LIVINGSTON CENTRAL HIGH SCHOOL

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Course Registration Guide 2025-2026

A Note from your Counselors

Livingston Central High School Families,

Welcome to our course guidebook, where we are thrilled to introduce you to the multitude of opportunities available at LCHS. We encourage you to utilize this course registration guide to explore your path. Here, you'll find essential information for course registration and pathways. Accurate registration is crucial to ensure students are placed in suitable courses. As every student's needs differ, supplementing this guide with discussions with teachers, administrators, or counselors may be necessary. Our curriculum offers students the chance to fulfill core content and graduation requirements while also exploring elective options in career interests and developing essential skills for the future. Should you have any questions regarding course registration or pathways, don't hesitate to contact your school counselors at the information below.

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LCHS General Graduation Requirements

Required Credits
English – 4 Credits
Math – 4 Credits
Social Studies – 3 Credits
Science – 3 Credits
Arts & Humanities – 1 Credit
Financial Literacy - 1 Credit (For class of 2029 and beyond)
Health (0.5) & PE (0.5) – 1 Credit
Electives/Career Pathway – 9 Credits

Total Credits Required for Graduation: 25

Other Graduation Requirements:

- Pass state-mandated civics exam
- Successful completion of a course or program in financial literacy
- Receive instruction in essential workplace ethics
- Demonstrate competency in technology

Highest Honors Requirements

The GPA (Grade Point Average) is calculated on a 4.0 scale. **Honor students will be any student with a 3.5 or greater GPA.** A weighted GPA scale for calculation of highest honors will be used for classes graduating after 2023.

Valedictorian & Salutatorian Status

To be the valedictorian or salutatorian, students must be in good standing in the areas of academics, behavior, and attendance. **Students graduating after 2023 are required to have four honors classes in each content area.**

Transfer students must have had the highest level of a course offered at their school to be considered for either status. Only their AP and Dual Credit courses will be weighted.

Honors/AP/Dual Credit Course Offerings for 2025-2026

Subject	9th Grade	10th Grade	11th Grade	12th Grade
ENGLISH	Honors Eng. 1	Honors Eng. 2	Honors Eng. 3 DC – Public Speaking COM 181	Honors Eng. 4 DC – English 101 DC – English 102 DC – Public Speaking COM 181
SCIENCE	Honors Integrated Science	Honors Biology	Honors Chemistry	Honors Anatomy DC – Biology 112/113 DC – Medical Terminology AHS 115
MATH	Honors Algebra 1 Honors Geometry	Honors Geometry Honors Algebra 2	Honors Algebra 2 Pre-Calculus	Pre-Calculus DC – College Algebra MAT 150 DC – Statistics STA 135
SOCIAL STUDIES	Honors American Government	World History Honors	Honors US History DC – Psychology PSY 110	DC – Psychology PSY 110 DC – History 101 DC – ART 100

**Other Dual Credit options are available through WKCTC and/or Murray State on an individual student basis.*

FAQs

PREREQUISITE:
As you read through the course options, please be mindful of any prerequisites associated with them. Pathway courses might necessitate completion of an introductory course before advancing, whereas certain other courses may mandate an application, teacher endorsement, or special consent. Failure to meet prerequisites will result in a student not being enrolled in the course.

NCAA AND NAIA ELIGIBILITY:
Students intending to pursue athletics at the college level may discover that their chosen institution requires registration with either the NCAA or NAIA for eligibility. For NCAA eligibility criteria, please refer to https://web3.ncaa.org/ecwr3/. The NCAA website provides a list of mandatory courses and approved courses for our school. It is imperative for students to consult this list when enrolling in high school courses. Ensuring that the selected courses meet NCAA requirements is the responsibility of the student. For NAIA eligibility requirements, please visit http://www.playnaia.org/. If students have any inquiries, they are encouraged to meet with their coach, athletic director, or school counselor.

COURSE CHANGES:
Any course changes will be completed within the first 15 school days of quarter 1. Instructors will need to approve student-requested section changes and may initiate a section change if a student is clearly misplaced.

ADVANCED PLACEMENT:
AP stands for Advanced Placement, which are college level courses that are operated by the College Board. These higher level courses are offered at high schools to provide students an opportunity to earn college credit. Each AP course is associated with a large test that the course is oriented for. The test occurs at the end of the year and usually consists of a multiple choice and writing portion. Your AP score could earn you college credits before you even set foot on campus. In fact, most AP students who enroll in four-year colleges start school with some credit. AP course credit is weighted on a student's Livingston Central High School transcript.

DUAL CREDIT:
To be eligible for dual credit courses, students must meet the requirements as specified by the dual credit postsecondary partner. Students and parents should attend an annual meeting related to dual credit information, student and parent expectations, postsecondary obligations, and high school graduation requirements to understand the ramifications of the benefits and challenges related to outcomes.

All dual credit courses taken will be listed on the student transcript at the high school level and are weighted.

CORE CLASSES

Required for Graduation

ENGLISH

9th Grade	10th Grade	11th Grade	12th Grade
English 1 Honors English 1	English 2 Honors English 2	English 3 Honors English 3	English 4 ENG 101 ENG 102

MATH

9th Grade	10th Grade	11th Grade	12 Grade
Algebra 1 Honors Algebra 1 Honors Geometry	Geometry Honors Geometry Honors Algebra II	Algebra II Honors Algebra II Pre-Calculus	Pre-Calculus Algebra 3 MAT 150 Personal Finance

SCIENCE

9th Grade	10th Grade	11th Grade	12th Grade (Not Required)
Integrated Science Honors Integrated Science	Biology Honors Biology	Honors Chemistry Environmental Science	Honors Anatomy BIO 112/113

SOCIAL STUDIES

9th Grade	10th Grade	11th Grade	12th Grade (Not Required)
American Government Honors American Government	World History Honors World History	US History Honors US History	HIS 101 PSY 110

CORE CLASSES
Required for Graduation

VISUAL PERFORMING ARTS (1 Credit Required)

Band
Choir
Musical Theatre
Visual Art 1
Ceramics
Drawing/Painting
Sculpture

FINANCIAL LITERACY (1 Credit Required for Class of 2029 and beyond)

Financial Literacy for Math
Personal Finance
Money Skills

HEALTH/PE (0.5 Credit Each Required)

Health (0.5 credit)
PE (0.5 credit)
Advanced PE
Weightlifting

ELECTIVES (9 Required)

