms.

Exterior and Interior Finish

Course Description

This course presents basic concepts of building trim, gypsum wallboard, paneling, base, ceiling and wall molding with instruction on acoustical ceilings and insulation, wood floors, tile, inlaid adhesive and tools of the flooring trade. This course will continue to refine the techniques and skills taught in the previous carpentry courses. In this course, cost control, speed, and precision are emphasized. In addition, students will perfect the skills associated with the exterior finishing of a house.

Exterior and Interior Finish

Course Description

This course will provide a series of lectures, demonstrations, and practice exercises in the study of symbols, views, sections, details, and material lists found on architectural working drawings, building materials and specifications lists, and construction dimensioning systems and charts/schedules.

Information Technology

Introduction to Computer (A+ PC Essentials)

Course Description

Maintenance of the personal computer with an emphasis on installation, upgrading, and configuration of the operating system. Memory management, boot sequences, printing subsystem, application software, and networking are also covered. Troubleshooting is the main focal point including viruses. This is one of two courses which prepare students for the industry certification exams.

Computer Hardware and Software (A+PC Field Tech)

Course Description

Introduction to the maintenance of computer workstation hardware, including set-up of workstation for network and Internet access. Internal addressing, architecture, interrupts, complete PC construction, and basic troubleshooting will be focal points. This is one of two courses which prepare students for the industry certification exams.

Cisco Internetworking I

Course Description

CCNA Semester 1. This is the first of four courses that lead to the Cisco Certified Network Associate (CCNA) certification (640-801 CCNA or 640-821 INTRO). CCNA 1 introduces Cisco Networking Academy Program students to the networking field. The course focuses on network terminology and protocols, local-area networks (LANs), wide-area networks (WANs), the Open system Interconnection reference (OSI) model, cabling, cabling tools, routers, routing fundamentals, Ethernet, Ethernet switching, Internet Protocol (IP) addressing, and network standards.

Routing and Switching Essentials

Course Description

CCNA Semester 2. CCNA 2 Router and Routing Basics is the second of the four courses leading to the Cisco Certified Network Associate (CCNA) certification (640-801 CCNA or 640-821 INTRO). CCNA 2 is an integral step towards achieving CCNA certification. CCNA 2 continues to familiarize Cisco Networking Academy Program students to the networking field. The course focuses on initial router configuration, Cisco IOS Software management, routing protocol configuration, TCP/IP, and access control lists (ACL).

Health Science Technology

Principles Health Sciences

Course Description

This course is an orientation to the health care cluster consisting of four career majors: Nursing, Medicine, Dentistry, and Allied Health. It is also designed to develop and enhance an understanding of the roles and responsibilities of each career major area. Communication, study, and leadership skills will be emphasized as the student learns about the healthcare industry, health care economics, and career opportunities available. Medical Terminology will be integrated throughout the course. Upon successful completion of this course, the student will be able to focus on a career major path and make informed decisions regarding choices for continuing education and/or employment. This course addresses the Kentucky Learner Goals and Academic Expectations, Core Content for Assessment, and includes core components from the National Health Care Skill Standards.

Body Structures and Functions

Course Description

Basic Anatomy and Physiology is designed to provide knowledge of the structure and function of the human body with an emphasis on normalcy. The course includes interaction of all body systems in maintaining homeostasis and promotes an understanding of the basic human needs necessary for health maintenance. Explain the basic principles of inorganic and organic chemistry as they apply to physiological processes.

Medical Terminology/Emergency Procedures

Course Description

An overview designed of the basic techniques of medical word building is provided. Once these techniques have been developed, they can readily be applied to acquire an extensive medical vocabulary. Emphasis is on basic anatomical, physiological, pathology, diagnostic procedures, and pharmacological terms.

