



**THE MILLARD SCHOOL**  
CREATING A WORLD OF WONDER

**2023-  
2024**

**HIGH SCHOOL COURSE DIRECTORY**

**SCHOOL  
YEAR**



**DISCOVER  
YOUR  
GOD-GIVEN  
DESTINY!**



**Academics/Career**



**FAITH**



**Extra/Co-curricular**

**332 Riverbend Rd Louisa, KY 41230**

**(270)574-3138**

# The Millard School Destiny Model

What do we mean when we say God-given Destiny?

**God-given destiny: God's path for our lives.**



- At TMS we believe that every person has a God-given destiny. Our job as educators is to help our students discover their destiny and to cultivate it so they are prepared to live out their destiny.
- We know that God has a plan for each and every student and formed them in their mothers womb.
- We value parents in this process as well and know that you are in charge of your child's education. We are honored to join you in this process.
- We offer 16 career pathways in our TMS Destiny Model of Education but we are open to creating even more paths if a student's destiny doesn't fit into those 16. Our course catalog is a living document. We are fully committed to every student reaching their full potential and we will adapt to meet the specific needs of your student's God-given destiny.
- The course catalog is meant to guide us as we not only discover but live out your child's God-given destiny together.

"You make known to me the path of life; you will fill me with joy in your presence, with eternal pleasure at your right hand."

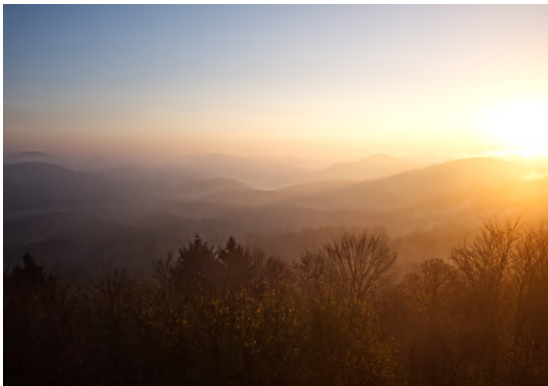
Psalms 16:11 NIV

The Millard School

What is a world of Wonder?

**Wonder is a feeling of great surprise and admiration caused by seeing or experiencing something that is strange and new**

- Have you ever stood at the top of a mountain and watched the sun rise? Have you been camping away from the city lights and got to stare into the immenseness that is the universe? If you have, you have probably felt an overwhelming sense of awe and wonder. At TMS we want our students to experience a form of that daily as part of their education.
- Wonder reminds us that we don't have all the answers but also draws us in and sparks our imagination. It's what inspires us to learn new things. Wonder is what allows us to open up to the process of learning new things.
- We understand that we serve an amazing and wonderful God.
- As human beings we are drawn to learn about our Creator and His creation.
- Every class is biblically integrated. We start each day with worship and prayer, and we want our students to not only learn from textbooks but experience God's love, hope, joy, and peace daily.



"You make known to me the path of life; you will fill me with joy in your presence, with eternal pleasure at your right hand."  
Psalms 16:11 NIV

## Comprehensive support: **Showing God's Love, Hope, Joy, and Peace**

- At TMS we want every student to experience God's love, hope, joy, and peace and know they are eternal and always available to them through Jesus.
- Today's teens face a variety of challenges, at TMS we are meeting these needs head on as we have comprehensive professional services for our students.
- TMS has highly trained services staff including counselors, registered nurse, speech therapist, and an occupational therapist.
- Our staff is able to pray with students and give them encouragement through the scriptures as they navigate the problems they encounter in this world.
- What sets TMS apart from other schools is that we create an atmosphere that is filled with the love of God. We teach our students that God loves them and that a personal relationship with Jesus is the key to life.



"You make known to me the path of life; you will fill me with joy in your presence, with eternal pleasure at your right hand."  
Psalms 16:11 NIV

# Comparison of High School Models

## Traditional Jr High/High School Model

- Student schedule based upon required core content classes first
- Students spend each day in brick and mortar building with little engagement in the real world; select few able to attend dual credit classes
- Little or no project based learning
- Appears to have face to face instruction but majority of time spent in front of computer on virtual learning while in the actual classroom
- Limited access to academic and career counseling due to large number of student population
- No community service or school service experiences required or encouraged systematically
- No acceleration in coursework unless identified as gifted/talented

## Same

- High School Diploma issued by KY Board of Education certified school; KY graduation requirements will be met
- College entrance assessments, such as ACT provided at no cost to students in 11th grade
- Dual Credit courses offered; Dual Credit scholarships can be utilized
- KEES Money available for post-secondary courses

## TMS Destiny Model

- Student schedule based upon student interests, skills, and future career pathway while including required core content classes but tailored to pathway
- Student schedule includes work-based learning experiences out in the career field of interest; with junior and senior year primarily consisting of internships and course work centered on career pathway
- Project-based learning is culmination of high school experience with senior capstone
- Virtual learning utilized to enhance work experience and actual hands-on experience in the field of interests
- Student schedule includes daily academic and career counseling with a guidance counselor to create a Destiny plan, choose a career pathway, explore college and future training opportunities and monitor work-based learning experiences in the field.
- Monthly Christian missions, in addition to required community service hours and school service hours in alignment with Destiny plan.
- All students have the opportunity to accelerate coursework as it identified in Destiny plan



# Dual Credit/ Advanced Placement® Classes

## Dual Credit

- Dual Credit courses earn both high school credit toward graduation from TMS and college credit which may be transferred to the student's chosen college upon high school graduation.
- Tuition for dual credit courses is charged by and payable directly to the providing college/university and is the responsibility of the student's family, in addition to TMS tuition. TMS does not offer a prorated tuition discount to subsidize Dual Credit enrollment.
- The Kentucky Higher Education Assistance Authority (KHEAA) offers a non-need-, non-merit-based Dual Credit Scholarship. Students are responsible for applying for the DCS through their myKHEAA account. The DCS covers up to two (2) dual credit courses (6 college credit hours/1 HS credit) at a maximum of \$72/college credit hour. Families are responsible for any dual credit tuition balance remaining after the DCS is applied.
- To be eligible for a DCS/WKDC, a student must be a Kentucky resident, be enrolled in a Kentucky public high school, be enrolled in an eligible dual credit course at a participating Kentucky postsecondary institution by meeting all requirements for that course, and complete a 30-minute college success counseling session each year of scholarship eligibility.
- Once a DCS is awarded for a dual credit course, the course shall count toward the student's course limit, even if the student subsequently withdraws or fails the course. DCS funds may not be used for remedial or developmental coursework, or to repeat failed or withdrawn dual credit coursework.

## Advanced Placement®

- AP® classes are a cooperative effort between high schools, curriculum platforms, and the College Board to expose high school students to college level material. At the conclusion of an AP® class, students may opt (fee may be required) to take an exam over the material to show that they have mastered the course content. If a student scores at or above a predetermined level, most colleges will grant that student college credit. Awarding of AP credit is subject to individual colleges/universities. For more information on college AP equivalent credits, please visit the following website: <https://apstudents.collegeboard.org/getting-credit-placement/search-policies> For more information about the AP program or the ordering process, visit <https://ap.collegeboard.org/>

# Graduation Requirements



Kentucky Minimum Graduation Requirements for Students Entering High School in 2019-2020 and Thereafter

[704 KAR 3:305](#), Kentucky's new minimum high school graduation requirements, became effective on April 5, 2019. However, [Senate Bill 158](#) (2020) requires changes be made to state and local graduation requirements for students who entered high school in the 2019-2020 school year and thereafter. Please see the [Senate Bill 158 Implications for Minimum High School Graduation Requirements document](#) for specific changes.

	<u>4 English Credits</u>	<u>4 Math Credits</u>	<u>3 Social Studies Credits</u>	<u>3 Science Credits</u>	<u>Other Credits</u>
Foundational	English I English II	Algebra I Geometry	Social Studies Social Studies	Lab-based Science Lab-based Science	½ Health; ½ PE Visual/Performing Arts
Personalized	2 Additional English credits aligned with the ILP and covering the remaining <a href="#">KAS for Reading &amp; Writing</a>  Additional course options aligned to the <a href="#">KAS for Reading &amp; Writing</a> could include, but are not limited to: English III, English IV, AP Language, AP Literature, dual credit English, etc.	2 Additional Math credits aligned with the ILP and covering the remaining <a href="#">KAS for Mathematics</a>  Additional course options aligned to the <a href="#">KAS for Mathematics</a> could include, but are not limited to: Algebra II, Precalculus, College Algebra, AP Calculus, dual credit math, dual credit CTE math, etc.	Social Studies aligned with the ILP and covering the <a href="#">KAS for Social Studies</a>  Additional course options aligned to the <a href="#">KAS for Social Studies</a> could include, but are not limited to: Social Studies 1, 2, 3, Geography/AP Human Geo, World History (or AP), US History (or AP), Economics, etc.	Science aligned with ILP and covering the <a href="#">KAS for Science</a>  Additional course options aligned to the <a href="#">KAS for Science</a> could include, but are not limited to: Chemistry (or AP), Physics (or AP), Biology (or AP), CSI Forensics, dual credit science, etc.	6 credits aligned with ILP and covering the related content area KAS.  Additional course options aligned to the <a href="#">KAS for Visual and Performing Arts</a> could include, but are not limited to: Chorus 1, Orchestra 1, Visual Arts 1, Theatre 1, Band 1, etc.

All required courses must be aligned to the Kentucky Academic Standards. These are state minimum standards and additional requirements may vary by district.

#### Other Graduation Requirements:

- Pass state-mandated civics test
- (Beginning in 2020-2021) Successfully complete a course or program in financial literacy
- Receive instruction in essential workplace ethics
- Demonstrate competency in technology

#### Other Considerations:

- Development of Individual Learning Plan (grades 6-12)
- CPR Training in Health, PE or JROTC course

Revised Jan. 26, 2023

### Grade Placement

#### 9th Grade-

- Successful completion of 8th grade.

#### 10th Grade-

- Five units of credit, three of which must be in a required course.

#### 11th Grade-

- Eleven units of credit, six of which must be in required courses.

#### 12th Grade-

- Sixteen units of credit, nine of which must be in required courses.

In order to graduate from The Millard School, a student must earn a total of 22 credits. TMS graduation requirements are aligned with the Kentucky Pre-College Curriculum (PCC) guidelines. Students will also be required to complete community and school service hours and Destiny Plan Portfolio.





# Community & School Service Hour Requirements

\*In addition to KY Minimum Graduation Requirements

## Community and School Service Hours

9th Grade	5 hours (School Service)	
10th Grade	10 hours (Community Service)	
11th Grade	15 hours (Community Service)	
12th Grade	20 hours (Community Service)	Total: 50 hours



**Community Service Hours will be performed outside of TMS at local businesses/agencies and School Service Hours will be completed at TMS.**





# Work Based Learning

**Students will be participating in work-based learning experiences off-site. Work based learning allows students to go to work sites on authorized days.**

**Shadowing:**

A form of work-based learning that allows students to learn through observation by spending time with an individual from a chosen occupation.

**Mentoring:**

A form of work-based learning that involves business and community volunteers developing one-to-one relationships with students to build an understanding of careers and work ethics that goes beyond the formal obligations of a teaching or supervisory role.

**Entrepreneurship:**

Allows students to develop a deeper understanding of economic principles and to apply classroom learning by organizing and operating a business enterprise

**School-Based Enterprise:**

A school-based enterprise (SBE) is a simulated or actual business conducted within a school setting.

**Internship:**

A student internship is a type of work-based learning that provides work experience in a particular occupation, often leading to course credit and/or compensation.

**Cooperative Education:**

A paid educational program consisting of in-school instruction combined with program related on-the-job work experience in a business or industrial establishment.

**Service Learning:**

A teaching and learning strategy that integrates meaningful community service with instruction and reflection to enrich the learning experience, teach civic responsibility, and strengthen communities.