Please see next page for a list of electives

SCHEDULING & ADVISING FORM

	Grade 9		Grade 10		Grade 11		Grade 12
1	English 1 or Honors English 1		English 2 or Honors English 2		English 3 or Honors English 3		English 4 or ENG 101/ENG 102
2	Algebra 1 or Honors Algebra 1 or Honors Geometry		Geometry or Honors Geometry or Honors Algebra II		Algebra II or Honors Algebra II or Pre-Calculus		Pre-Calculus or Algebra 3 or MAT 150 or Personal Finance
3	Integrated Science or Honors Integrated Science		Biology or Honors Biology		Honors Chemistry or Environmental Science		Honors Anatomy or BIO 112/113
4	American Government or Honors American Government		World History or Honors World History		US History or Honors US History		HIS 101 or PSY 110
5	Financial Literacy Course or Elective _____		CTE Pathway Course or Elective _____		CTE Pathway Course or Elective _____		CTE Pathway Course or Elective _____
6	Health/PE (Required)		CTE Pathway Course or Elective _____		CTE Pathway Course or Elective _____		CTE Pathway Course or Elective _____
7	Visual Performing Arts (Required) or Elective _____		CTE Pathway Course or Elective _____		CTE Pathway Course or Elective _____		CTE Pathway Course or Elective _____

Alternate Course #1 _____

Alternate Course #2 _____

CAREER PATHWAYS

To complete a career pathway, you need to complete four courses in one pathway AND pass an EOP Exam or Industry Certification for that pathway. Please view your transcript and check the classes you have completed or are currently taking.

AGRICULTURE

Animal Science

Principles of Agriculture
Animal Science
Small Animal Technology
Veterinary Science
Agriculture Employability Skills
Agriculture Internship
Agriculture Co-op
AGR 100
AGR 185
AGR 199

Plant Science

Principles of Agriculture
Intro to Greenhouse
Greenhouse Technology
Floral Design
Agriculture Employability Skills
Agriculture Sales & Marketing
Agriculture Intern
Agriculture Co-op
AGR 140
AGR 160

Environmental Science and Natural Resource Systems

Principles of Agriculture
Wildlife Resources
Intro to Greenhouse
Greenhouse Technology
Agriculture Employability Skills
Agriculture Internship
Agriculture Co-op

ALLIED HEALTH

Allied Health

Principles of Health Science
Emergency Procedures
Medical Terminology
Allied Health Core Skills
Body Structures and Functions
OR
Anatomy
Introduction to Public Health
Co-op Allied Health
Internship Allied Health
AHS 115

Patient Care Technician

Principles of Health Science
Emergency Procedures
Medical Terminology
Acute Care Basic Skills
Body Structures and Functions
OR
Anatomy
Co-op Patient Care Technician
Internship Patient Care Technician
AHS 115

BUSINESS & MARKETING

Administrative Support

Business/Marketing Essentials
Digital Literacy
Multimedia Publishing
Personal Finance
Business Internship
Business Co-op
Medical Term/Emergency Pro.

E-Commerce

Business/Marketing Essentials
Digital Literacy
Multimedia Publishing
Personal Finance
Business Internship
Business Co-op

Marketing

Business/Marketing Essentials
Marketing Principles
Marketing Applications
Personal Finance
Marketing Internship
Marketing Co-op

CONSTRUCTION

Residential Carpenter Assistant
Introduction to Construction Technology
Floor and Wall Framing
Ceiling and Roof Framing
Exterior and Interior Finish
Carpentry Co-op

EDUCATION & TRAINING

Teaching & Learning
The Learning Community
The Learner-Centered Classroom
The Professional Educator
Collaborative Clinical Experience
Principles of Career & Technical Education

FAMILY & CONSUMER SCIENCES

Early Childhood Education
FCS Essentials
Early Lifespan Development
Child Development Services I
Child Development Services II
Principles of Teaching
Internship: Early Childhood Education
Co-op: Early Childhood Education

WELDING

Welder Entry Level
Blueprint Reading for Welding (0.5 Credit)
Basic Welding (0.5 Credit)
GTAW - Gas Tungsten Arc Welding and Lab
SMAW Groove Welds with Backing Lab
GMAW Groove Lab
Gas Metal Arc Welding and Lab
SMAW - Shielded Metal Arc Welding and Lab
Internship Welding
Co-op Welding

DUAL CREDIT

WKCTC Dual Credit Enrollment Requirements

- Current 11th or 12th grader
- 2.5 GPA
- Classes are online
- Students will work on their own and are required to keep up with their work according to WKCTC professor timelines
- Some classes will require the purchase of a textbook
- LCHS Counseling Office will help students apply to WKCTC for Dual Credit courses and complete all enrollment paperwork
- Students have access to scholarships to pay for dual credit/work ready courses

MSU Racer Academy Enrollment Requirements

- Current 11th or 12th grader
- 3.0 GPA
- ACT Requirements for some classes
- All Racer Academy classes are online classes
- Students will work on their own and are required to keep up with their work according to Murray State University professor timelines
- Some classes will require the purchase of a textbook
- LCHS Counseling Office will help students apply to MSU Racer Academy and complete all enrollment paperwork
- Students have access to scholarships to pay for dual credit/work ready courses

Dual Credit Scholarships

2025-2026 State-funded scholarship programs for high school students taking dual credit.

		Dual Credit Scholarship	Work Ready Dual Credit Scholarship
Type of Dual Credit Coursework	General Education	Yes	No
	Career & Technical Education	No	Yes

Maximum Scholarship Award	2 Courses this year*	2 courses per year

Grade Level of Eligible Students			
	9	No	Yes
	10	No	Yes
	11	Yes	Yes
	12	Yes	Yes

*Dual Credit Scholarship eligibility has been temporarily expanded to pay for up to two courses each year for the 2022-2023 and 2023-2024 academic years. Eligibility is subject to revert back to two course per student (instead of two per year) starting with the 2024-2025 academic year.

Note that applying for admission to an institution and registering for a dual credit course is not the same as applying for a scholarship. Separate processes must be completed. Your high school's counselor can provide information on the specific steps to take.

Students may take additional dual credit courses at a discounted dual credit rate by paying out-of-pocket for coursework not covered by the scholarship program. The maximum amount a participating post-secondary institution can charge for dual credit courses during the 2023-2024 year is $93 per credit hour.

KHEAA offers a variety of resources to help students and parents plan and pay for college. Visit www.kheaa.com or call us at)(800) 928-8926 for more information.