Plus Allied health, Phlebotomy Technician & Pharmacy Technician

******See next page for costs for the nursing program***

COST:

The second semester will start the Medicaid Nurses Aid (MNA) course and Anatomy and Physiology. In order to come to this class you must have attended the first semester Intro to Health Science and Medical Terminology/Emergency Procedures and had a 70% average or higher.

In the MNA 100, an average of 70% will be required on all tests, as well as the overall average to remain in the MNA program. There is also an attendance requirement with only 3 absences allowed. This course requires 59 hours of classroom/lab and 16 hours of clinical time. Attendance is of the utmost importance to complete this course. At the end of the course, if the hour requirements are not met, you will not be able to test for certification.

The MNA program will entail both clinical skills and testable material. There will be lecture, videos, demonstrations, and return demonstrations with a check-off prior to clinical rotation. The clinical will be done in two, 8 hour days, with the students being split into two groups.

The student must also have malpractice insurance, a background check, up-to-date Hepatitis B injections, Tetanus within the last 10 years and a TB skin test. The background check and insurance is at the expense of the student.

A statement of understanding between WCATC and the student will also be signed by the student and the parent. A drug screen may also be required.

The approximate cost estimates will be as follows:

*Scrubs (white)	\$ 20.00 (approx)
*Insurance	\$ 15.00 (purchased through school)
*TB skin test	check with doctor
*Background check	\$20.00
*Tetanus Immunization	check with doctor
*Hepatitis B series	check with doctor
Textbook/wbkb (optional)	\$60.00
Stethoscope (optional)	\$25.00
HOSA dues	\$15.00
*CPR card	\$5.00
*First Aid card	\$5.00
*Elder Abuse Check	No charge
Total (Approximately):	\$165.00

* Mandatory Items

Welding technology

Oxy-Fuel Systems

Course Description

A working knowledge of: oxy-fuel identification, set-up, inspection, and maintenance; consumable identification, selection and care; principles of operation; and effects of variables for manual and mechanized oxy-fuel cutting, welding, brazing principles and practice, and metallurgy. Shop safety and equipment use are also covered.

Shielded Metal Arc Welding

Course Description

Teaches students the identification, inspection, and maintenance of SMAW electrodes; principles of SMAW; the effects of variables on the SMAW process to weld plate and pipe; and metallurgy.

Gas Metal Arc Welding

Course Description

Identification, inspection, and maintenance of GMAW machines; identification, selection and storage of GMAW electrodes; principles of GMAW; and the effects of variables on the GMAW process. Theory and applications of related processes such as FCAW and SAW and metallurgy are also included.

Blueprint Reading for Welding

Course Description

Provides a study of occupationally specific prints for welders. Advanced study of multi-view drawings, assembly drawings, datum dimensions, numerical control drawings, sheet metal prints, castings and forgings, instrumentation and control charts and diagrams, working drawings, geometric dimensioning and tolerancing and use of reference materials and books are included. Occupational specifics including welding drawings, symbols, joint types, grooves, pipe welding symbols, testing symbols, and specification interpretations are stressed.

Industrial Maintenance

Courses Offered:

- **Basic Blueprint reading/Basic Troubleshooting**
- **Industrial Maintenance Electrical Principles**
- **Industrial Maintenance of motor Controls**
- **Industrial Maintenance of PLCs**

Computerized manufacturing and Machining

Courses Offered:

- **Fundamentals of Machine Tool A**
- **Fundamentals of Machine Tool B**
- **Applied machining**
- **Blueprint Reading for Machinists**

Contact Bowling Green's Area Technology Center for more details.