# Work Based Learning Continuum

Grade Level	Career Awareness	Career Exploration	Career Preparation	College/Career Seeking & Advancement
Elementary	Interest Surveys, Classroom career activities, Career Day			
Middle	Career Interest Surveys, Skill Inventories, Classroom career activities, Career Day			
9 - 10	Career Interest Surveys, Guest Speakers, Worksite Tours (including virtual field trips), Informational Interviews, Personal Financial Literacy	Job Shadow (off site & virtual), Career Fair, Simulated Work-Based Learning Experiences		
10 - 11	Guest Speakers, Worksite Tours (including virtual field trips), Informational Interviews	Job Shadow (off site & virtual), Career Fair, Simulated Work-Based Learning Experiences		
11 - 12		Job Shadow (off site & virtual), Career Fair, Mock Interviews, College visits via Destiny Plan	College & Training Preparation Internship, Apprenticeship, Job-Seeking Training, Project Based Learning	College applications, Job applications, Job Training, Career management Training, Capstone - Senior Project Requirement



# English Language Arts

9th Grade Option	10th Grade Option	11th Grade Options	12th Grade Options
English I	English II	English III	English IV
		TMC ENG 101	TMC ENG 102
		AP English Language & Comp	AP English Literature & Comp
		Personalized to Destiny Plan	Personalized to Destiny Plan

**Total Credits Required: 4**

# Course Descriptions

## **English I**

**Grade: 9; Credit: 1**

**\*Required for Graduation**

The course is 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.

## **English II**

**Grade: 10; Credit: 1**

**\*Required for Graduation**

English II continues the refinement of students' skills in language arts with an emphasis on reading. Students read, respond, and interpret both fiction and non-fiction selections. Specific reading strategies help students improve their ability in making meaning from a variety of texts. Students review standard rules for spelling, punctuation, and usage as they continue their study of the writing process, reinforcing their writing skills by addressing a variety of audiences and purposes.

## **English III**

**Grade: 11; Credit: 1**

This course continues to develop students' competencies in reading, writing, and speaking; the primary focus will be composition, especially real-world writing: business, civic, and technical. This course is designed to teach students to develop reading and writing skills, and strategies crucial for navigating informational texts in the real world, career training, and the workplace. Reading, vocabulary, grammar, and writing are the four main components of this class. Content includes instruction in process writing (with particular emphasis on revision and editing), grammar, vocabulary, and professional inquiry and composing.

# Course Descriptions

## **English IV**

**Grade: 12; Credit: 1**

**This course offers continued refinement of students' abilities in language arts skills. Content includes appropriate experiences in reading and in oral and written composition, studying the historical, cultural, and aesthetic significance of world literature. Continuing to write for a variety of purposes (e.g., self and others), students attain confidence in handling this stage of the writing process. Attention to writing analytically about literature is given in this course. Language and mechanics concerns are dealt with in the context of student writing and publication. This course offers continued refinement of students' abilities in language arts skills. Content includes appropriate experiences in reading and in oral and written composition, studying the historical, cultural, and aesthetic significance of world literature. Continuing to write for a variety of purposes (e.g., self and others), students attain confidence in handling this stage of the writing process. Attention to writing analytically about literature is given in this course. Language and mechanics concerns are dealt with in the context of student writing and publication.**

## **Advanced Placement (AP) Language and Composition**

**Grade(s): 11 – 12; Credit: 1**

**Students explore a variety of textual forms, styles, and genres. By examining all texts through a rhetorical lens, students become skilled readers and analytical thinkers. Focusing specifically on language, purpose, and audience gives them a broad view of the effect of text and its cultural role. Students write expository and narrative texts to hone the effectiveness of their own use of language, and they develop varied, informed arguments through research. Throughout the course, students are evaluated with assessments specifically designed to prepare them for the content, form, and depth of the AP Exam.**

# Course Descriptions

## **Advanced Placement (AP) Literature and Composition**

**Grade(s): 11-12; Credit: 1**

AP English Literature and Composition immerses students in novels, plays, poems, and short stories from various periods. Students will read and write daily, using a variety of multimedia and interactive activities, interpretive writing assignments, and class discussions to assess and improve their skills and knowledge. The course places special emphasis on reading comprehension, structural and critical analysis of written works, literary vocabulary, and recognizing and understanding literary devices. The equivalent of an introductory college-level survey class, this course prepares students for the AP exam and for further study in creative writing, communications, journalism, literature, and composition.

## **Introduction to English**

**ENG 101; Credit: 1**

**\*Dual Credit – The Millard College (3 credit hours)**

This course will introduce students to the basic concepts of English, writing, grammar needed for success in the workplace.

# MILLARD



# Mathematics

9th Grade Options	10th Grade Options	11th Grade Options	12th Grade Options
Integrated Math	Integrated Math II	Geometry	Algebra II
Algebra I	Geometry	Algebra II	Technical Math
Geometry	Algebra II	Precalculus	TMC MAT 101
Algebra II	Precalculus	TMC MAT 101	Calculus (College or AP)
		Personalized to Destiny Plan	Personal Finance
			Personalized to Destiny Plan

**Total Credits Required: 4**

# Course Descriptions

## **Integrated Math I**

**Grade: 9; Credit: 1**

**This course is the first year of Integrated Mathematics pathway. The integrated approach to high school mathematics is typically seen internationally and consists of a sequence of three to four courses depending on school's curriculum; each course includes number, algebra, geometry, probability, and statistics and is no less rigorous than a traditional pathway: Algebra 1 and Geometry. Typically Integrated/Applied Mathematics 1 has more geometric concepts than a traditional Algebra 1 course. If the integrated series of Integrated 1 and Integrated 2 is used in place of the traditional series of Algebra 1 and Geometry and the integrated series of Integrated 1 and Integrated 2 collectively allows students the access and opportunity to learn all required high school Kentucky Academic Standards for Mathematics included in Algebra 1 and Geometry, then students who complete this series have met the high school graduation requirements of Algebra 1 and Geometry.**

## **Integrated Math II**

**Grade: 10; Credit: 1**

**This course is the second year of Integrated Mathematics. The integrated approach to high school mathematics is typically seen internationally and consists of a sequence of three to four courses depending on school's curriculum; each course includes number, algebra, geometry, probability and statistics and is no less rigorous than a traditional pathway: Algebra 1 and Geometry. Typically Integrated II has a blend of geometric and algebraic concepts along with probability. If the integrated series of Integrated 1 and Integrated 2 is used in place of the traditional series of Algebra 1 and Geometry and the integrated series of Integrated 1 and Integrated 2 collectively allows students the access and opportunity to learn all required high school Kentucky Academic Standards for Mathematics included in Algebra 1 and Geometry, then students who complete this series have met the high school graduation requirements of Algebra 1 and Geometry.**



# Course Descriptions

## Algebra I

**Grade: 9-10; Credit: 1**

This course is the study of high school Algebra 1 content. 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. 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 math courses.

## Geometry

**Grade: 9-11; Credit: 1**

This course is the study of high school Geometry content. 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 Descriptions

## **Algebra II**

**Grade: 9-11; Credit: 1**

This course is the study of high school Algebra II content. 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.

## **Technical Math**

**Grade: 11-12; Credit: 1**

Mathematical concepts from algebra, geometry, and trigonometry and applications relevant to these topics, beyond what was addressed in the student's foundational courses, are studied. Topics to be covered include unit conversions, variation, measurement of geometric figures, vectors, and solving right and oblique triangles using trigonometry. Emphasis is on applications in the various technologies.

## **Personal Finance**

**Grade: 11-12; Credit: 1**

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.



# Science

9th Grade Option	10th Grade Option	11th Grade Options	12th Grade Options
Integrated Science	Intro to Chemistry	Intro to Physics	
Biology	Chemistry	Physics	
AP Biology	Earth Science	AP Physics	
	AP Chemistry	AP Environmental Science	

**Total Credits Required: 3**

# Course Descriptions

## **Integrated Science**

**Grade: 9; Credit: 1**

This is a course that introduces students to a wide variety of sciences including Chemistry, Biology, Earth Science, and Physics to provide students with a foundation from a variety of areas that will carry over in the upcoming years. Furthermore, there is a strong focus on Earth Science which is the study of Earth and space. Earth Science is divided into four specific areas of study: Geology, Meteorology, Astronomy, and Oceanography.

## **Biology**

**Grade: 9; Credit: 1**

This course includes a study of living organisms and vital processes. Themes that will be covered in this course include scientific skills, ecology, biochemistry, cellular processes, genetics, evolution, classification of organisms, as well as plant and human body systems.

## **AP Biology**

**Grade: 9; Credit: 1**

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore topics like evolution, energetics, information storage and transfer, and system interactions.

## **Earth Science**

**Grade: 10; Credit: 1**

Earth Science is the most fundamental of the sciences, with the greatest number of applications to our lives and our world. Earth Science is a blend of many different sciences, including geology, meteorology, oceanography, and astronomy. Students with a basic understanding of earth processes and who have learned to think critically are ready to make intelligent decisions about scientific and environmental problems.

## **Chemistry**

**Grade: 10; Credit: 1**

Chemistry is the study of the structure and composition of matter that makes up living things and their environment. Chemistry also deals with the study of the changes of matter and the mechanisms by which changes occur. This course is recommended for college-bound students.

# Course Descriptions

## **Introduction to Chemistry with Earth/Space Science**

**Grade: 10-12; Credit: 1**

Students develop a conceptual understanding of Chemistry and Earth/Space Science, as outlined in the Kentucky Academic Standards for Science, using the science and engineering practices. They experience chemistry and Earth/space science concepts such as the structure of atoms, structure and properties of matter, chemical reactions, geochemical cycles, and formation and ongoing changes of the universe. The use of the science practices describes the behaviors students will engage in as they investigate the natural world. Students will learn these core ideas within these topics using 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.

## **AP Chemistry**

**Grade: 11-12; Credit: 1**

AP Chemistry is an introductory college-level chemistry course. Students cultivate their understanding of chemistry through inquiry-based lab investigations as they explore the four Big Ideas: scale, proportion, and quantity; structure and properties of substances; transformations; and energy.

## **Introduction to Physics with Earth/Space Science**

**Grade: 10-12; Credit: 1**

Students develop a conceptual understanding of physics and Earth/space science content, as outlined in the Kentucky Academic Standards for Science, using the science and engineering practices. They experience physics and Earth/space science concepts such as motions and forces, conservation of energy and the increase in disorder, interactions of energy and matter, and energy in the Earth system. Students will learn these core ideas using 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.

# Course Descriptions

## **Physics**

**Grade: 10-12; Credit: 1**

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 the increase in disorder, interactions of energy and matter. Students will learn these core ideas using 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.

## **AP Physics**

**Grade: 11-12; Credit: 1**

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: kinematics; dynamics; circular motion and gravitation; energy; momentum; simple harmonic motion; torque and rotational motion; electric charge and electric force; DC circuits; and mechanical waves and sound. College credit is earned with a qualifying score on an AP exam.