Racer Academy Course Options
(Subject to change each semester)

Work Ready	Dual Credit
AGR 100	CIV 201
AGR 130	COM 161
AGR 133	EES 110
AGR 140	EES 125
AGR 160	EES 199
AGR 182	ENG 105
AGR 185	SPA 101
AGR 199	SPA 102
CSC 199	SPA 201
ECO 190	THD 104
EDP 260	CHE 105
EDU 180	
EDU 280	
NTN 230	

Course Options
(Subject to change each semester)

Work Ready	Dual Credit
AHS 115	ART 100
CIT 105	COM 181
	BIO 112/113
	ENG 101/102
	HIS 101
	PSY 110
	MAT 150

Course Descriptions

ENGLISH DEPARTMENT

Placement in honors English courses is based on teacher recommendation and student's maintaining a B or higher average.

English 1 - 9th Grade
***Course Required for Graduation.** The course is designed to present a wide range of reading experiences with print and non-print texts for literary, informational, argumentative, analytical and practical purposes. Students use writing to learn and writing to demonstrate learning strategies, as well as the writing process and criteria for effective writing, to comprehend and analyze complex texts and write in a variety of forms and for multiple audiences and purposes. Receptive and expressive skills are used to communicate information for a variety of authentic purposes, situations and audiences. The integration of inquiry skills and technology with the other strands allows students to continue to discover and communicate ideas and information.

English 2 - 10th Grade
***Course Required for Graduation.** The course is designed to present a wide range of reading experiences with print and non-print texts for literary, informational, argumentative, analytical and practical purposes. Students use writing to learn and writing to demonstrate learning strategies, as well as the writing process and criteria for effective writing, to comprehend and analyze complex texts and write in a variety of forms and for multiple audiences and purposes. Receptive and expressive skills are used to communicate information for a variety of authentic purposes, situations and audiences. The integration of inquiry skills and technology with the other strands allows students to continue to discover and communicate ideas and information.

English 3 - 11th Grade
This course is designed to present a wide range of reading experiences with print and non-print texts for literary, informational, argumentative, analytical and practical purposes. Students use writing to learn and writing to demonstrate-learning strategies, as well as the writing process and criteria for effective writing, to comprehend and analyze complex texts and write in a variety of forms and for multiple audiences and purposes. Receptive and expressive skills are used to communicate information for a variety of authentic purposes, situations, and audiences. The integration of inquiry skills and technology with the other strands allows students to continue to discover and communicate ideas and information. Course adheres to Kentucky Academic Standards requirements and is required for students entering high school before 2019-2020.

English 4 - 12th Grade
This course is designed to present a wide range of reading experiences with print and non-print texts for literary, informational, argumentative, analytical and practical purposes. Students use writing to learn and writing to demonstrate learning strategies, as well as the writing process and criteria for effective writing, to comprehend and analyze complex texts and write in a variety of forms and for multiple audiences and purposes. Receptive and expressive skills are used to communicate information for a variety of authentic purposes, situations and audiences. The integration of inquiry skills and technology with the other strands allows students to continue to discover and communicate ideas and information. Course adheres to Kentucky Academic Standards requirements and is required for students entering high school before 2019-2020.

Journalism/Yearbook - 11th or 12th Grade
Content for this course may vary. Possible topics may include: information gathering, writing, editing/proofreading, layout and production in print, digital and online formats.

MATH DEPARTMENT

Placement in honors Math courses is based on teacher recommendation and student's maintaining a B or higher average.

Algebra 1 - 9th Grade

***Course Required for Graduation.** This course is the study of high school Algebra 1 content. Upon completion of the course, students should be able to: (1) extend the properties of exponents to rational exponents; (2) reason quantitatively and use units to solve problems; (3) interpret the structure of linear, quadratic, and exponential expressions; (4) write expressions in equivalent forms to solve problems; (5) perform arithmetic operations on polynomials; (6) understand the relationship between zeros and factors of first and second degree polynomials; (7) create linear, quadratic, or exponential equations that describe numbers or relationships; (8) understand solving equations as a process of reasoning and explain the reasoning; (9) solve equations and inequalities in one variable and solve systems of linear equations in two variables; (10) represent and solve equations and inequalities (including systems of linear equations and inequalities) graphically; (11) understand the concept of a function, specifically a linear, quadratic or exponential function and use function notation; (12) interpret linear, quadratic and exponential functions that arise in applications in terms of the context; (13) analyze functions (especially linear and quadratic functions) using different representations; (14) build a function that models a relationship between two quantities; (15) construct and compare linear, quadratic and exponential models and solve problems; (16) interpret expressions for functions in terms of the situation they model; (17) summarize, represent and interpret data on two quantitative variables; and (18) interpret linear models. This course should be designed to meet the high school graduation credit for Algebra 1 and to build a solid foundation necessary for future high school mathematics courses. This course contains modeling standards.

Algebra II - 11th Grade

This course is the study of high school Algebra 2 content. Upon completion of the course, students should be able to (1) reason quantitatively and use units to solve problems; (2) perform arithmetic operations with complex numbers and use complex numbers as necessary within the process of solving quadratic equations; (3) perform operations on matrices and use matrices in applications; (4) interpret the structure of expressions; (5) write polynomial expressions in equivalent forms to solve problems; (6) understand the relationship between zeros and factors of polynomials; (7) create equations that describe numbers or relationships; (8) understand solving equations, including radical and rational equations, as a process of reasoning and explain the reasoning; (9) solve systems of equations consisting of linear and quadratic equations; (10) understand the concept of a function, use function notation and interpret functions that arise in applications in terms of the context; (11) analyze functions using different representations; (12) build a function that models a relationship between two quantities by combining standard function types using arithmetic operations; (13) construct and compare models and solve problems; (14) summarize, represent and interpret data on one or two categorical and quantitative variable(s); (15) understand and evaluate random processes underlying statistical experiments; (16) make inferences and justify conclusions from sample surveys, experiments and observational studies; (17) understand independence and conditional probability and use them to interpret data; and (18) use the rules of probability to compute probabilities of compound events. The content of the course is High School Algebra 2 and may be titled locally as Applied Algebra 2, Technical Algebra 2 or named as an interdisciplinary Algebra 2. This code is to be used for both middle and high school students taking Algebra 2 for graduation credit. It is also to be used in lieu of the Integrated/Applied Math 3 or 4 depending on which course completes the required high school math curriculum (see course code 270704). (Please consult the content permissions on the teacher's certificate regarding permissions to teach this content in middle school up to 9th grade. Credentials listed for this course are secondary mathematics certifications only.) This course contains modeling standards. Course adheres to Kentucky Academic Standards for Mathematics and is required for students entering high school before 2019-20. Although a course entitled Algebra 2 is no longer a foundational course requirement, there are additional standards not aligned to Algebra 1 or Geometry courses still required for all students. These remaining required standards must be taught during the personalized course options either during the 3rd

course, the 4th course or through a combination of 3rd/4th courses. Schools can continue to offer Algebra 2 courses to cover those remaining required standards; however, Algebra 2 is no longer the only path for students to follow that will cover those standards.