Area Technology Center Pathways

Career Pathway	Description	Courses	Career Ready Measure	Career Examples
Automotive Maintenance and Light Repair	Prepares students to apply technical knowledge & skills to repair, service, & maintain all types of automobiles	<ul style="list-style-type: none"> - Auto Maint. & Light Repair A & Lab - Auto Maint. & Light Repair B & Lab - Auto Maint. & Light Repair C & Lab - Auto Maint. & Light Repair D & Lab 	Transportation KOSSA ASE Student Certification: Maintenance and Light Repair	<ul style="list-style-type: none"> • Auto Technician • Service Advisor • Dispatcher • Auto Sales Rep
Carpentry	Prepares students to apply engineering principles and technical skills in support of architects, engineers, and planners engaged in designing and developing building, urban complexes, and related systems.	<ul style="list-style-type: none"> - Introduction to Const. - Floor & Wall Framing - Ceiling & Roof Framing - Exterior & Interior Finish 	Construction KOSSA NCCER: Carpentry	<ul style="list-style-type: none"> • Carpenter • Construction Laborer • Construction Manager • Drywall Installer • Flooring Installer

Health Sciences	Prepares students to pursue a career pathway in Allied Health, Phlebotomy Technician, or Pharmacy Technician.	<ul style="list-style-type: none"> - Principles of Health Science - Medical Terminology/ Emergency Procedures - Body Structures and Functions - At least one of the following: <ul style="list-style-type: none"> • Allied Health • Phlebotomy Technician • Pharmacy Technician 	Allied Health KOSSA State Registered Nurse Aide (SRNA)	<ul style="list-style-type: none"> • Nurse • Nurse Practitioner • Nursing Asst. • Physician’s Assistant • Doctor
Information Technology	Prepares students to pursue a career pathway in Security, Informatics, Engineering or Networking.	<ul style="list-style-type: none"> - Introduction to Computer** - Computer Hardware & Software** - Cisco I** - Routing and Switching Essentials 	Networking KOSSA CompTIA	<ul style="list-style-type: none"> • Cisco Network Administrator • Cisco Engineer • Cisco System Administrator • Assur. Analyst
Welding Technology	Prepares students to apply welding principles and technical skills in support of various types of welds and metals.	<ul style="list-style-type: none"> - Oxy-Fuel Systems** - Shielded Metal Arc Weld** - Blueprint Reading for Welding** - Gas Metal Arc** 	Manufacturing KOSSA American Welding Society SENSE (AWS)	<ul style="list-style-type: none"> • Welder • Ironworker • Inspector • Welding Engineer

Industrial Maintenance	Prepares students to apply electrical principles and technical skills in support of various motor controls and switches.	<ul style="list-style-type: none"> - Basic Blueprint reading/Basic Troubleshooting - Industrial Maint. Electrical Principles - Ind. Maint. Of Motor Controls - Ind. Maint. Of PLCs
Computerized Manufacturing and Machining	Prepares students to apply technical knowledge and skill to design and produce precision parts.	<ul style="list-style-type: none"> - Fundamentals of machine Tools A - Fundamentals of machine Tools B - Applied Machining - Blueprints Reading for Machinists

Southcentral Kentucky Community and Technical College (SKYCTC)

SKYCTC is pleased to announce one of the most extraordinary academic opportunities that is changing lives, and making college more accessible, affordable, and achievable. *On Track* is a partnership between the Warren County Public Schools and Southcentral Kentucky Community and Technical College (SKYCTC) in which high school students will have the opportunity to be a part of a truly unique experience -- enrolling in college courses, prior to high school graduation. The goal of this program is to get high school seniors on the fast track to being college ready and to prepare them for the next big decision they will face . . . "Where will I go to college?"

On Track offers students the opportunity to take SKYCTC college level courses at a very affordable tuition rate, while in high school and living at home --- both are significant cost savers! Students pay for books, supplies, and the first credit hour of each course in which they are registered.

Warren County Public Schools have worked with SKYCTC to create a seamless transition between high school and college. Students can take college classes after school, in the evenings, or on weekends. With permission from the guidance counselor, it may also be possible for students to take courses during school hours --- please consult with your counselor.