# Social Studies

9th Grade Option	10th Grade Option	11th Grade Options	12th Grade Options
Integrated Social Studies	World History	US History	
	AP World History	AP US History	

**Total Credits Required: 3**

# Course Descriptions

## **Integrated Social Studies**

**Grade: 9; Credit: 1**

**Integrated Social Studies is the study of citizenship responsibilities and government -- introduction; federal, state, and local government; organization and function. It also covers the study of United States voting procedures; court operations; local, state, and national lawmaking.**

## **World History**

**Grade: 10; Credit: 1**

**World History will utilize a chronological and a topical approach to learn the origins and the progression of civilization throughout our world. Students will review the beginning of civilization and follow this format up to the Renaissance, Reformation, and the Age of Reason. The remainder of the course will be devoted to a wide range of concepts, events, issues, and ideologies that have influenced our world both past and present. Students will be expected to demonstrate an understanding and appreciation for the vast cultural diversity that composes our world.**

## **AP World History**

**Grade: 10; Credit: 1**

**This course follows a curriculum developed by the College Board and prepares the students to take the Advanced Placement examination in World history for college credit. The expectations for students in this course will be above those of the regular curriculum and should only be accepted by those who are willing to meet them. The course will analyze events and concepts in World History from approximately 8,000 BCE to the present. Students will study the cultural, political-diplomatic, and socio-economic development of the European nations up to, and including current issues as decided by the instructor. Students are required to take the A.P. exam upon completion of this course.**



# Course Descriptions

## **AP World History**

**Grade: 10; Credit: 1**

**This course follows a curriculum developed by the College Board and prepares the students to take the Advanced Placement examination in World history for college credit. The expectations for students in this course will be above those of the regular curriculum and should only be accepted by those who are willing to meet them. The course will analyze events and concepts in World History from approximately 8,000 BCE to the present. Students will study the cultural, political-diplomatic, and socio-economic development of the European nations up to, and including current issues as decided by the instructor. Students are required to take the A.P. exam upon completion of this course.**

## **US History**

**Grade: 11; Credit: 1**

**This course will focus on the critical components that have influenced the development of the United States. These will include: the influence of geographic and economic factors, immigration and diversity of culture, elements of industrial and political expansion, and the reform influence as a constant in our culture, and the development of domestic and foreign policy. These components will be complimented by specific historical periods and events from the Reconstruction period to the present.**

## **AP US History**

**Grade: 11; Credit: 1**

**This course follows a curriculum developed by the College Board and prepares students to take the Advanced Placement examination in American History for college credit. The course will analyze events and concepts in American History from a chronological, co-relational, and developmental perspective. Various cultural aspects will also be included. Beginning with exploration and colonization, students will study America socially, politically, and economically up to, and including current issues as decided by the instructor. Students are required to take the AP exam upon completion of this course.**



# Physical Education

9th Grade Option	10th Grade Option	11th Grade Options	12th Grade Options
Health & Physical Education			

**Total Credits Required: 1**

# Course Descriptions

## **Health & Physical Education**

**Grade: 9; Credit: 1**

**This course addresses the physical, mental, emotional, and social dimensions of health; develops health knowledge, attitudes, and skills; and is tailored to the high school level. It will motivate and assist students to maintain and improve their health, prevent disease, and reduce health-related risk behaviors. Other content in this description includes nutrition and fitness planning and activities to address physical fitness.**



# Bible

9th Grade Option	10th Grade Option	11th Grade Options	12th Grade Options
Biblical Foundations	Personalized to Destiny Plan	Personalized to Destiny Plan	Personalized to Destiny Plan

**Total Credits Required: 1**

# Course Descriptions

## **Biblical Foundations**

**Grade: 9; Credit: 1**

Instructors guide students in an exploratory journey of the Christian Scriptures, including their contents, their historical backgrounds, literary genres, and theological and ethical themes. The course stresses the relevance of the Bible for contemporary Christian faith and practice. Through Biblical Foundations, students gain a foundational knowledge of biblical texts, teachings and backgrounds necessary for the Scriptures to play an informed and enriching role students' continuing personal formation. The course also provides the foundations necessary for understanding the formative role of the Scriptures to develop a biblical worldview.

## High School Courses

	9th Grade	10th Grade	11th Grade	12th Grade
Bible	Biblical Foundations	Personalized to Destiny Plan	Personalized to Destiny Plan	Personalized to Destiny Plan
English Language Arts	English I	English II	<ul style="list-style-type: none"> <li>• English III</li> <li>• TMC ENG 101</li> <li>• AP English Lang &amp; Comp</li> <li>• Personalized to Destiny Plan</li> </ul>	<ul style="list-style-type: none"> <li>• English IV</li> <li>• TMC ENG 102</li> <li>• AP English Literature &amp; Comp</li> <li>• Personalized to Destiny Plan</li> </ul>
Math	<ul style="list-style-type: none"> <li>• Integrated Math</li> <li>• Algebra I</li> <li>• Geometry</li> <li>• Algebra II</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated Math II</li> <li>• Geometry</li> <li>• Algebra II</li> <li>• Precalculus</li> </ul>	<ul style="list-style-type: none"> <li>• Geometry</li> <li>• Algebra II</li> <li>• Precalculus</li> <li>• TMC MAT 101</li> <li>• Personalized to Destiny Plan</li> </ul>	<ul style="list-style-type: none"> <li>• Algebra II</li> <li>• Technical Math</li> <li>• TMC MAT 101</li> <li>• Calculus (College or AP)</li> <li>• Personal Finance</li> <li>• Personalized to Destiny Plan</li> </ul>
Science	<ul style="list-style-type: none"> <li>• Integrated Science</li> <li>• Biology</li> <li>• AP Biology</li> </ul>	<ul style="list-style-type: none"> <li>• Intro to Chemistry</li> <li>• Chemistry</li> <li>• Earth Science</li> <li>• AP Chemistry</li> </ul>	<ul style="list-style-type: none"> <li>• Intro to Physics</li> <li>• Physics</li> <li>• AP Physics</li> <li>• AP Environmental Science</li> </ul>	Personalized to Destiny Plan
Social Studies	Integrated Social Studies	<ul style="list-style-type: none"> <li>• World History</li> <li>• AP World History</li> </ul>	<ul style="list-style-type: none"> <li>• U.S. History</li> <li>• AP U.S. History</li> </ul>	Personalized to Destiny Plan
Physical Education	Health and Physical Education	Personalized to Destiny Plan	Personalized to Destiny Plan	Personalized to Destiny Plan
Electives	Personalized to Destiny Plan	Personalized to Destiny Plan	Personalized to Destiny Plan	Personalized to Destiny Plan

# High School Courses Worksheet

**9th Grade**

**10th Grade**

**11th Grade**

**12th Grade**

Bible

English  
Language Arts

Math

Science

Social Studies

Physical  
Education

Electives



# Extra/co-curricular Activities



**Theatre**



**Cross-Country**



**Academic Team**



**Cheer-leading**



**Basketball**



**Soccer**



**Praise Team**



**Volleyball**





# NCAA/NAIA Eligibility

## NCAA Eligibility

- If you plan to enroll in any Division I or Division II college or university, please read this information carefully.
- Students' NCAA initial eligibility will be evaluated under the 16 core-courses described in the section. Potential college athletes must meet the core course requirements below in order to be eligible for the NCAA. Athletes also must have an NCAA core course GPA of 2.3 or higher (2.2 for Division II) and score at the NCAA specified levels on either the ACT or SAT. Additionally, check out NCAA's Eligibility Center for more information before you schedule your courses - <http://www.ncaa.org/student-athletes/future/eligibility-center>

### DIVISION I – 16 CORE COURSES

- 4 years of English
- 3 years of Math (Algebra I or higher)
- 2 years of Natural/Physical Science including one year of lab science
- 1 year of additional English, Mathematics or Natural/Physical Science
- 2 years of Social Studies 4 years of additional coursework (from any area above, World Languages or non-doctrinal religion/philosophy)

\*Total of 10 Core Courses, including 7 English, Math, or Natural/Physical Science, must be completed before your seventh semester

### DIVISION II – 16 CORE COURSES

- 3 years of English
- 2 years of Math (Algebra I or higher)
- 2 years of Natural/Physical Science including one year of lab science
- 3 years of additional English, Mathematics, or Natural/Physical Science
- 2 years of Social Studies 4 years of additional coursework (from any area above, World Languages or non-doctrinal religion/philosophy)

### NAIA ELIGIBILITY

- If you plan to enroll in an NAIA college or university, please read this information carefully.
- To be academically eligible, the eligibility center requires that incoming freshmen meet two of three criteria.
- Achieve a minimum of 16 on the ACT or 860 on the SAT\*
- Achieve a minimum overall high school grade point average of 2.0 on a 4.0 scale
- Graduate in the top half of their high school class.

\*These test score requirements are for any athletes taking standardized tests from March 1, 2016 – May 1, 2019. After May 1, 2019, the test score requirements will be an 18 ACT or a 970 SAT.

- Student-athletes should create an account at [www.PlayNAIA.org](http://www.PlayNAIA.org), which processes initial eligibility and provides details regarding eligibility requirements and documentation.



# Career Pathways

Agriculture , Food & Natural Resources							Example Careers	Industry Certifications Available
<b>Horticulture &amp; Plant Science Systems</b> CIP: 01.1101.00	8th Grade	9th Grade	10th Grade	11th Grade	12th grade		Plant Scientist, Plant Propagator, Turf Manager, Athletic Field Manager, Golf Course Superintendent; Florist, Greenhouse Manager	BASF Plant Science Certification (ICEV); Benz School of Floral Design Principles of Floral Design Certification (ICEV); KY Department of Agriculture Pesticide Operator Certification
Agricultural Exploration (ICEV)	X							
Introduction to Agriscience (ICEV)		X	X					
Horticultural Science (ICEV)		X	X					
Plant & Soil Science (ICEV)			X	X				
Floral Design (ICEV)			X	X	X			
Landscape Design, Construction & Maintenance (ICEV)				X	X			
Landscape Management Certificate Course - Installation				X	X			
Landscape Management Certificate Course - Irrigation				X	X			
Landscape Management Certificate Course - Maintenance				X	X			
<b>Ag Power, Structures, Technical Systems.</b> CIP: 01.0201	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade		Diesel Mechanic, Welding Technician, Parts Dealer, Agricultural Mechanic, Mechanical Entrepreneur	Equipment and Engine Training Council (EETC) Principles of Small Engine Technology Certification; EETC Technician Certification - Four Stroke; EETC Technician Certification - Two Stroke;
Agricultural Exploration (ICEV)	X							
Introduction to Agriscience (ICEV)		X	X					
Agricultural Power Systems (ICEV)		X	X	X				
Agricultural Equipment Design & Fabrication (ICEV)			X	X	X			
Agricultural Mechanics & Metal Technologies (ICEV)				X	X			
Agricultural Structures Systems (ICEV)				X	X			
<b>Animal Sciences</b> CIP: 01.0901	8th Grade	9th Grade	10th Grade	11th Grade	12th grade		Veterinary Assistant, Animal Health, Breeder, Livestock manager, Extension Agent, Genetics company representative	NAVTA Veterinary Assisting Certification; must be 16 to participate in online program; 12 courses required - have 12 months to complete online courses; 100 clinical hours at approved veterinary practice with clinical assignments (12 online courses must be completed prior to clinical experience).  ELANCO Fundamental of Animal Science Certification; or ELANCO Veterinary Medical Applications Certification (ICEV)
Agricultural Exploration (ICEV)	X							
Introduction to Agriscience (ICEV)		X	X					
Food Processing (ICEV)		X	X					
Small Animal Care & Management (ICEV)			X	X				
Food Science & Technology (ICEV)				X	X			
Veterinary Medical Applications (ICEV)				X	X			
NAVTA Veterinary Assisting				X	X			
<b>Environmental Science and Natural Resources Systems</b> CIP: 03.0101	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade		Natural resource management, Environmentalist, Wildlife Ranger	Ducks Unlimited Ecology Conservation & Management Certification (ICEV)
Agricultural Exploration (ICEV)	X							
Introduction to Agriscience (ICEV)		X	X					
Energy & Natural Resources Technology		X	X	X	X			
Forestry & Woodland Ecosystems			X	X	X			
Wildlife, Fisheries & Ecology Management				X	X			
<b>Architecture &amp; Construction</b>								
<b>Architectural Technology</b> CIP: 15.1301.02	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade		Drafter, Architect	Autodesk AutoCAD Certified User; Autodesk Revit Certified User
Principles of Construction (ICEV)		X	X					
Principles of Architecture (ICEV)		X	X	X	X			
Construction Technology I (ICEV)			X	X	X			
Professional Communications (ICEV)		X	X	X	X			
Workplace and Internship Readiness: Preparing for Work & Life (Edmentum)				X	X			
AutoCad Certification Prep				X	X			