Algebra III - 12th Grade
This course is designed for students who have completed courses containing all the required high school Kentucky Academic Standards (KAS) for Mathematics. If students have not completed courses containing all the required KAS for Mathematics, an Algebra 3 course should attend to standards students still need. An Algebra 3 course may include, but is not limited to, topics found in the (+) standards of the KAS for Mathematics. This course might include objectives that require students to solve applied problems using various types of equations (linear, quadratic, exponential, trigonometric, logarithmic, power and piece-wise functions), to read and analyze real-life problems using mathematical modeling, to perform matrix operations, to use numerical and graphical data to make reasonable and valid conclusions, to solve applied problems that can be modeled with equations and inequalities involving absolute value, to solve systems of linear equations using several techniques including matrices, to use and verify trigonometric identities, to find terms of sequences and to find the sum of finite series.

Financial Literacy for Math - 12th Grade
This course is designed for students who have completed courses containing all the required high school Kentucky Academic Standards (KAS) for Mathematics. If students have not completed courses containing all the required KAS for Mathematics, a Personal Finance (Math Credit) course should attend to standards students still need. This course is designed to provide students with the knowledge and skills to manage one's financial resources effectively for lifetime financial security. Topics include economics, money in the economy, budgeting, credit, consumer rights, investments and retirement planning, beyond what was addressed in the student's foundational courses. A Personal Finance (Math Credit) course may include, but is not limited to, topics found in the (+) standards of the KAS for Mathematics. Leadership development will be provided through the DECA/FBLA student organizations

Geometry - 10th Grade
***Course Required for Graduation.** This course is the study of high school Geometry content. Upon completion of the course, students should be able to (1) reason quantitatively and use units to solve problems; (2) experiment with transformations in the plane; (3) understand congruence in terms of rigid motions; (4) prove geometric theorems; (5) make geometric constructions; (6) understand similarity in terms of similarity transformations; (7) prove theorems involving similarity; (8) define trigonometric ratios and solve problems involving right triangles; (9) understand and apply theorems about circles; (10) translate between the geometric description and the equation for a conic section; (11) use coordinates to prove simple geometric theorems algebraically; (12) explain volume formulas and use them to solve problems; (13) visualize relationships between two-dimensional and three-dimensional objects; and (14) apply geometric concepts in modeling situations. Since the content of Applied Geometry, Technical Geometry, Honors Geometry, Accelerated Geometry and other courses named as an interdisciplinary geometry is High School Geometry, the course code 270401 - HS Geometry should be used; however, this course may be titled locally as Applied Geometry, Technical Geometry, Honors Geometry, Accelerated Geometry, MST Geometry or named as an interdisciplinary Geometry. This code is to be used for both middle and high school students taking Geometry for graduation credit. This course contains modeling standards.

MATH DEPARTMENT

Placement in honors Math courses is based on teacher recommendation and student's maintaining a B or higher average.

Pre-Calculus 11th or 12th Grade
This course is designed for students who have completed courses containing all the required high school Kentucky Academic Standards for Mathematics. If students have not completed courses containing all the required Kentucky Academic Standards for Mathematics, a Precalculus course should attend to standards students still need. This course is designed for students to attain the concepts necessary to be successful in a Calculus course, an AP Calculus course or a Calculus course at a college or university. Objectives for this course should include, but are not limited to solve equations and inequalities involving polynomial, rational, exponential, logarithmic and trigonometric functions, to understand and apply the behavior and properties of polynomial, rational, exponential, logarithmic and trigonometric functions, to graph polynomial, rational, exponential, logarithmic and trigonometric functions, to use technology to solve and graph various types of equations and inequalities and to prove trigonometric identities. Additionally, a Precalculus course may include, but is not limited to, topics found in the (+) standards of the Kentucky Academic Standards for Mathematics.

SCIENCE DEPARTMENT

Placement in honors Science courses is based on teacher recommendation and student's maintaining a B or higher average.

Anatomy 11th or 12th Grade
Major concepts addressed in this course include plant structure, animal structure, tissues, organs, and systems.This course could serve as a science elective for high school graduation, but not as one of the three required science courses to ensure students have access to all Kentucky Academic Standards for Science.

Biology - 10th Grade
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. Students will learn these core ideas through the use of the science and engineering practices and crosscutting concepts. The science and engineering practices are the tools students will use, and skills they develop, as they investigate the natural world, and develop solutions to problems. The crosscutting concepts are conceptual ways of thinking that cross the domains of science.

Honors Chemistry - 11th Grade
This course focuses on problem solving techniques; bonding; equilibrium; equations. Students develop a conceptual understanding of chemistry content, outlined in the Kentucky Academic Standards. Students will learn these core ideas within these topics through the use of the science and engineering practices and crosscutting concepts. The science and engineering practices are skills students will use as they investigate the natural world and develop solutions to problems. The crosscutting concepts are conceptual ways of thinking that cross the domains of science.

Environmental Science - 11th Grade
Students will develop understanding of environmental concepts as outlined in the Kentucky Academic Standards for Science, such as cycling of matter, biodiversity, earth systems, energy flow and climate, and human impact. Students will learn these core ideas through the use of the science and engineering practices and crosscutting concepts. The science and engineering practices are the skills students will use as they investigate the natural world and develop solutions to problems. The crosscutting concepts are conceptual ways of thinking that cross the domains of science.This course could serve as a science elective for high school graduation, but not as one of the three required science courses to ensure students have access to all Kentucky Academic Standards for Science.

Integrated Science I - 9th Grade
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. Students will learn these core ideas within these topics through the use of the science and engineering practices and crosscutting concepts. The science and engineering practices are skills students will use as they investigate the natural world and develop solutions to problems. The crosscutting concepts are conceptual ways of thinking that cross the domains of science.

SOCIAL STUDIES DEPARTMENT

Placement in honors Social Studies courses is based on teacher recommendation and student's maintaining a B or higher average.

American Government - 9th Grade
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 branchesIf this course is selected as one of the three credits for social studies needed for graduation, the standards used for the course would have to be supplemented to ensure that a student receives all of the essential high school social studies standards within the three credit requirements. Meaning, the district will need to ensure that students have the opportunity to access all of the standards found within the Kentucky Academic Standards for Social Studies. These credits must incorporate the inquiry practices of questioning, investigating, using evidence and communicating conclusions and the four social studies disciplines of civics, economics, geography and history and the standards therein.