Applying to SKYCTC's dual-credit program is easy, and we're here to help. Just follow these steps:

1. You will need to get a dual credit enrollment packet which includes step-by-step instructions. Please contact Kristie Lee or Ali Bomar to get a packet sent to you.
2. Fill out your application. It's free, and only takes about 15 minutes to complete.
3. Submit your scores from the ACT or SAT. If you haven't taken either test, you can take placement tests instead.
4. Turn in the Dual Credit Enrollment Contract (last page of the packet). Make sure you sign the form, along with your high school counselor and a parent or guardian.

Note: If you are a public or private high school student, your high school will determine dual credit enrollment eligibility. SKYCTC representatives will also visit your school to assist in the dual credit registration process.

Homeschool students should contact Ali Bomar or Kristie Lee for a registration appointment.

Have questions? Contact Ali Bomar at 270.901.4324 or Kristie Lee at 270.901.1236

While you're at it check out the [DC to Finish Scholarship](#) information!

Get started today on the fast track to a great education and a better life. We look forward to meeting you!

Classes offered at WCHS through SKYCTC:

Anatomy and Physiology

English 101

English 161

*Classes do transfer from SKYCTC to WKU

Campbellsville University

- You can sign up at <https://www.campbellsville.edu/admission-and-aid/dual-credit/>
- If you choose to take an online course, make sure you pay attention to the dates. It may possibly be a bi-term course, lasting only 8 weeks. This causes the course to go at an accelerated speed, requiring you to put additional time into the course. *The other ~10 weeks of the semester you will be assigned to a teacher as a study student.* (CU classes taught at WCHS will last the entire school year)
- The courses offered through Campbellsville online vary, and will be available for you to see once you have been accepted to the college.

As a dual-credit student, you earn college credit for the program courses you take during a regular high school day. That means you're getting a head start on college. Teachers are qualified college instructors, so the educational quality is comparable to what you would receive on a college campus. And since all courses correspond with courses offered at Campbellsville University, you're actually on a path toward a college degree.

Eligible high school sophomores, juniors, and seniors may participate in the dual credit program. Dual credit courses must be in accordance with the university's General Education Program and be approved by the academic vice president and the dean of the specific academic area. Once a course is completed, the student's grades and credit hours appear on his/her official Campbellsville University transcript. Courses may be taken at your high school, online, or at any of our CU campuses.

3 Easy steps to Enroll:

- 1) Submit an application online or paper.
- 2) Send your transcript with a minimum GPA of 3.0 or better.
- 3) Select which class(es) you would like to take.

Tuition for 2019-2020 Academic year is \$56 per credit hour (\$168 for a 3 credit hour class)

Most Courses offered online are set up in an 8 week bi-term and move at a vigorous pace. To see what courses are available, see your guidance counselor.

WKU Dual Credit Program

The purpose of Western Kentucky University's Dual Credit Program is to provide enrichment opportunities to academically talented students who are ready for the challenge of university coursework. The program enables qualified students to enroll in university courses while still in the familiar high school setting. Courses are offered at a substantially reduced tuition rate and provide a means of preparing college bound students to make a successful transition to postsecondary education. Students receive both high school credit and college credit upon successful course completion.

- Students choosing to take a dual credit course are admitted to Western Kentucky University as a non-degree seeking high school student.
- If the student desires to come to WKU as a freshman, he or she would need to reapply and would be admitted subject to meeting the WKU admissions requirements for a degree-seeking student.
- The student will need to submit a request form for each semester he or she enrolls in dual credit courses.
- The guidance counselor attaches the student's transcript to the application and recommends the student for the course based on their potential for academic success at the college level as evidenced by their G.P.A., ACT scores (if taken) and pre-college curriculum enrollment.
- Western Kentucky University will bill the student directly for the course fee of \$174.00. Courses for 1st semester will be billed in August. Courses for 2nd semester will be billed in January.
- The \$174.00 course fee provides 3 hours of college credit at a significant cost savings! In previous years, if a student were to enroll in this class on their own, the cost would be approximately \$1,143.00.
- The grade earned in a dual credit course becomes part of the student's official transcript at Western Kentucky University and their High School Transcript.
- Most other colleges and universities will accept this class for credit at their institution.