# Career Pathways

Construction Carpentry	CIP: 46.0201.99	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade	Example Careers	Industry Certification
Principles of Construction (ICEV)			X	X			Residential/Commerical Carpenter Assistant, Carpenter's Helper	Certificate: Work Ready - Carpentry; The Millard College
CARP 101 Beginning Carpentry (TMC)				X	X	X		
CARP 102 Intermediate Carpentry (TMC)				X	X	X		
COMP 101 Introduction to Computers (TMC)			X	X	X	X		
WOSK 101 Workplace Skills (TMC)					X	X		
CARP 103 Advanced Carpentry (TMC)					X	X		
CARP 104 Advanced Carpentry Capstone (TMC)						X		
<b>Arts/Audio-Visual &amp; Communications</b>								
Theater, Cinema, & Film	CIP: 50.0602	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade	Example Careers	Industry Certifications
Principles of Art, Audio/Video Technology & Communications (ICEV)		X	X				Fields including cinema, animation, sound imaging design, virtual design, interactive design, as well as multimedia and intermedia.	Adobe Certified Associate: After Effects; Adobe Certified Associate: Photoshop; Adobe Certified Associate: Premiere Pro
Digital Photography 1a: Introduction (Edmentum)			X	X				
Digital Photography 1b: Creating images with impact (Edmentum)			X	X				
Digital Photography 2: Discovering Your Creative Potential (Edmentum)				X	X			
Theater, Cinema, and Film Production 1a: Introduction (Edmentum)				X	X			
Public Speaking 1b: Finding Your Voice (Edmentum)				X	X			
Workplace and Internship Readiness: Preparing for Work & Life (Edmentum)					X	X		
Media Arts Coop OR Media Arts Internship						X		
<b>Animation and 3D Modeling</b>								
Animation and 3D Modeling	CIP: 15.1307	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade	Example Careers	Industry Certifications
Principles of Art, Audio/Video Technology & Communications (ICEV)		X	X				Fields including cinema, animation, sound imaging design, virtual design, interactive design, as well as multimedia and intermedia.	Adobe Certified Associate: After Effects; Adobe Certified Associate: Photoshop; Adobe Certified Associate: Premiere Pro
Digital Photography 1a: Introduction (Edmentum)			X	X				
Animation 1a: Introduction			X	X				
Animation 1b: Animating Your Creativity!				X	X			
3D Modeling 1a: Introduction				X	X			
3D Modeling 1b: Set the Scene				X	X			
Workplace and Internship Readiness: Preparing for Work & Life (Edmentum)					X	X		
Media Arts Coop OR Media Arts Internship						X		
<b>Business Management &amp; Administration</b>								
Business	CIP: 52.0701	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade	Example Careers	Industry Certification
Introduction to Business & Marketing (ICEV)			X	X			Business Manager, Business Owner, Human Resources Management,	ASK Fundamentals of Business Concepts; Concepts of Entrepreneurship and Management
Professional Communications (ICEV)			X	X	X	X		
Business Management (ICEV)				X	X	X		
Entrepreneurship (ICEV)				X	X	X		
Business Law (ICEV)					X	X		
Human Resources Management. (ICEV)					X	X		

# Career Pathways

		Education & Training						
Early Childhood Education	CIP: 13.0101	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade	Example Careers	Certification
Human and Social Services: Introduction (Edmentum)			X	X			Teacher, Instructional Assistant, Daycare	American Association of Family and Consumer Sciences Pre-Professional Assessment and Certification in Education Fundamentals
Real World Parenting. (Edmentum)			X	X				
Principles of Education & Training (ICEV)				X	X			
Instructional Practices (ICEV)				X	X			
Early Childhood Education 1a: Introduction. (Edmentum)				X	X			
Early Childhood Education 1b: Developing Early Learners. (Edmentum)				X	X			
Workplace and Internship Readiness: Preparing for Work & Life (Edmentum)					X	X		
		<b>Finance</b>						
Accounting	CIP: 52.0301	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade	Example Careers	Certification
Introduction to Business & Marketing. (ICEV)			X	X			Accountant, Financial Consultant,	NOCTI-Accounting
Personal Finance (ICEV)				X	X			
Accounting I. (ICEV)				X	X	X		
Accounting II. (ICEV)				X	X	X		
		<b>Government &amp; Public Administration</b>						
		8th Grade	9th Grade	10th Grade	11th Grade	12th Grade	Example Careers	Certification
Civics (Edmentum)		X	X					
Economics (Edmentum)		X	X					
AP US History				X				
Sociology (Edmentum-Apex)			X	X				
AP US Government and Politics				X	X	X		

# Career Pathways

Health Science							
<b>Nursing - SRNA - State Registered Nurse Aide (KY) CIP: 51.2699.01</b>	<b>8th Grade</b>	<b>9th Grade</b>	<b>10th Grade</b>	<b>11th Grade</b>	<b>12th Grade</b>	<b>Example Careers</b>	<b>Certification</b>
Health Science 1: The Whole Individual (Edmentum)		X	X			Nursing Assistant	KY State Registered Nurse Aide (SRNA)
Health Science 2: Patient Care and Medical Services (Edmentum)			X	X			
Health Science: Nursing (Edmentum)			X	X	X		
BIO 135 Basic Anatomy & Physiology or (ACTC)				X	X		
BIO 137 Human Anatomy & Physiology (ACTC)				X	X		
BIO 139 Human Anatomy & Physiology II (ACTC)				X	X		
COM 181 Basic Public Speaking (ACTC)			X	X	X		
CIT 105 Digital Literacy (ACTC)			X	X	X		
NAA 100 - Nursing Assistant Skills I AND					X		
NAA 115 - Nursing Assistant Skills II OR					X		
MNA 100 - Medicaid Nurse Aide AND					X		
NAA 115 - Nursing Assistant Skills II					X		
<b>Medical Administrative Assistant with B&amp;C and EHR (Billing/Coding; Electronic Health Records). CIP: 51.0710</b>	<b>8th Grade</b>	<b>9th Grade</b>	<b>10th Grade</b>	<b>11th Grade</b>	<b>12th Grade</b>	<b>Example Careers</b>	<b>Certification</b>
Principles of Health Science (ICEV)		X	X	X		Medical Administrative Assistant	National Healthcareer Association Medical Administrative Assistant, Billing and Coding Specialist
Professional Communications		X	X				
Medical Terminology (ICEV)		X	X	X			
Health Science 1: The Whole Individual (Edmentum)		X	X				
Health Science 2: Patient Care and Medical Services (Edmentum)			X	X			
BIO 135 Basic Anatomy & Physiology or (ACTC)				X	X		
BIO 137 Human Anatomy & Physiology (ACTC)				X	X		
BIO 139 Human Anatomy & Physiology II (ACTC)				X	X		
Health Science Theory				X	X		
National Healthcareer Association Certification Preparation					X		
<b>Clinical Medical Assisting CIP: 51.0801</b>	<b>8th Grade</b>	<b>9th Grade</b>	<b>10th Grade</b>	<b>11th Grade</b>	<b>12th Grade</b>	<b>Example Careers</b>	<b>Certification</b>
Principles of Health Science (ICEV)		X	X	X		Clinical Medical Assistant	National Healthcareer Association (NHA) Clinical Medical Assisting
Professional Communications		X	X				
Medical Terminology (ICEV)		X	X	X			
Health Science 1: The Whole Individual (Edmentum)		X	X				
Health Science 2: Patient Care and Medical Services (Edmentum)			X	X			
BIO 135 Basic Anatomy & Physiology or (ACTC)				X	X		
BIO 137 Human Anatomy & Physiology (ACTC)				X	X		
BIO 139 Human Anatomy & Physiology II (ACTC)				X	X		
Health Science Theory				X	X		
National Healthcareer Association Certification Preparation					X		
<b>EKG Technology/Technician CIP: 51.0902</b>	<b>8th Grade</b>	<b>9th Grade</b>	<b>10th Grade</b>	<b>11th Grade</b>	<b>12th Grade</b>	<b>Example Careers</b>	<b>Certification</b>
Principles of Health Science (ICEV)		X	X	X		EKG Technician	EKG Certification
Professional Communications		X	X				
Medical Terminology (ICEV)		X	X	X			
Health Science 1: The Whole Individual (Edmentum)		X	X				
Health Science 2: Patient Care and Medical Services (Edmentum)			X	X			
BIO 135 Basic Anatomy & Physiology or (ACTC)				X	X		
BIO 137 Human Anatomy & Physiology (ACTC)				X	X		
BIO 139 Human Anatomy & Physiology II (ACTC)				X	X		
Health Science Theory				X	X		
Workplace and Internship Readiness: Preparing for Work & Life (Edmentum)				X	X		
National Healthcareer Association Certification Preparation					X		

# Career Pathways

<b>Pharmacy Technician</b> CIP: 51.0805.01	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade	Example Careers	Certification
Principles of Health Science (ICEV)		X	X	X		Pharmacy Technician	Pharmacy Technician
Professional Communications		X	X				
Medical Terminology (ICEV)		X	X	X			
Health Science 1: The Whole Individual (Edmentum)		X	X				
Health Science 2: Patient Care and Medical Services (Edmentum)			X	X			
BIO 135 Basic Anatomy & Physiology or (ACTC)				X	X		
BIO 137 Human Anatomy & Physiology (ACTC)				X	X		
BIO 139 Human Anatomy & Physiology II (ACTC)				X	X		
Health Science Theory				X	X		
Workplace and Internship Readiness: Preparing for Work & Life (Edmentum)				X	X		
National Healthcareer Association Certification Preparation					X		
<b>Hospitality &amp; Tourism</b>							
<b>Hospitality Management</b> CIP: 52.0909	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade	Example Careers	Certification
Professional Communications (ICEV)		X	X			Hotel Manager, Rental Management,	NOCTI Hospitality Management - Lodging
Principles of Hospitality & Tourism (ICEV)			X	X			
Hospitality Services (ICEV)			X	X	X		
Hospitality & Tourism 1: Traveling the Globe (Edmentum)			X	X	X		
Hospitality & Tourism 2a: Hotel and Restaurant Management (Edmentum)				X	X		
Hospitality & Tourism 2b: Hotel and Restaurant Management (Edmentum)				X	X		
Workplace and Internship Readiness: Preparing for Work & Life (Edmentum)				X	X		
<b>Human Services</b>							
<b>Culinary</b> CIP: 12.0503	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade	Example Careers	Certification
COMP 101 Introduction to Computers (TMC)		X				Chef, Baker, Entrepreneur, Food Inspector, Butcher	Certificate: Work Ready Culinary - The Millard College
WOSK 101 Workplace Skills (TMC)		X	X				
CUL 101 Beginning Culinary (TMC)			X	X			
CUL 102 Intermediate Culinary (TMC)				X	X		
CUL 103 Advanced Culinary (TMC)				X	X		
Workplace and Internship Readiness: Preparing for Work & Life (Edmentum)				X	X		
CUL 104 Culinary Capstone (TMC)				X	X		
<b>Social Work</b> CIP: 44.0701	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade	Example Careers	Certification
Human and Social Services 1: Introduction (Edmentum)		X	X			Behavioral Health Specialist, Social Worker	
Social Problems 1: A World in Crisis (Edmentum)		X	X				
Social Problems 1: A World in Crisis (Edmentum)			X	X			
Counseling & Mental Health (ICEV)			X	X			
Family & Community Services (ICEV)				X	X		
Psychology (TMC)				X	X		
Workplace and Internship Readiness: Preparing for Work & Life (Edmentum)				X	x		