US History - 11th Grade
This U. S. History course explores events, movements and ideas from 1877 to the present. History is the study of past events, often including an explanation of their causes. Students need to understand their historical roots and those of others and how past events have shaped their world. In developing these insights, students must know what life was like in the past and how things change and develop over time. Reconstructing and interpreting historical events provides a needed perspective in addressing the past, the present and the future.

US History Honors - 11th Grade
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 and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. The course also provides eight themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures. College credit is earned with a qualifying score on an AP exam.

World History - 10th Grade
This World History course engages students in historical thinking focused on the Pre-Modern era to the present, from 1300 to the present. History is the study of past events, often including an explanation of their causes. Students need to understand their historical roots and those of others and how past events have shaped their world. In developing these insights, students must know what life was like in the past and how things change and develop over time. Reconstructing and interpreting historical events provides a needed perspective in addressing the past, the present and the future.

ARTS & HUMANITIES DEPARTMENT

Band - 9th-12th Grades
Courses in General Band are designed to promote students' technique for playing brass, woodwind and percussion instruments, and cover a variety of band literature styles (e.g., Concert, Marching, Orchestral and Modern) primarily for performances and also include experiences in creating, responding and connecting to music. These courses teach students the appropriate care, handling and maintenance of musical instruments. Band courses may be offered on multiple skill levels to accommodate student proficiency. General Band courses may include marching activities for a portion of the year. This state course code can be repeated for students that take multiple years of this course.

Choir - 9th - 12th Grades
Students develop vocal skills in the context of a large choral ensemble as a means to study and perform a variety of styles. These courses are designed to develop students' vocal techniques and their ability to sing parts. Formal and informal performances are included as part of the instructional program as well as experiences in creating, responding and connecting to music. Courses are offered on multiple levels to accommodate proficiency.

Ceramics - 10th - 12th Grades
Ceramics/Pottery courses engage students in learning experiences that encompasses the historical and cultural context of ceramics, critiquing their own work and the work of others, aesthetic inquiry, and creative production. They develop knowledge of ceramic techniques and processes with an emphasis on creative design and craftsmanship. Experience includes, but is not limited to, clay modeling, hand building, coil building, casting and throwing on the potter's wheel. Students develop a working knowledge of kiln firing and glazing techniques. Students balance experimentation and safety, freedom and responsibility while developing and creating artworks.

Comprehensive Art I 9th - 12th Grades
Students explore an art form, obtaining knowledge in that form to plan and create individual works of art based on such knowledge, while following and breaking from traditional conventions. Students examine the language, materials, media, and processes of that particular art form and the fundamental processes of artistic expression supporting a work. Advanced instruction encourages students to develop their own artistic styles. Although Comprehensive Visual Arts courses focus on creation, inclusion of the study and analysis of major artists, art movements, and styles is included. In completing this course, students consider various techniques, methods, venues, and criteria for analyzing and selecting their art for preservation and presentation, including evolving technologies when preparing and refining artwork for display.

Drawing/Painting 10th - 12th Grades
Students focus on the blend and relationships that occur between drawing and painting. Attention is given to two-dimensional work and utilizes one or more mediums, such as pen-and-ink, pencil, chalk, watercolor, tempera, oils, and acrylics. Students extend and refine knowledge in the creative process to visually communicate personal intent. Advanced students extend and refine knowledge in the creative process. They are encouraged to develop their own artistic styles. Students focus on making meaning by investigating and reflecting their awareness of their perceptions, knowledge, and experiences of life. The course may emphasize either drawing or painting or combine both.

Musical Theatre 9th - 12th Grades
Students experience various aspects of musical theatre, including auditioning, singing, acting, and dancing. They review the history and evolution of musical theatre, its literature and artists, and styles of composition and vocal presentation. Students work collaboratively on performances, including solo, duet, and ensemble work. These courses may also provide a discussion of career and post-secondary placement opportunities.

ARTS & HUMANITIES DEPARTMENT

Sculpture 10th - 12th Grades
Sculpture courses promote creative expression through three-dimensional works. Students explore representational and abstract sculpture through subtractive (carving), additive (modeling), and assemblage techniques in one or more media. They produce representational and abstract sculptures that communicate personal ideas and messages through the application of the fundamentals of artistic expression while incorporating elements of art and principles of design. A study of historical and contemporary sculpture and sculptors from a worldwide perspective, and instruction and practice in the critique process are addressed.

HEALTH & PHYSICAL EDUCATION DEPARTMENT

Advanced Physical Education/Weightlifting - 11th - 12th Grades
This course is designed to be an extension of Physical Education I to provide students with the advanced skills, knowledge, attitude and confidence to be active for a lifetime. This state course code can be repeated for students that take multiple years of this course.

Health (0.5 Credit) 9th - 12th Grades
This course is designed to give students the opportunity to learn through a comprehensive sequentially planned Health Education program in accordance with the Kentucky Academic Standards for High School Health Education. The emphasis of this course is to teach students the ability to access, understand, appraise, apply and advocate for health information and services in order to maintain or enhance one's own health and the health of others.

Physical Education (0.5 Credit) 9th - 12th Grades
This course is designed to give students the opportunity to learn through a comprehensive sequentially planned Physical Education program in accordance with the Kentucky Academic Standards for High School (9th-12th Grade) Physical Education. The emphasis of this course is to provide students with the skills, knowledge, attitude and confidence to be active for a lifetime. Students will have the opportunity to develop skills in fitness/conditioning activities, individual/team sports and recreational activities. Students will learn how lifetime physical activity contributes to optimal physical, mental, emotional and social health.

AGRICULTURE DEPARTMENT

Agricultural Education Co-op - 12th Grade Only
Cooperative Education for CTE courses indicated within the KY Department of Education provide supervised work site experience related to the student's identified career major. Students who participate receive a salary for these experiences, in accordance with local, state and federal minimum wage requirements.

Agriculture Employability Skills - 10th - 12th Grades
Agriculture Employability Skills provides opportunities to develop skills in: job searching, preparing resumes, writing letters of application, job interview, attitude, communicating effectively, human relations and accepting responsibilities. Leadership development will be provided through the National FFA Organization. Each student will be expected to have a supervised agricultural experience program.

Agricultural Education Internship - 11th - 12th Grades
Internship for CTE Courses provide supervised work-site experience for high school students who have completed courses leading to a career pathway. Internship experiences consist of a combination of classroom instruction and field experiences. Students receiving pay for intern experience are those participating in an experience that is a semester or longer and have an established employee-employer relationship. A non-paid internship affects those students who participate on a short term basis.