See Guidance for more information regarding this program.

WKU Dual Credit Course Offering

11th & 12th Grade

The following courses have been discussed as possible dual credit educational opportunities for Warren Central High School students in the school year of 2019-20. The cost per course is \$174. Students will earn 3 credit hours per course for WKU and 1 credit per course as an elective at Warren Central.

Astronomy: Astronomy is the study of space and extra-terrestrial systems. The study will include a history of astronomy from the ancients to modern time, astronomical instruments, the solar system, stars and stellar change over time, galaxies, and cosmology. Students will learn modern astronomical image processing and spectra analysis as preparation to lab observation.

Personal Finance: Designed to serve the personal finance needs of students regardless of their major fields. Practical applications in personal and family planning, including credit, buying, borrowing, banking, insurance, investments, taxation, estate planning and home ownership.

Honors Chemistry I: Honors Chemistry I covers the same topics and content as Chemistry I but in greater depth of knowledge and content. Honors Chemistry is also a SPAN class in association with the WKU chemistry department. Students have an opportunity to receive dual credit from both Warren Central and WKU receiving a grade and credit **for Chem 105/106**.

Chemistry II: Dual credit for Chem 107/108.

Music Appreciation 120: This course is a listener's guide to Western music. It is designed especially for those who have no training in music, but want to listen to and learn about classical and twentieth-century music in general. Here the emphasis will be on listening, for it is possible to recognize musical pieces and to distinguish among different musical styles without being able to read or write or play an instrument. Music is an aural art. It calls on one to use a sense that is seldom called for in any other academic discipline. There is no one sure and simple way to develop a musical ear, for that itself is an art. But, by listening to an array of pieces and by trying to hear what makes them different or special, you will find yourself developing a faculty that you may have never known you had. You will also learn something about the history of western classical music and how that tradition is still a part of modern composition and music-making.

The above list of dual credit courses is not all-inclusive. Western Kentucky University offers a variety of dual credit online courses. For a complete list of course offerings, go to www.wku.edu/dualcredit/online. Each course currently costs \$174.00. All dual credit courses are recorded on your high school and college transcript and the grade earned is included in your grade point average at both schools.

Dual Credit Courses

Warren Central High School offers dual credit courses in the following ways:

- 1. Online classes through Western Kentucky University,*
- 2. Face-to-face courses where an adjunct professor from WKU teaches a course on WCHS campus. This venue is dependent upon availability of WKU professors,*
- 3. Warren Central High School staff members teach dual credit courses (Chemistry, Anatomy, English 101, English 161, Music 120).*
- 4. Students in College Academy have the opportunity to attend SKYCTC during the school day.*

- Currently, each dual credit class costs \$174 for tuition only. Other fees may be added for textbooks and/or materials. This cost is subject to change.

- Any grade received in a dual credit class will be added to the student's transcript and calculated into their GPA at both the high school and college level.

- From the post-secondary institution's perspective, each student is treated as if they are a college student. This means that it is up to the student to access blackboard, purchase their books, pay for any fees and tuition, apply to the college, or correspond with the college when necessary.

- Students must adhere to the attendance policy from the college. If a need arises and an absence is necessary, the student is to receive prior permission from the instructor.

- Students must learn how to access blackboard.

- If a student is dropped from a dual credit class for non-payment, no-show, no participation in blackboard or no official registration, then the student will receive a "WF" (withdraw failing) on their transcript.

- Students who drop a dual credit course after the drop date deadline will receive a "WF" (withdraw failing) on their transcript.

- Students who take a M/W or T/TH dual credit course, where an adjunct professor from a post-secondary institution teaches a course on Warren Central's campus, will be allowed to be out of school the other three days for that period of time the course does not meet. Additionally, anytime class is not in session, students will not be required to be in attendance at Warren Central High School.