# Career Pathways

<b>Cosmetology</b> CIP: 12.0413	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade	Example Careers	Certification
COMP 101 Introduction to Computers (TMC)		X				Hairdresser, Nail Technician	KY Board of Cosmetology Licensure
Professional Communication (ICEV)		X					
Anatomy and Physiology (ICEV)		X	X				
Introduction to Cosmetology (ICEV)		X	X				
Infection Control & First Aid (ICEV)		X	X				
Hair Design (ICEV)			X	X			
Braiding, Hair Additions & Wigs (ICEV)			X	X			
Hair Coloring (ICEV)			X	X			
Haircutting (ICEV)			X	X			
Hairstyling (ICEV)			X	X			
Chemical Texturing (ICEV)			X	X	X		
Trichology (ICEV)			X	X	X		
Skincare Fundamentals I (ICEV)			X	X	X		
Skincare Fundamentals II (ICEV)			X	X	X		
Nail Technician (ICEV)			X	X	X		
Personal & Professional Development (ICEV)			X	X	X		
Employability & Salon Ownership (ICEV)			X	X	X		
<b>Information Technology</b>							
<b>Coding</b>	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade	Example Careers	Certification
COMP 101 Introduction to Computers (TMC)	X					Computer Software Engineer, Database Developer, Computer Hardware Engineer, Computer Scientist, Web Developer, Computer Programmer, IT Project Manager	
Computer Science (CS) Discoveries (Code.org)	X	X	X				
Computer Science (CS) Principles (Code.org)		X	X	X	X		
AP Computer Science A (Code.org)			X	X	X		
<b>IT Operations, Support, &amp; Cybersecurity</b>	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade	Example Careers	Certification
COMP 101 Introduction to Computers (TMC)	X					Computer Software Engineer, Database Developer, Computer Hardware Engineer, Computer Scientist, Web Developer, Computer Programmer, IT Project Manager	CompTIA ITF+; CompTIA A+
Computer Science (CS) Discoveries (Code.org) or	X	X					
Coding 1a: Introduction to Programming (Edmentum)		X	X				
Coding 1b: Programming (Edmentum)		X	X				
Cybersecurity 1a: Foundations (Edmentum)		X	X	X	X		
Cybersecurity 1b: Defense Against Threats (Edmentum)							
CompTIA Fundamentals (ITF+)			X	X	X		
CompTIA A+220-1101				X	X		
CompTIA A+220-1102				X	X		
Workplace and Internship Readiness: Preparing for Work & Life				X	X		
<b>Law, Public Safety, Corrections &amp; Security</b>							
<b>Law Enforcement Services.</b> CIP: 43.0107.00	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade	Example Careers	Certification
COMP 101 Introduction to Computers (TMC)						Law Enforcement, Security Guard	NOCTI Criminal Justice
WOSK 101 Workplace Skills (TMC)		X	X				
Professional Communications (ICEV)		X	X				
Principles of Law, Public Safety, Corrections & Security (ICEV)		X	X	X			
Law Enforcement I (ICEV)			X	X			
Law Enforcement II (ICEV)			X	X			
Court Systems & Practices (ICEV)			X	X			
Forensic Science (ICEV)				X	X		
Workplace and Internship Readiness: Preparing for Work & Life (Edmentum)				X	X		

# Career Pathways

Manufacturing								
Welding	CIP: 47.0303.06	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade	Example Careers	Certification
COMP 101 Introduction to Computers (TMC)		X	X				Welder, Pipefitter	TMC Work Reading Certificate: Welding; Welding Certifications with IKORCC
WOSK 101 Workplace Skills (TMC)		X	X	X				
Introduction to Welding (ICEV)		X	X	X				
Welding I (ICEV)			X	X				
Welding II (ICEV)			X	X				
WEL 101 Beginning Welding (TMC)				X				
WEL 102 Intermediate Welding (TMC)				X				
WEL 103 Advanced Welding (TMC)					X	X		
Workplace and Internship Readiness: Preparing for Work & Life (Edmentum)					X	X		
WEL 107 Welding Capstone (TMC)						X		
Marketing								
Marketing	CIP: 52.1401.01		9th Grade	10th Grade	11th Grade	12th Grade	Example Careers	Certification
Professional Communications			X	X			Marketing Director, Marketing Executive,	National Retail Foundation - Rise Up - Retail Industry Fundamentals, Customer Service and Sales, Business of Retail AND Google Analytics Individual Certification (GAIC) or TestOut Office Pro
COMP 101 Introduction to Computers (TMC)			X	X				
Social Media Marketing (ICEV)			X	X	X	X		
Advertising (ICEV)				X	X	X		
Graphic Design & Illustration (ICEV)				X	X	X		
Fashion Marketing (ICEV)				X	X	X		
Retailing & E-tailing (ICEV)				X	X	X		
Sports & Entertainment Marketing (ICEV)				X	X	X		
Advanced Advertising (ICEV)					X	X		
Entrepreneurship (ICEV)					X	X		
Practicum in Marketing (ICEV)					X	X		
Workplace and Internship Readiness: Preparing for Work & Life (Edmentum)					X	X		
Science, Technology, Engineering & Mathematics								
Engineering Design & Development	CIP: 14.0801		9th Grade	10th Grade	11th Grade	12th Grade	Example Careers	Certification
Foundations of Technology and Engineering (EbD)			X					
Technological Design (EbD)			X	X				
AP Computer Science Principles by Design (EbD)			X	X	X	X		
OnShape Certification by Design (EbD)			X	X	X	X		
Advanced Design Applications (EbD)					X	X		
Advanced Technological Applications (EbD)					X	X		
Engineering Design (Capstone) (EbD)					X	X		
Transportation, Distribution & Logistics								
Automotive Service Technician	CIP: 47.0604.02		9th Grade	10th Grade	11th Grade	12th Grade	Example Careers	Certification
COMP 101 Introduction to Computers (TMC)			X	X			Auto Technician, Parts Dealer, Dispatcher, Service Manager, Customer Service Rep	ASE Certification & Work-Ready Automotive Certificate - The Millard College
WOSK 101 Workplace Skills (TMC)			X	X				
AUTO 101 Beginning Automotive (TMC)				X	X	X		
AUTO 102 Intermediate Automotive (TMC)					X	X		
AUTO 103 Advanced Automotive (TMC)					X	X		
Workplace and Internship Readiness: Preparing for Work & Life (Edmentum)					X	X		
AUTO 104 Automotive Capstone (TMC)					X	X		





# Agriculture, Food & Natural Resources



## Horticulture & Plant Science Systems

CIP: 01.1101.00

Example Careers:

Plant Scientist, Plant Propagator, Turf Manager, Athletic Field Manager, Golf Course Superintendent; Florist, Greenhouse Manager

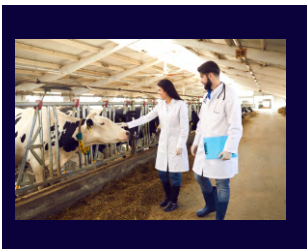


## Ag Power, Structures, Technical Systems

CIP: 01.0201

Example Careers:

Diesel Mechanic, Welding Technician, Parts Dealer, Agricultural Mechanic, Mechanical Entrepreneur

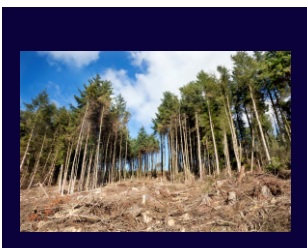


## Animal Sciences

CIP: 01.0901

Example Careers:

Veterinary Assistant, Animal Health, Breeder, Livestock manager, Extension Agent, Genetics company representative



## Environmental Science and Natural Resource Systems

CIP: 03.0101

Example Careers:

Natural resource management, Environmentalist, Wildlife Ranger

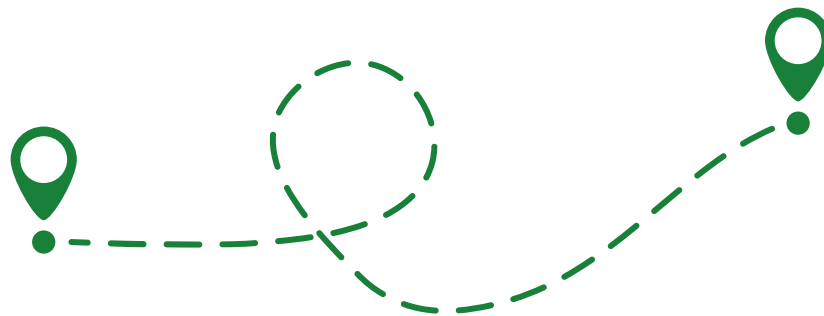
# Horticulture & Plant Science Systems

## Suggested Course Path

	8th Grade	9th Grade	10th Grade	11th Grade	12th grade
Agricultural Exploration (ICEV)	X				
Introduction to Agriscience (ICEV)		X	X		
Horticultural Science (ICEV)		X	X		
Plant & Soil Science (ICEV)			X	X	
Floral Design (ICEV)			X	X	X
Landscape Design, Construction & Maintenance (ICEV)				X	X
Landscape Management Certificate Course - Installation				X	X
Landscape Management Certificate Course - Irrigation				X	X
Landscape Management Certificate Course - Maintenance				X	X

## Industry Certifications Available

BASF Plant Science Certification (ICEV); Benz School of Floral Design Principles of Floral Design Certification (ICEV); KY Department of Agriculture Pesticide Operator Certification



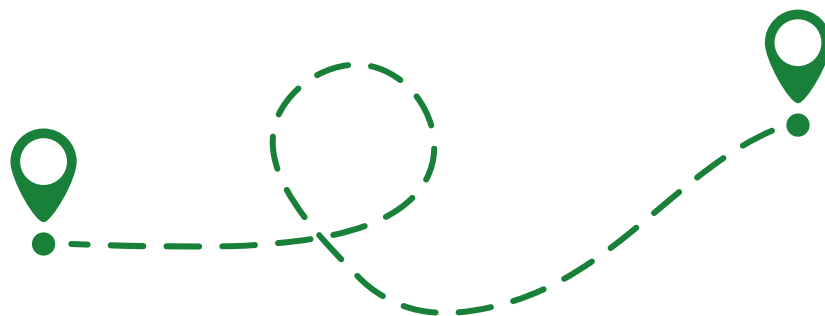
# Ag Power, Structures, Technical Systems

## Suggested Course Path

	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
Agricultural Exploration (ICEV)	X				
Introduction to Agriscience (ICEV)		X	X		
Agricultural Power Systems (ICEV)		X	X	X	
Agricultural Equipment Design & Fabrication (ICEV)			X	X	X
Agricultural Mechanics & Metal Technologies (ICEV)				X	X
Agricultural Structures Systems (ICEV)				X	X

## Industry Certifications Available

Equipment and Engine Training Council (EETC) Principles of Small Engine Technology Certification;  
EETC Technician Certification - Four Stroke; EETC Technician Certification - Two Stroke;



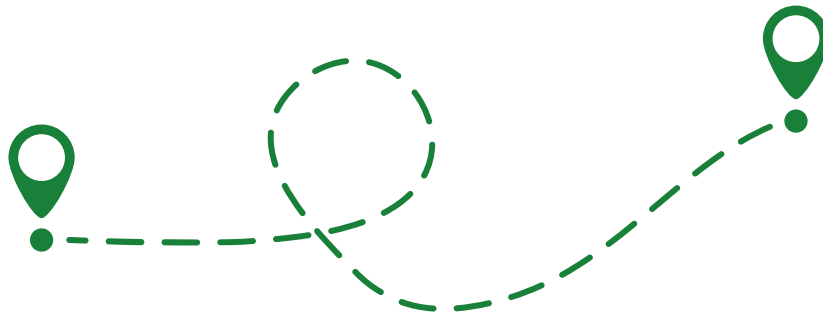
# Animal Science

## Suggested Course Path

Agricultural Exploration (ICEV)	X				
Introduction to Agriscience (ICEV)		X	X		
Food Processing (ICEV)		X	X		
Small Animal Care & Management (ICEV)			X	X	
Food Science & Technology (ICEV)				X	X
Veterinary Medical Applications (ICEV)				X	X
NAVTA Veterinary Assisting				X	X

## Industry Certifications Available

NAVTA Veterinary Assisting Certification; must be 16 to participate in online program; 12 courses required - have 12 months to complete online courses; 100 clinical hours at approved veterinary practice with clinical assignments (12 online courses must be completed prior to clinical experience).