Animal Science - 10th - 12th Grades (Prerequisite: Principles of Agriculture)
Animal Science 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 the National FFA Organization. Each student will be expected to have a supervised agricultural experience program.

Floral Design - 10th - 12th Grades (Prerequisite: Principles of Agriculture)
Floriculture and Floral Design provides instruction to develop floral design techniques using silk, dried, and fresh flowers. Students will learn operation and management techniques of a floral business as well as identification, production, and cultural maintenance practices of plants used in floral design and interior landscaping. Leadership development will be provided through the National FFA Organization. Each student will be expected to have a supervised agricultural experience program.

Greenhouse Technology - 10th - 12th Grades (Prerequisite: Principles of Agriculture)
Greenhouse Technology provides instruction in greenhouse structures and greenhouse environment regulations. Plant growth and development and propagation are included as well as production and maintenance of bedding and container produced plants. Fundamental principles of vegetable production and commercial production of vegetable crops as well as marketing of horticulture products may be included. Leadership development will be provided through the National FFA Organization. Each student will be expected to have a supervised agricultural experience program.

Introduction to Greenhouse - 10th - 12th Grades (Prerequisite: Principles of Agriculture)
Introduction to Greenhouse and Crop Production develops basic scientific knowledge and skills pertaining to management of soil and its effects on human and animal food and fiber production, the environment, and meeting basic needs of life. The relationship of soil to plant growth and horticulture will be emphasized. Plant anatomy, reproduction, growth, health, and current biotechnological advances will be included. Leadership development will be provided through the National FFA Organization. Each student will be expected to have a supervised agricultural experience program.

AGRICULTURE DEPARTMENT

Principles of Agriculture - 9th-10th Grades
This course provides instruction in the foundations of various segments of the agricultural industry. Agricultural career opportunities will be emphasized. Animal science, plant and land science, and agricultural mechanics skills will be the focus of the curriculum. The selection and planning of a supervised agricultural experience program and related record keeping will be presented. Leadership development will be provided through the National FFA Organization. Students will receive personal guidance and counseling with preparatory instructional program selection.

Small Animal Technology - 10th - 12th Grades (Prerequisite: Principles of Agriculture)
This course develops scientific knowledge, management practices, and marketing strategies in small and specialty animal technology. The curriculum includes identification, anatomy, physiology, nutrition, health, selection, and care of small animals. Species addressed typically include dogs, cats, rabbits, companion birds, ostriches, emus, tropical fish, and fur bearers. Content will be enhanced with appropriate applied scientific laboratory activities. Leadership development will be provided through the National FFA Organization. Each student will be expected to have a supervised agricultural experience program.

Veterinary Science - 10th - 12th Grades (Prerequisite: Principles of Agriculture)
Veterinary science topics include safety, sanitation, anatomy and physiology, clinical exams, hospital procedures, parasitology, posology, laboratory techniques, nutrition, disease, office management, and animal management. Careers are also explored. Leadership development will be provided through the National FFA Organization. Each student will be expected to have an agricultural experience program.

Wildlife Resources - 10th - 12th Grades (Prerequisite: Principles of Agriculture)
Students develop an awareness of wildlife industry resources. This course includes: a study of ecology and ecosystems, wildlife habitat, population dynamics, management techniques that deal with wildlife in all areas, and the regulations that affect the wildlife industry. Content may be enhanced with appropriate applied scientific laboratory activities. Leadership development will be provided through the National FFA Organization. Each student will be expected to have a supervised agricultural experience program.

ALLIED HEALTH DEPARTMENT

Acute Care Basic Skills - 11th - 12th Grades (Prerequisite: Principles of Health Science)
Introduces students to basic health care skills. Prepares individuals to perform routine nursing-related services to patients in acute care settings under the training and supervision of an approved registered nurse or licensed practical nurse. Certification is available upon successful completion of National Health Career Association (NHA) Patient Care Technician exam. Prepares the student for entry-level health care positions in an acute care setting.

Allied Health Core Skills - 11th - 12th Grades (Prerequisite: Principles of Health Science)
Allied Health Core Skills is designed to provide knowledge, concepts and psychomotor skills necessary for gainful employment as an entry-level health care worker. Assisting students in selecting a career major, classroom instruction and educational objectives are combined with learning experiences and observations and clinical rotations. This course is designed for students not enrolled in the Medicaid Nurse Aide program and who have completed Principles of Health Science and Emergency Procedures.

Body Structures and Functions - 10th - 12th Grades (Prerequisite: Principles of Health Science)
This course is designed to provide knowledge of the structure and function of the human body with an emphasis on normalcy. The interactions of all body systems in maintaining homeostasis will promote an understanding of the basic human needs necessary for health maintenance. Academic knowledge from life science core content as it relates to the human body (including anatomy and physiology) are included. Laboratory activities should be a part of the course when appropriate.

Co-op Allied Health - 12th Grade Only
Cooperative Education provides supervised on-the-job work experience related to the student's educational objectives. Students participating in the Cooperative Education program receive compensation for their work. Work-based learning is designed to complement classroom instruction. Students will be required to follow program and agency requirements for attendance and health screening. These may include but are not limited to drug screens, TB (tuberculin) skin tests, and immunization certificates.

Co-op Patient Care Technician - 12th Grade Only
Cooperative Education provides supervised on-the-job work experience related to the student's educational objectives. Students participating in the Cooperative Education program receive compensation for their work. Work-based learning is designed to complement classroom instruction. Students will be required to follow program and agency requirements for attendance and health screening. These may include but are not limited to drug screens, TB (tuberculin) skin tests, and immunization certificates.

Emergency Procedures - 11th - 12th Grades (Prerequisite: Principles of Health Science)
This course is intended to combine all existing courses in the Health Science Cluster to include foundational emergency skills for all Health Science Career Pathway students. This course will include certifications in: Cardiopulmonary Resuscitation for the Healthcare Provider; AED; bloodborne pathogen; first aid; and emergency care as outlined by an approved first aid/CPR/Bloodborne Pathogen certifying agency as put forth by the American Heart Association, National Safety Council or American Red Cross.

Internship Allied Health - 11th - 12th Grades
The practicum provides supervised on-the-job work experience related to the students' education objectives. Students participating in the practicum do not receive compensation.

ALLIED HEALTH DEPARTMENT

Introduction to Public Health 9th - 12th Grades
This course explores population health, health equity, and of course, the public health enterprise which requires a collaborative approach across numerous disciplines, fields, and industries. This course will help students learn to critically think about and explore what public health is really about, along with its key concepts, challenges, and solutions.