- Students who attend a post-secondary institution off WCHS campus (ex: SKYCTC) will not be required to be in attendance at Warren Central High School during the time period the off-campus class does not meet.

- Students may have an opportunity to take an online course (or courses). These courses are taken at home during 1st or 7th period only. It is important to note that only one period will be assigned for online classes regardless of the number of online courses taken. Online classes are reserved for highly independent and motivated students.

- Dual credit courses are taken from a particular college. Please check with your college of choice for transfer of the credits. Search "transfer equivalency" on the college website.

How to register for Online Dual Credit Courses

WKU Dual Credit Website: www.wku.edu/dualcredit/online

Step 1:

Go to WKU On-line Course Registration <https://www.wku.edu/dualcredit/online/> - Scroll to the bottom of the page and choose **CLICK HERE TO SIGN UP TODAY!** Complete ALL of the information they ask for and **SUBMIT**. PLEASE NOTE: You will receive a confirmation that your form was submitted & have spot in course this does not mean you have been registered to the course yet.

Step 2:

Complete a registration form for WKU. www.wku.edu/dualcredit/apply - Select the link to "Application Account Creation" "Create a login account and complete the application. (You will need your social security number & please use your own personal email NOT your SWHS school email.) After you have completed all the information you will need to check the email account you used. It will give you your Western ID within 3 days.

Step 3:

Once you have received your admission email with student ID & email from dual credit (Brittney Scholar) confirming registration to course. Check your schedule in your TopNet Account & submit a printed copy to your counselor so that the class can be added to your WCHS schedule.

*The email from dual credit could take anywhere from 1 day to 3 weeks.

Electives 9th Grade

Agriculture Department

- Principles of Agriculture Science and Technology

Business Department

- Digital Literacy
- Business and Marketing Essentials
- Introduction to Money Management

Family and Consumer Sciences Department

- FACS Essentials
- Parenting
- Relationships
- Foods and Nutrition

Fine Arts Department

- Visual Arts I
- Instrumental Ensemble/Band
- Instrumental Ensemble/Concert Orchestra (Strings)
- Chorus I- Beginners
- Chorus II- Women's Chorus

JROTC

- Military Science I (Introduction to Leadership)

Social Studies Department

- African American Studies
- Global Issues
- Law and Justice

Language Arts Department

- Creative Writing
- Introduction to Theatre
- Literature in Film
- History and Appreciation of Visual and Performing Arts Survey

* Please carefully consider your choices according to your career goals from your ILP.

*Ask for help from parents, guidance counselors, and teachers with these decisions!

*Take classes in your career pathway.

Electives 10th grade

Agriculture

- Principles of Agriculture Science
- Animal Science
- Small Power and Equipment
- Food Science Technology

Business Education

- Digital Literacy
- Microsoft Office Specialists
- Multimedia Publishing
- Business Marketing and Essentials
- Introduction to Money Management

Family and Consumer Sciences

- FACS Essentials
- Parenting
- Relationships
- Child Development Services I
- Foods & Nutrition
- Culinary I

Junior Reserve Officers Training Corps (JROTC)

- Military Science I (Introduction to Leadership)
- Military Science II (Basic Leadership)

Art

- Visual Arts I
- Visual Arts II

Vocal

- Chorus I - Beginners
- Chorus II - Women's Choir
- Vocal Ensemble I - Advanced
- Music Theory

Instrumental

- Instrumental Ensemble/Beginning Orchestra I-II (Strings)
- Instrumental Ensemble/Band I-II
- Instrumental Ensemble Independent Study in Music

Physical Education/Health

- Physical Education II
- Conditioning/Weightlifting I

Other

- Broadcasting

Foreign Language

- Spanish I
- Spanish II
- French I
- French II

Language Arts

- Introduction to Theatre
- Theatre II/Theatre Design and Technology
- Literature in Film
- History and Appreciation of Visual and Performing Arts Survey
- Creative Writing