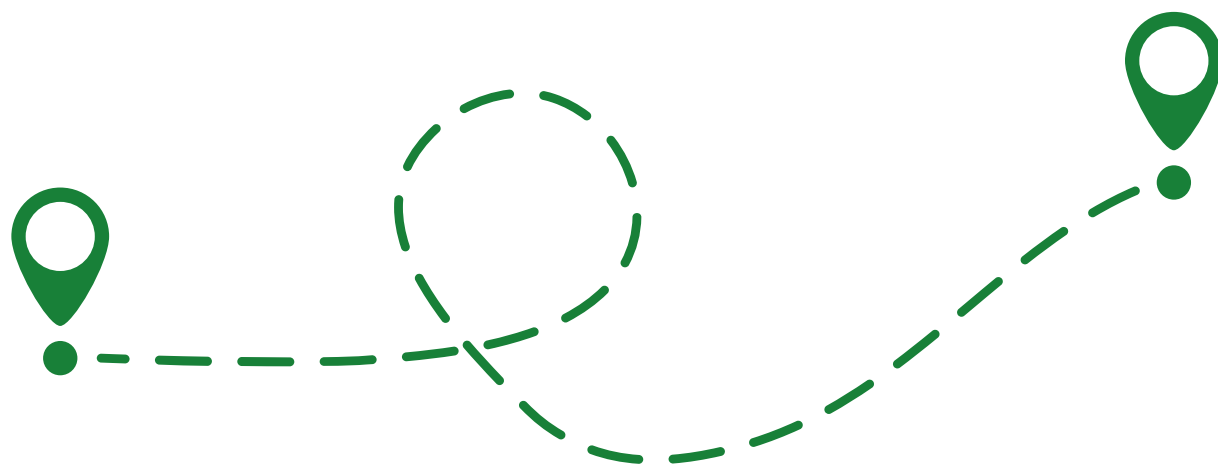


## Suggested Course Path

	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
Agricultural Exploration (ICEV)	X				
Introduction to Agriscience (ICEV)		X	X		
Energy & Natural Resources Technology		X	X	X	X
Forestry & Woodland Ecosystems			X	X	X
Wildlife, Fisheries & Ecology Management				X	X

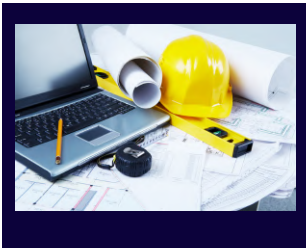
## Industry Certifications Available

Ducks Unlimited Ecology Conservation & Management Certification (ICEV)





# Architecture & Construction



## Architectural Technology

CIP: 15.1301.02

Example Careers: Drafter, Architect



## Construction Carpentry

CIP: 46.0201.99

Example Careers: Residential/Commercial Carpenter  
Assistant, Carpenter's Helper

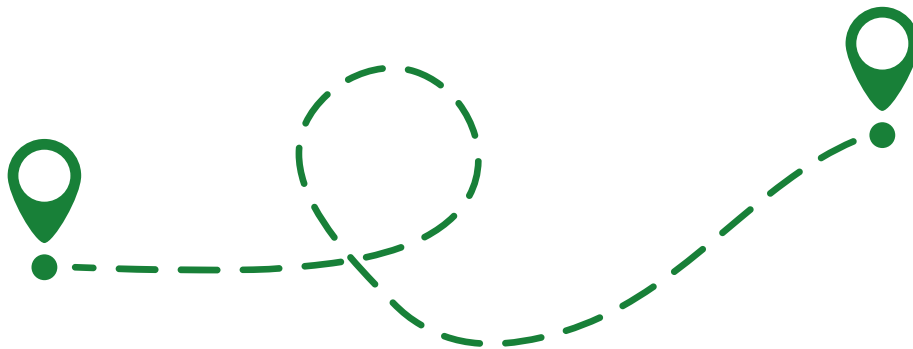
# Architectural Technology

## Suggested Course Path

	9th Grade	10th Grade	11th Grade	12th Grade
Principles of Construction (ICEV)	X	X		
Principles of Architecture (ICEV)	X	X	X	X
Construction Technology I (ICEV)		X	X	X
Professional Communications (ICEV)	X	X	X	X
Workplace and Internship Readiness: Preparing for Work & Life (Edmentum)			X	X
AutoCad Certification Prep			X	X

## Industry Certifications Available

Autodesk AutoCAD Certified User; Autodesk Revit Certified User



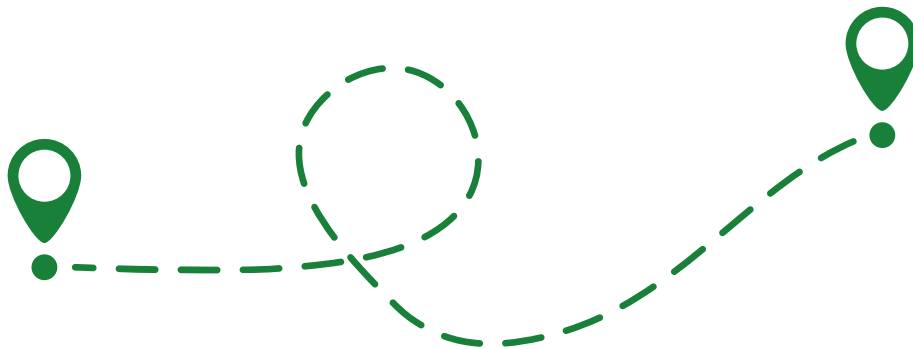
# Construction Carpentry

## Suggested Course Path

	9th Grade	10th Grade	11th Grade	12th Grade
Principles of Construction (ICEV)	X	X		
CARP 101 Beginning Carpentry (TMC)		X	X	X
CARP 102 Intermediate Carpentry (TMC)		X	X	X
COMP 101 Introduction to Computers (TMC)	X	X	X	X
WOSK 101 Workplace Skills (TMC)			X	X
CARP 103 Advanced Carpentry (TMC)			X	X
CARP 104 Advanced Carpentry Capston (TMC)				X

## Industry Certifications Available

Certificate: Work Ready - Carpentry; The Millard College







# Arts/Audio- Visual & Communications



## Theater, Cinema, & Film

CIP: 50.0602

Example Careers:

Fields including cinema, animation, sound imaging design, virtual design, interactive design, as well as multimedia and intermedia.



## Animation and 3D Modeling

CIP: 1501307

Example Careers:

Fields including cinema, animation, sound imaging design, virtual design, interactive design, as well as multimedia and intermedia.

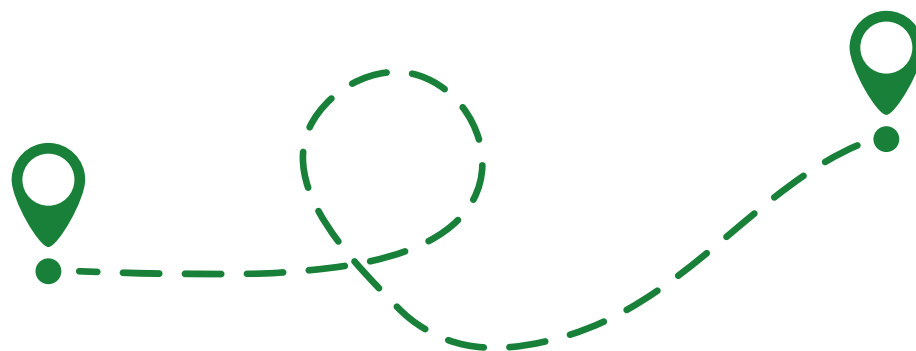
# Theater, Cinema, & Film

## Suggested Course Path

	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
Principles of Art, Audio/Video Technology & Communications (ICEV)	X	X			
Digital Photography 1a: Introduction (Edmentum)		X	X		
Digital Photography 1b: Creating images with impact (Edmentum)		X	X		
Digital Photography 2: Discovering Your Creative Potential (Edmentum)			X	X	
Theater, Cinema, and Film Production 1a: Introduction (Edmentum)			X	X	
Public Speaking 1b: Finding Your Voice (Edmentum)			X	X	
Workplace and Internship Readiness: Preparing for Work & Life (Edmentum)				X	X
Media Arts Coop OR Media Arts Internship					X

## Industry Certifications Available

Adobe Certified Associate: After Effects; Adobe Certified Associate: Photoshop; Adobe Certified Associate: Premiere Pro



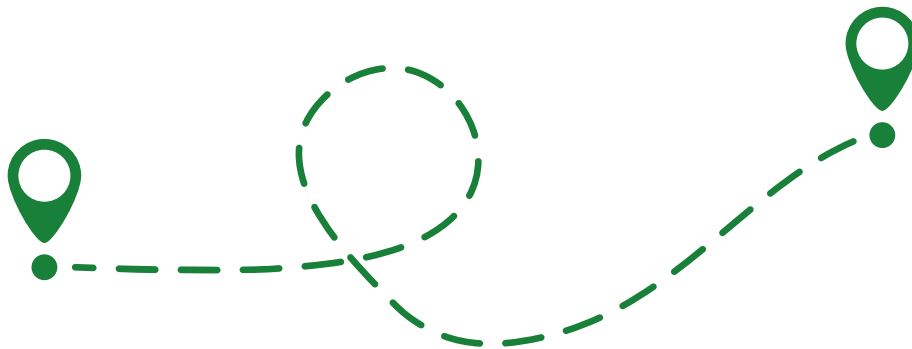
# Animation and 3D Modeling

## Suggested Course Path

	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
Principles of Art, Audio/Video Technology & Communications (ICEV)	X	X			
Digital Photography 1a: Introduction (Edmentum)		X	X		
Animation 1a: Introduction		X	X		
Animation 1b: Animating Your Creativity!			X	X	
3D Modeling 1a: Introduction			X	X	
3D Modeling 1b: Set the Scene			X	X	
Workplace and Internship Readiness: Preparing for Work & Life (Edmentum)				X	X
Media Arts Coop OR Media Arts Internship					X

## Industry Certifications Available

Adobe Certified Associate: After Effects; Adobe Certified Associate: Photoshop; Adobe Certified Associate: Premiere Pro



**Arts/Audio-Visual Communications**



# Business Management & Administration



## Business

CIP: 52.0701

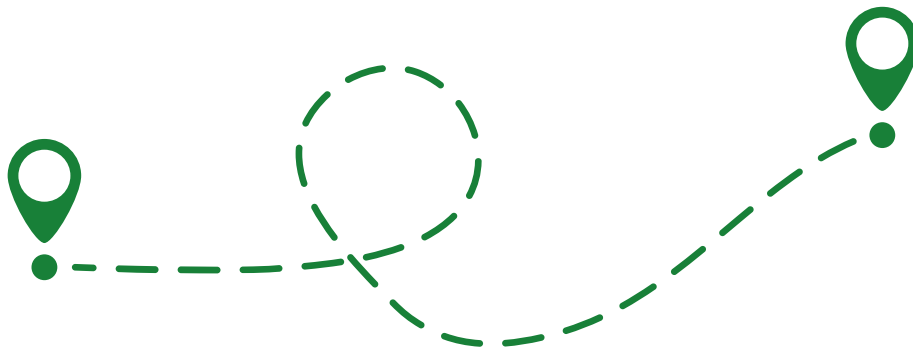
Example Careers: Business Manager, Business Owner,  
Human Resources Management