Internship Patient Care Technician - 11th - 12th Grades
The internship provides supervised on-the-job work experience related to the students' education objectives. Work-based learning is designed to complement classroom instruction. Students will be required to follow program and agency requirements for attendance and health screenings. These may include but are not limited to drug screens, TB (tuberculin) skin tests, and immunization certificates.

Medical Terminology - 11th - 12th Grades (Prerequisite: Principles of Health Science)
An intense study of the medical language used in all health career major areas. Pronunciation, spelling and application rules of medical terminology are included.

Principles of Health Science - 9th - 10th Grades
Orientation and foundation for occupations and functions across the health care cluster. Includes broad health care core standards which specify the knowledge and skills that the vast majority of healthcare workers should have. Prerequisite to additional courses in the Health Science Program.

BUSINESS AND MARKETING DEPARTMENT

Business Education Co-op - 12th Grade Only
Cooperative Education for CTE (Career and Technical Education) courses provides supervised work site experience related to the student's identified career pathway. A student must be enrolled in an approved pathway course during the same school year that the co-op experience is completed or have already completed the pathway the previous year. Students who participate receive a salary for these experiences in accordance with local, state, and federal minimum wage requirements according to the Work Based Learning Manual. Leadership development will be provided through DECA and/or FBLA.

Business Education Internship - 11th - 12th Grades
Internship for CTE (Career and Technical Education) courses provides supervised work-site experience for high school students who are enrolled in a pathway course associated with their identified career pathway. Internship experiences consist of a combination of classroom instruction and field experiences. A student receiving pay for an intern experience is one who is participating in an experience that lasts a semester or longer and has an established employee employer relationship. A non-paid internship affects those students who participate on a short-term basis (semester or less). All information referenced to the Work Based Learning Manual. Leadership development will be provided through DECA and/or FBLA.

Business and Marketing Essentials - 9th - 12th Grades
Business and Marketing Essentials is an introductory business and marketing course 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. Leadership will be provided through DECA and/or FBLA.

Digital Literacy - 9th - 12th Grades
Students will use computer and application software including word processing, presentations, database, spreadsheets, internet, and email to prepare elementary documents and reports. The impact of computers on society and ethical issues are presented. Leadership development will be provided through DECA and/or FBLA.

Marketing Applications - 10th - 12th Grades (Prerequisite: Marketing Principles)
Marketing Applications furthers student understanding and skills in the various marketing functions. Students discuss the nature of marketing plans, examine factors impacting pricing decisions, identify the effects of product life cycles on marketing, and determine elements of the promotional mix. Effective communication skills are also stressed throughout the course. Current technology will be used to acquire information and to complete the projects. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. Marketing Applications--Standard is targeted at typical students as well as ESL students and other students with special needs. Leadership development will be provided through DECA and/or FBLA.

BUSINESS AND MARKETING DEPARTMENT

Marketing Education Co-op - 12th Grade Only
Cooperative Education for CTE (Career and Technical Education) courses provides supervised work site experience related to the student's identified career pathway. A student must be enrolled in an approved pathway course during the same school year that the co-op experience is completed, or have already completed the pathway the previous year. Students who participate receive a salary for these experiences, in accordance with local, state and federal minimum wage requirements according to the Work Based Learning Manual. Leadership development will be provided through DECA and/or FBLA.

Marketing Education Internship - 11th - 12th Grades
Internship for CTE (Career and Technical Education) courses provides supervised work-site experience for high school students who are enrolled in a pathway course associated with their identified career pathway. Internship experiences consist of a combination of classroom instruction and field experiences. A student receiving pay for an intern experience is one who is participating in an experience that lasts a semester or longer and has an established employee employer relationship. A non-paid internship affects those students who participate on a short term basis (semester or less). All information referenced to the Work Based Learning Manual. Leadership development will be provided through DECA and/or FBLA.

Marketing Principles 9th - 12th Grades
Marketing Principles introduces students to the dynamic processes and activities in marketing. The course develops student understanding and skills in the functional areas of marketing, as well as business law, communication skills, customer relations, economics, human resources management, and operations. Current technology will be used to acquire information and to complete activities. Throughout the course, students are presented ethical dilemmas and problem-solving situations for which they must apply academic and critical-thinking skills. Leadership development will be provided through DECA and/or FBLA.

Multimedia Publishing - 10th - 12th Grades (Prerequisite: Digital Literacy)
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 DECA and/or FBLA.

Personal Finance - 9th - 12th Grades
The goal of the Personal Finance course is to help students to become financially responsible, conscientious members of society. To that end, this course develops student understanding and skills in such areas as money management, budgeting, financial goal attainment, the wise use of credit, insurance, investments, and consumer rights and responsibilities. Throughout the course, students also examine contemporary, real-world ethical dilemmas that individuals commonly encounter when managing their personal finances. Leadership development will be provided through DECA and/or FBLA.

CONSTRUCTION DEPARTMENT

Carpentry Co-op - 12th Grade Only
Cooperative Education for CTE courses provide supervised work site experience related to the student's identified career pathway. A student must be enrolled in an approved capstone course during the same school year that the co-op experience is completed. Students who participate receive a salary for these experiences, in accordance with local, state and federal minimum wage requirements.

Ceiling and Roof Framing - 10th - 12th Grades (Prerequisite: Introduction to Construction)
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.

Exterior and Interior Finish - 10th - 12th Grades (Prerequisite: Introduction to Construction)
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, 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 demonstrate the skills associated with the exterior finishing of a house.

Floor and Wall Framing - 10th - 12th Grades (Prerequisite: Introduction to Construction)
The student will practice floor framing, layout, and construction of floor frames. Cutting and installing floor and wall framing members according to plans and specifications will also be practiced.

Introduction to Construction Technology - 9th - 10th Grades
This course is the introduction to the construction industry. The class will emphasize safe and proper methods of operating hand tools, portable power tools, and stationary power tools in the construction industry. Content in the course should be aligned with the pathway being offered: Commercial and/or Residential.

EDUCATION & TRAINING DEPARTMENT

Collaborative Clinical Experience - 11th - 12th Grades
In this course, students will refine the required knowledge and skills to be an effective educator while also practicing the dispositions necessary for the educational profession. Specifically, students will gain an understanding of how teachers lead through individual and collaborative growth and reflection. Students participate in clinical experiences. This is a student teaching experience where students should spend almost all their time in a classroom learning setting appropriate to their intended teaching discipline.

Principles of Career & Technical Education - 10th - 12th Grades (Prerequisite: The Learning Community)
This course is designed to provide a general overview of career and technical education including program areas, components, philosophy and current trends and issues. Students will examine a variety of topics including: history of CTE, work based learning, career and technical student organizations, advisory councils, professional organizations as well as the influence of legislation on CTE.