Science

- AP Biology
- AP Chemistry
- Medical Science
- Marine Biology
- Zoology
- Principles of Engineering Technology
- Computer Science

Social Studies

- African American Studies
- Global Issues
- Law and Justice

-
- Please carefully consider your choices according to your career goals from your ILP
 - Ask for help* from parents, guidance counselors, and teachers with these decisions
 - Take classes in your career pathway
-

Electives 11th grade

Agriculture

- Animal Science
- Small Power and Equipment
- Food Science Technology
- Agricultural Construction Skills
- Agricultural Structure and Design

Business Education

- Microsoft Office Specialists
- Multimedia Publishing
- Business Management
- Advance Accounting

Family and Consumer Sciences

- Child Development Services I
- Child Development Services II
- Culinary I
- Culinary II

Junior Reserve Officers Training Corps (JROTC)

- Military Science I (Introduction to Leadership)
- Military Science II (Basic Leadership)
- Military Science III (Transitional Leadership)

Art

- Visual Arts I
- Visual Arts II
- Visual Art II
- Advanced Visual Art

Vocal

- Chorus I - Beginners
- Chorus II - Women's Choir
- Vocal Ensemble I - Advanced
- Music Theory
- Music Appreciation (Dual Credit)

Instrumental

- Instrumental Ensemble/Beginning Orchestra I-III (Strings)
- Instrumental Ensemble/Band I-III
- Instrumental Ensemble Independent Study in Music

Physical Education/Health

- Physical Education II
- Conditioning/Weightlifting I/II

Other

- Broadcasting
- Yearbook

Foreign Language

- Spanish I
- Spanish II
- French I
- French II

Language Arts

- Introduction to Theatre
- Theatre II/Theatre Design and Technology
- Literature in Film
- History and Appreciation of Visual and Performing Arts Survey
- Creative Writing

Science

- AP Biology
- AP Chemistry
- AP Physics
- Anatomy and Physiology
- Forensics
- Chemistry II - Introduction to Organic Chemistry
- Astronomy
- Medical Science
- Marine Biology
- Zoology
- Principles of Engineering Technology
- Computer Science

Social Studies

- African American Studies
- Global Issues
- Law and Justice

ATC

- Automotive
- Carpentry
- Health Science
- Information Technology
- Welding Technology
- Industrial Maintenance
- Computerized Manufacturing and Machinery

WKU Dual Credit Classes: A course fee of \$174 is required. Guidance counselor recommendation required.

WKU Professor (when available)

Political Science

Warren Central teacher taught throughout the day

- Advanced Accounting
- Honors Chemistry (WKU Chem 105/106)
- Introduction to Organic Chemistry (WKU Chem 106/107)
- English 101*
- English 161*
- Anatomy and Physiology
- Music Appreciation 120

Campbellsville University Dual Credit Classes: A course fee of \$174 is required. Guidance counselor recommendation required. Course options vary.

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- Please carefully consider your choices according to your career goals from your ILP
 - Ask for help* from parents, guidance counselors, and teachers with these decisions
 - Take classes in your career pathway
-

Electives 12th grade

Agriculture

- Animal Science
- Food Science Technology
- Small Power & Equipment
- Agricultural Construction Skills
- Agricultural Structures and Design

Business Education

- Advanced Accounting (Dual Credit)
- Business Management
- Microsoft Office Specialists
- Multimedia and Graphic Design

Consumer and Family Sciences

- Child Development Services I
- Child Development Services II
- Culinary Skills I
- Culinary Skills II

Junior Reserve Officers Training Corps (JROTC)

- Military Science I (Introduction to Leadership)
- Military Science II (Basic Leadership)
- Military Science III (Primary Leadership)
- Military Science IV (Advanced Leadership)

Art

- Visual Arts I
- Visual Arts II
- Visual Arts III
- Independent Study in Art
- Advanced Visual Art

Vocal

- Choir I - Beginning
- Choir II - Women's Choir
- Vocal Ensemble Advanced Choir
- Music Theory
- Music Appreciation (dual credit via WKU)

Instrumental

- Instrumental Ensemble/Band
- Instrumental Ensemble Independent Study in Music
- Instrumental Ensemble/Concert Orchestra (Strings)

Physical Education/Health

- Physical Education II
- Conditioning/Weightlifting I
- Conditioning/Weightlifting II
- Conditioning/Weightlifting III

Other:

- Yearbook
- Broadcasting

Foreign Language

- Spanish I
- Spanish II
- French I
- French II

Language Arts

- Introduction to Theatre
- Theatre II/Theatre Design and Technology
- Literature in Film
- History and Appreciation of Visual and Performing Arts Survey
- Creative Writing

Science

- Anatomy and Physiology (Dual Credit)
- AP Biology
- AP Chemistry
- AP Physics
- Astronomy
- Forensic Science
- Chemistry 2/Introduction to Organic Chemistry
- Advanced Physics Lab
- Medical Science
- Marine Biology
- Zoology
- Principles of Engineering Technology
- Computer Science

Social Studies

- African American Studies
- Global Issues
- Law and Justice

ATC

- Automotive
- Carpentry
- Health Science
- Information Technology
- Welding Technology
- Industrial Maintenance
- Computerized Manufacturing and Machinery

WKU Dual Credit Classes: A course fee of \$174 is required. Guidance counselor recommendation required.

WKU Professor (when available)

Political Science

Warren Central teacher taught throughout the day

- Advanced Accounting
- Honors Chemistry (WKU Chem 105/106)
- Introduction to Organic Chemistry (WKU Chem 106/107)
- English 101*
- English 161*
- Anatomy and Physiology
- Music Appreciation 120

Campbellsville University Dual Credit Classes: A course fee of \$174 is required. Guidance counselor recommendation required. Course options vary.

Warren County Area Technology Center

Automotive

- Automotive Maintenance Section A
- Automotive Maintenance Section B
- Automotive Maintenance Section C
- Automotive Maintenance Section D

Computer Tech

- Intro to Construction
- Industrial Safety
- Floor and Wall Framing
- Site Layout & Foundations
- Ceiling and Roof Framing
- Exterior and Interior Finish

Info. Technology

- Computer Literacy
- Computer Hardware & Software
- CISCO I *Networking*
- CISCO II Networking II

Health Science

- Intro to Nursing and Health Care Systems
- Medical Terminology
- Emergency Procedures
- Medicaid Nurse Aide
- Health Sciences Anatomy & Physiology

Welding

- Oxy-Fuel Systems
- Shielded Metal Arc Welding
- GMAW Gas metal Arc Welding
- Blueprint Reading for Welding

-
- Please carefully consider your choices according to your career goals from your ILP
 - Ask for help* from parents, guidance counselors, and teachers with these decisions
 - Take classes in your career pathway
-

Technology Proficiency

To complete this graduation requirement, students must earn a credit through a Digital Literacy course or complete lessons 1-5 and the exam for the digital driver's license.

Course: Digital Literacy
Diploma Level: Academic or Scholastic
Credit: 1
Length: All Year
Grade Level: 9-10
Prerequisite: None

Course Description:

Students will use a computer and application software including word processing, presentations, database, spreadsheets, internet, and email to prepare documents and reports. The impact of computers on society and ethical issues are presented. In this course students will learn the basic applications of Microsoft Office: Word, PowerPoint, Excel, Publisher, and Access. Leadership development will be provided through FBLA.

*******OR*******

Digital Citizenship-9th Grade Curriculum

<https://sites.google.com/warren.kyschools.us/digitalcitizenship/9th-grade>