The Learner-Centered Classroom - 10th - 12th Grades (Prerequisite: The Learning Community)
This course will develop rising educators' awareness of their funds of knowledge, as well as their personal biases that develop from their life experiences. Using research-based methods, rising educators will develop methods to impact student equity based on culturally competent models as well as growth mindset methods.

The Learning Community - 9th - 10th Grades
In this course, The Learning Community, students develop an understanding of the various responsibilities and systems involved in the K-12 educational system. Specifically, students will acquire the knowledge of education through the perspectives of classroom, school, district, state, and federal roles.

The Professional Educator - 10th - 12th Grades (Prerequisite: The Learning Community)
In this course, The Professional Educator, students will develop an understanding of how educators advance their profession within the classroom. Specifically, students will gain both the knowledge and skills to plan, deliver, and reflect on the process of teaching and learning.

FAMILY & CONSUMER SCIENCES DEPARTMENT

Child Development Services I - 11th - 12th Grades (Prerequisite: FCS and Early Lifespan Development)
This course provides training for entry-level positions in day care centers, nurseries, kindergartens, and private homes. Students study careers in child development, child development and guidance, children's health and well-being in group care, value of play, teaching strategies and management, and curriculum development. The subject content is reinforced with work experience in a variety of child care establishments.

Child Development Services II - 11th - 12th Grades (Prerequisite: Child Development Services I)
Preparation for developing and managing effective child care programs and facilities. Includes instruction in the management of financial operations; selecting and developing facilities; selecting staff and staffing patterns; providing for staff development opportunities; developing a total program for children and working with parents, community organizations and others concerned with children.

Co-op Early Childhood Education - 12th Grade Only
Cooperative Education for CTE courses provide supervised work site experience related to the student's identified career pathway. A student must be enrolled in an approved capstone course during the same school year that the co-op experience is completed. Students who participate receive a salary for these experiences, in accordance with local, state and federal minimum wage requirements.

Early Lifespan Development - 10th - 12th Grades (Prerequisite: FCS)
This course addresses the concepts related to understanding the areas and stages of human growth and development, recognizing effects of heredity and environment on human growth and development, meeting the needs of exceptional children, promoting optimum growth and development in the infancy, toddler, and preschool stages. Careers in child/human development are explored. Leadership development will be provided through the Family, Career and Community Leaders of America.

FCS Essentials - 9th - 10th Grades
Introductory Course; meal preparation and nutrition; home environment; child development; consumer education; family living; family health; careers; enabling skills and processes.

Internship Early Childhood Education - 11th - 12th Grades
Internship for CTE Courses provide supervised work-site experience for high school students who have completed courses leading to a career pathway. Internship experiences consist of a combination of classroom instruction and field experiences. Students receiving pay for intern experience are those participating in an experience that is a semester or longer and have an established employee-employer relationship. A non-paid internship affects those students who participate on a short term basis.

Principles of Teaching (PALS) - 11th - 12th Grades (Teacher Approval Required)
This course provides opportunities for students with an interest in teaching to develop skills, strategies, and techniques used for instruction at various grade levels for a diverse population of student learners. Instruction addresses the principles and procedures for promoting the physical, emotional, social, and intellectual development of children, adolescents, and developmentally appropriate practices in educational settings. Students will gain work experience in classrooms with certified teachers as part of their course work. Other components include the development of a four-year post-secondary plan, teacher evaluation system requirements, Kentucky Code of Ethics, and educational pedagogy. Leadership experiences will be provided through various extra and co-curricular student organizations.

WELDING DEPARTMENT

Basic Welding (0.5 Credit) - 9th - 10th Grades
This class introduces the student to the art and science of welding. Students learn to prepare the equipment and to perform basic welding operations.

Blueprint Reading for Welding (0.5 Credit) - 9th - 10th Grades
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.

Co-op Welding - 12th Grade Only
Cooperative Education provides supervised on-the-job work experience related to the student's educational objectives. Students participating in the Cooperative Educational program receive compensation for their work. This course can be repeated.

Internship Welding -11th - 12th Grades
Internships for CTE courses provide supervised work-site experience for high school students who are enrolled in a capstone course associated with their identified career pathway. Internship experiences consist of a combination of classroom instruction and field experiences. A student receiving pay for an intern experience is one who is participating in an experience that lasts a semester or longer and has an established employee-employer relationship. A non-paid internship affects those students who participate on a short-term basis (semester or less).

Gas Metal Arc Welding and Lab - 10th - 12th Grades (Prerequisite: Basic Welding/Blueprint Reading)
This course is designed to teach students the 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.

GMAW Groove Lab - 10th - 12th Grades (Prerequisite: Basic Welding/Blueprint Reading)
Teaches the method of operation and application of the Gas Metal Arc Welding process for welding groove welds in both ferrous and non-ferrous plate in all positions using both short circuiting and spray transfer where appropriate.

GTAW - Gas Tungsten Arc Welding - 10th - 12th Grades (Prerequisite: Basic Welding/Blueprint Reading)
This course is designed to teach students the identification, inspection, and maintenance of GTAW machines; identification, selection and storage of GTAW electrodes; principles of GTAW; the effects of variables on the GTAW process; and metallurgy. This course also teaches the theory and application of Plasma Arc Cutting.

Shielded Metal Arc Welding (SMAW) - 10th - 12th Grades (Prerequisite: Basic Welding/Blueprint Reading)
This course provides experiences in which students acquire the manipulative skills to do groove welds in all positions with backing.

SMAW Groove Welds with Backing Lab - 10th - 12th Grades (Prerequisite: Basic Welding/Blueprint Reading)
Provides experiences in which students acquire the manipulative skills to do groove welds in all positions with backing.

Grading Scale

Students will receive printed progress reports in the middle of each quarter. Report cards will be printed at the end of each quarter/semester. Students earn letter grades each nine weeks based on this scale:

Number Grade	Letter Grade	Quality Point
90-100	A	4
80-89	B	3
70-79	C	2
60-69	D	1
59 >	F	0

All classes at LCHS, except college credit classes, are on a cumulative grade schedule. In other words, class credit and grades are not awarded for classes until the end of the school year. Any grade throughout the school year may change until the final exam is taken and credit is awarded. Progress reports (report cards) will be given out at nine week intervals. These reports are to be taken home and shown to parents/guardians. Any need for a parent conference may be arranged by calling the school. Progress reports may be mailed home more frequently by parent request to the guidance office. Parents may also check either students' progress at any time with Infinite Campus Parent Portal.