## Suggested Course Path

	9th Grade	10th Grade	11th Grade	12th Grade
Introduction to Business & Marketing (ICEV)	X	X		
Professional Communications (ICEV)	X	X	X	X
Business Management (ICEV)		X	X	X
Entrepreneurship (ICEV)		X	X	X
Business Law (ICEV)			X	X
Human Resources Management. (ICEV)			X	X

## Industry Certifications Available

ASK Fundamentals of Business Concepts; Concepts of Entrepreneurship and Management





# Education & Training



## Early Childhood Education

CIP: 13.0101

Example Careers:

Teacher, Instructional Assistant, Daycare

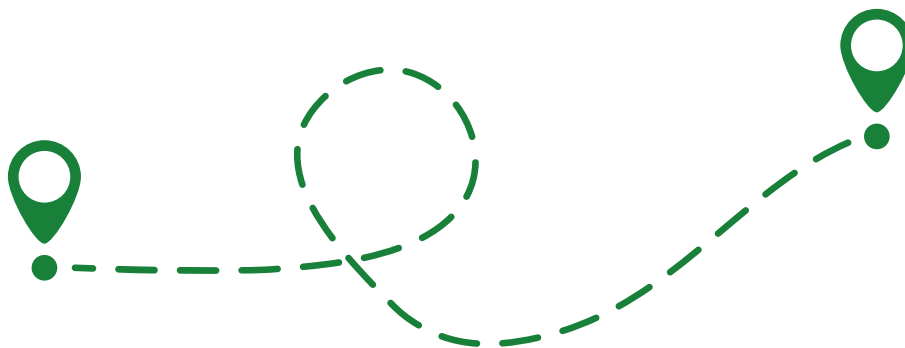
# Early Childhood Education

## Suggested Course Path

	9th Grade	10th Grade	11th Grade	12th Grade
Human and Social Services: Introduction (Edmentum)	X	X		
Real World Parenting. (Edmentum)	X	X		
Principles of Education & Training (ICEV)		X	X	
Instructional Practices (ICEV)		X	X	
Early Childhood Education 1a: Introduction. (Edmentum)		X	X	
Early Childhood Education 1b: Developing Early Learners. (Edmentum)		X	X	
Workplace and Internship Readiness: Preparing for Work & Life (Edmentum)			X	X

## Industry Certifications Available

American Association of Family and Consumer Sciences Pre-Professional Assessment and Certification in Education Fundamentals



Education & Training



# Finance



## Accounting

CIP: 52.0301

Example Careers:  
Accountant, Financial  
Consultant



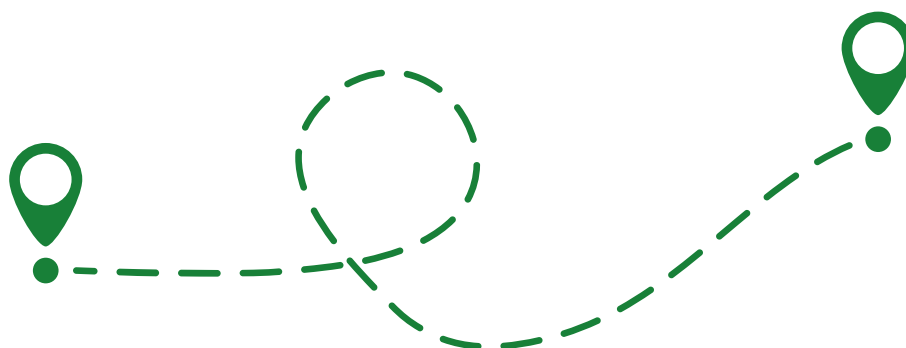
# Accounting

## Suggested Course Path

	9th Grade	10th Grade	11th Grade	12th Grade
Introduction to Business & Marketing. (ICEV)	X	X		
Personal Finance (ICEV)		X	X	
Accounting I. (ICEV)		X	X	X
Accounting II. (ICEV)		X	X	X

## Industry Certifications Available

ASK Concepts of Finance



Finance



# Government & Public Administration

## Suggested Course Path

	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
Civics (Edmentum)	X	X			
Economics (Edmentum)	X	X			
AP US History			X		
Sociology (Edmentum-Apex)		X	X		
AP US Government and Politics			X	X	X





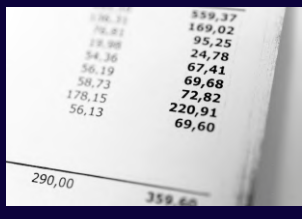
# Health Science



## Nursing - SRNA - State Registered Nurse Aide (KY)

CIP: 51.2699.01

Example Careers: Nursing Assistant



## Medical Administrative Assistant with B&C and EHR (Billing/Coding; Electronic Health Records)

CIP: 51.0710

Example Careers: Medical Administrative Assistant



## Clinical Medical Assisting

CIP: 51.0801

Example Careers: Clinical Medical Assistant



## EKG Technology/Technician

CIP: 51.0902

Example Careers: EKG Technician



## Pharmacy Technician

CIP: 51.0805.01

Example Careers: Pharmacy Technician

# Nursing - SRNA State Registered Nurse Aide (KY)

## Suggested Course Path

	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
Health Science 1: The Whole Individual (Edmentum)		X	X		
Health Science 2: Patient Care and Medical Services (Edmentum)			X	X	
Health Science: Nursing (Edmentum)			X	X	X
BIO 135 Basic Anatomy & Physiology or (ACTC)				X	X
BIO 137 Human Anatomy & Physiology (ACTC)				X	X
BIO 139 Human Anatomy & Physiology II (ACTC)				X	X
COM 181 Basic Public Speaking (ACTC)			X	X	X
CIT 105 Digital Literacy (ACTC)			X	X	X
NAA 100 - Nursing Assistant Skills I AND					X
NAA 115 - Nursing Assistant Skills II OR					X
MNA 100 - Medicaid Nurse Aide AND					X
NAA 115 - Nursing Assistant Skills II					X

## Industry Certifications Available

KY State Registered Nurse Aide (SRNA)

# Medical Administrative Assistant w/B&C, EHR

## Suggested Course Path

Medical Administrative Assistant with B&C and EHR (Billing/Coding; Electronic Health Records). CIP: 51.0710	9th Grade	10th Grade	11th Grade	12th Grade
Principles of Health Science (ICEV)	X	X	X	
Professional Communications	X	X		
Medical Terminology (ICEV)	X	X	X	
Health Science 1: The Whole Individual (Edmentum)	X	X		
Health Science 2: Patient Care and Medical Services (Edmentum)		X	X	
BIO 135 Basic Anatomy & Physiology or (ACTC)			X	X
BIO 137 Human Anatomy & Physiology (ACTC)			X	X
BIO 139 Human Anatomy & Physiology II (ACTC)			X	X
Health Science Theory			X	X
National Healthcareer Association Certification Preparation				X

## Industry Certifications Available

National Healthcareer Association Medical Administrative Assistant, Billing and Coding Specialist

# Clinical Medical Assisting

## Suggested Course Path

	9th Grade	10th Grade	11th Grade	12th Grade
Principles of Health Science (ICEV)	X	X	X	
Professional Communications	X	X		
Medical Terminology (ICEV)	X	X	X	
Health Science 1: The Whole Individual (Edmentum)	X	X		
Health Science 2: Patient Care and Medical Services (Edmentum)		X	X	
BIO 135 Basic Anatomy & Physiology or (ACTC)			X	X
BIO 137 Human Anatomy & Physiology (ACTC)			X	X
BIO 139 Human Anatomy & Physiology II (ACTC)			X	X
Health Science Theory			X	X
National Healthcareer Association Certification Preparation				X

## Industry Certifications Available

National Healthcareer Association (NHA) Clinical Medical Assisting

# EKG Technology/Technician

## Suggested Course Path

	9th Grade	10th Grade	11th Grade	12th Grade
Principles of Health Science (ICEV)	X	X	X	
Professional Communications	X	X		
Medical Terminology (ICEV)	X	X	X	
Health Science 1: The Whole Individual (Edmentum)	X	X		
Health Science 2: Patient Care and Medical Services (Edmentum)		X	X	
BIO 135 Basic Anatomy & Physiology or (ACTC)			X	X
BIO 137 Human Anatomy & Physiology (ACTC)			X	X
BIO 139 Human Anatomy & Physiology II (ACTC)			X	X
Health Science Theory			X	X
Workplace and Internship Readiness: Preparing for Work & Life (Edmentum)			X	X
National Healthcareer Association Certification Preparation				X

## Industry Certifications Available

EKG Certification

# Pharmacy Technician

## Suggested Course Path

	9th Grade	10th Grade	11th Grade	12th Grade
Principles of Health Science (ICEV)	X	X	X	
Professional Communications	X	X		
Medical Terminology (ICEV)	X	X	X	
Health Science 1: The Whole Individual (Edmentum)	X	X		
Health Science 2: Patient Care and Medical Services (Edmentum)		X	X	
BIO 135 Basic Anatomy & Physiology or (ACTC)			X	X
BIO 137 Human Anatomy & Physiology (ACTC)			X	X
BIO 139 Human Anatomy & Physiology II (ACTC)			X	X
Health Science Theory			X	X
Workplace and Internship Readiness: Preparing for Work & Life (Edmentum)			X	X
National Healthcareer Association Certification Preparation				X

## Industry Certifications Available

Pharmacy Technician





# Hospitality & Tourism



## Hospitality Management

CIP: 52.0909

Example Careers: Hotel Manager, Rental Management

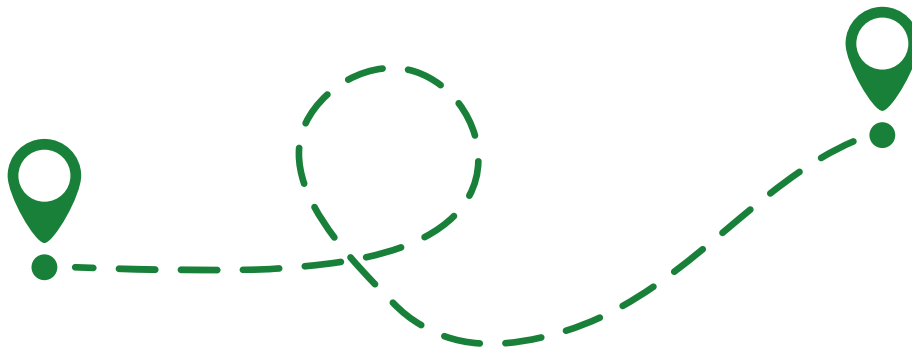
# Hospitality Management

## Suggested Course Path

	9th Grade	10th Grade	11th Grade	12th Grade
Professional Communications (ICEV)	X	X		
Principles of Hospitality & Tourism (ICEV)		X	X	
Hospitality Services (ICEV)		X	X	X
Hospitality & Tourism 1: Traveling the Globe (Edmentum)		X	X	X
Hospitality & Tourism 2a: Hotel and Restaurant Management (Edmentum)			X	X
Hospitality & Tourism 2b: Hotel and Restaurant Management (Edmentum)			X	X
Workplace and Internship Readiness: Preparing for Work & Life (Edmentum)			X	X

## Industry Certifications Available

NOCTI Hospitality Management - Lodging





# Human Services



## Culinary

CIP: 12.0503

Example Careers:

Chef, Baker, Entrepreneur, Food Inspector, Butcher



## Social Work

CIP: 44.0701

Example Careers:

Behavioral Health Specialist, Social Worker



## Cosmetology

CIP: 12.0413

Example Careers:

Hairdresser, Nail Technician

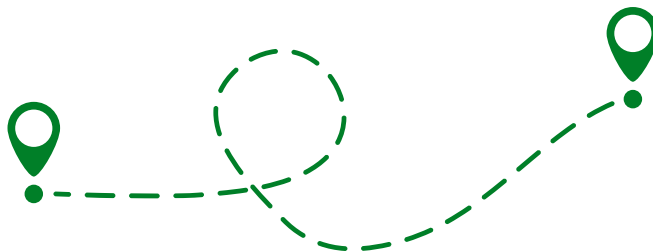
# Culinary

## Suggested Course Path

	9th Grade	10th Grade	11th Grade	12th Grade
COMP 101 Introduction to Computers (TMC)	X			
WOSK 101 Workplace Skills (TMC)	X	X		
CUL 101 Beginning Culinary (TMC)		X	X	
CUL 102 Intermediate Culinary (TMC)			X	X
CUL 103 Advanced Culinary (TMC)			X	X
Workplace and Internship Readiness: Preparing for Work & Life (Edmentum)			X	X
CUL 104 Culinary Capstone (TMC)			X	X

## Industry Certifications Available

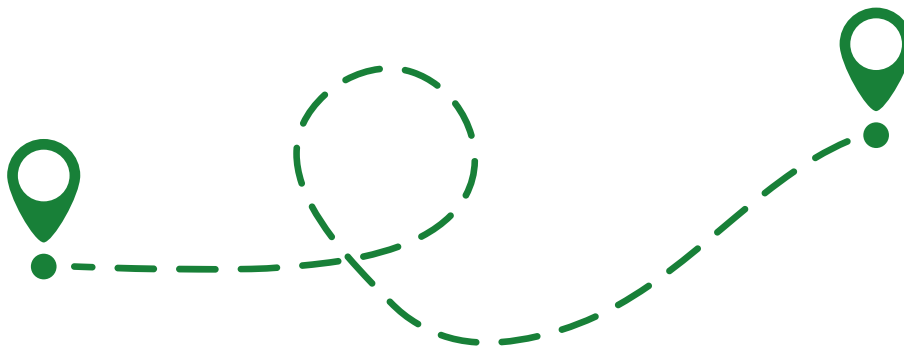
Certificate: Work Ready Culinary - The Millard College



# Social Work

## Suggested Course Path

	9th Grade	10th Grade	11th Grade	12th Grade
Human and Social Services 1: Introduction (Edmentum)	X	X		
Social Problems 1: A World in Crisis (Edmentum)	X	X		
Social Problems 1: A World in Crisis (Edmentum)		X	X	
Counseling & Mental Health (ICEV)		X	X	
Family & Community Services (ICEV)			X	X
Psychology (TMC)			X	X
Workplace and Internship Readiness: Preparing for Work & Life (Edmentum)			X	x



# Cosmetology

## Suggested Course Path

Cosmetology CIP: 12.0413	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
COMP 101 Introduction to Computers (TMC)		X			
Professional Communication (ICEV)		X			
Anatomy and Physiology (ICEV)		X	X		
Introduction to Cosmetology (ICEV)		X	X		
Infection Control & First Aid (ICEV)		X	X		
Hair Design (ICEV)			X	X	
Braiding, Hair Additions & Wigs (ICEV)			X	X	
Hair Coloring (ICEV)			X	X	
Haircutting (ICEV)			X	X	
Hairstyling (ICEV)			X	X	
Chemical Texturing (ICEV)			X	X	x
Trichology (ICEV)			X	X	X
Skincare Fundamentals I (ICEV)			X	X	X
Skincare Fundamentals II (ICEV)			X	X	X
Nail Technician (ICEV)			X	X	X
Personal & Professional Development (ICEV)			X	X	X
Employability & Salon Ownership (ICEV)			X	X	X

## Industry Certifications Available

KY Board of Cosmetology Licensure



# Information Technology



## Coding

Example Careers:

Computer Software Engineer, Database Developer, Computer Hardware Engineer, Computer Scientist, Web Developer, Computer Programmer, IT Project Manager



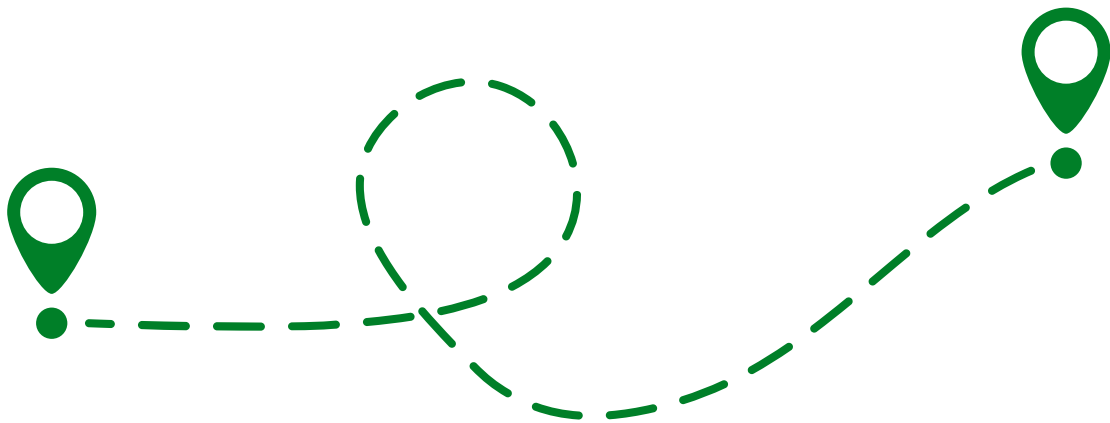
## IT Operations, Support, & Cybersecurity

Example Careers:

Computer Software Engineer, Database Developer, Computer Hardware Engineer, Computer Scientist, Web Developer, Computer Programmer, IT Project Manager

## Suggested Course Path

	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
COMP 101 Introduction to Computers (TMC)	X				
Computer Science (CS) Discoveries (Code.org)	X	X	X		
Computer Science (CS) Principles (Code.org)		X	X	X	X
AP Computer Science A (Code.org)			X	X	X





# IT Operations, Support, & Cybersecurity

## Suggested Course Path

IT Operations, Support, & Cybersecurity	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
COMP 101 Introduction to Computers (TMC)	X				
Computer Science (CS) Discoveries (Code.org) or	X	X			
Coding 1a: Introduction to Programming (Edmentum)		X	X		
Coding 1b: Programming (Edmentum)		X	X		
Cybersecurity 1a: Foundations (Edmentum)		X	X	X	X
Cybersecurity 1b: Defense Against Threats (Edmentum)					
CompTIA Fundamentals (ITF+)			X	X	X
CompTIA A+220-1101				X	X
CompTIA A+220-1102				X	X
Workplace and Internship Readiness: Preparing for Work & Life (Edmentum)				X	X

## Industry Certifications Available

CompTIA ITF+; CompTIA A+



# Law, Public Safety, Corrections & Security



## Law Enforcement Services

CIP: 43.0107.00

Example Careers:

Law Enforcement, Security Guard

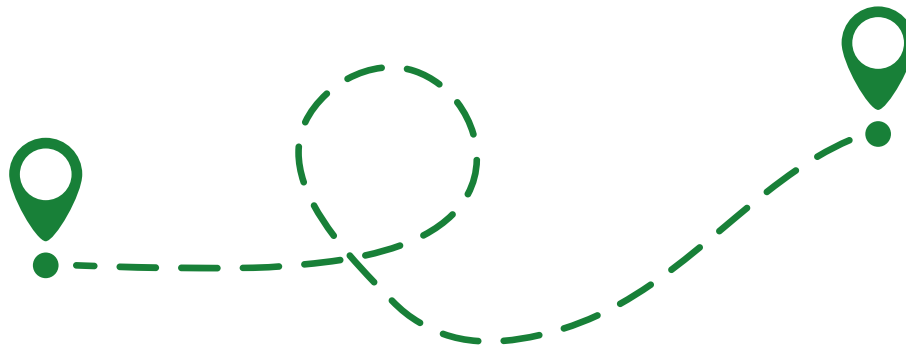
# Law Enforcement Services

## Suggested Course Path

	9th Grade	10th Grade	11th Grade	12th Grade
COMP 101 Introduction to Computers (TMC)				
WOSK 101 Workplace Skills (TMC)	X	X		
Professional Communications (ICEV)	X	X		
Principles of Law, Public Safety, Corrections & Security (ICEV)	X	X	X	
Law Enforcement I (ICEV)		X	X	
Law Enforcement II (ICEV)		X	X	
Court Systems & Practices (ICEV)		X	X	
Forensic Science (ICEV)			X	X
Workplace and Internship Readiness: Preparing for Work & Life (Edmentum)			X	X

## Industry Certifications Available

NOCTI Criminal Justice



Law, Public Safety, Corrections & Security



# Manufacturing



## Welding

CIP: 47.0303.06

Example Careers:

Welder, Pipefitter

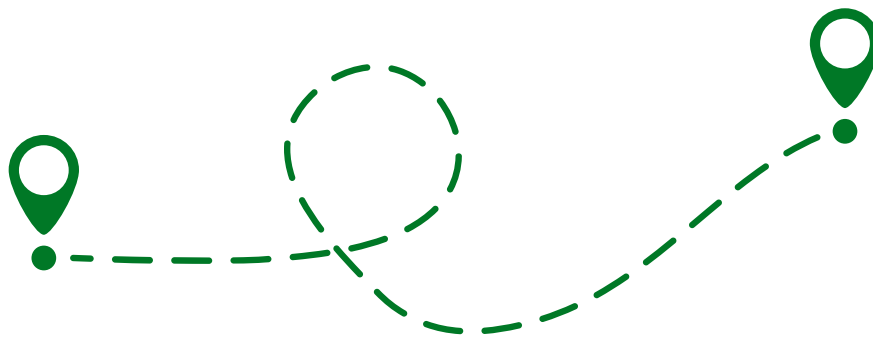
# Welding

## Suggested Course Path

	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
COMP 101 Introduction to Computers (TMC)	X	X			
WOSK 101 Workplace Skills (TMC)	X	X	X		
Introduction to Welding (ICEV)	X	X	X		
Welding I (ICEV)		X	X		
Welding II (ICEV)		X	X		
WEL 101 Beginning Welding (TMC)			X		
WEL 102 Intermediate Welding (TMC)			X		
WEL 103 Advanced Welding (TMC)				X	X
Workplace and Internship Readiness: Preparing for Work & Life (Edmentum)				X	X
WEL 107 Welding Capstone (TMC)					X

## Industry Certifications Available

TMC Work Reading Certificate: Welding; Welding Certifications with IKORCC





# Marketing



## Marketing

CIP: 52.1401.01

Example Careers:

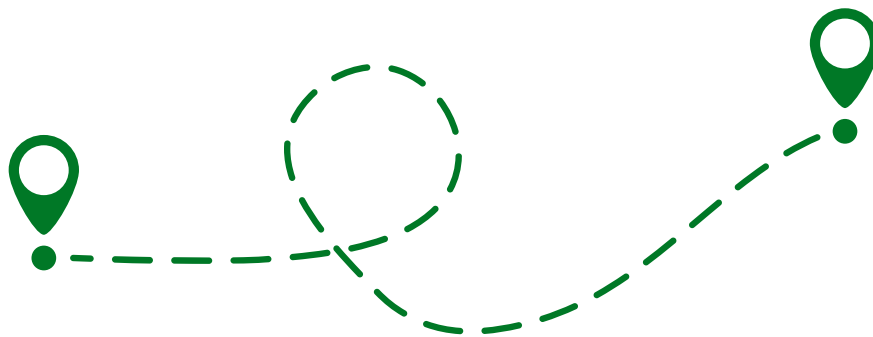
Marketing Director, Marketing Executive

## Suggested Course Path

	9th Grade	10th Grade	11th Grade	12th Grade
Professional Communications	X	X		
COMP 101 Introduction to Computers (TMC)	X	X		
Social Media Marketing (ICEV)	X	X	X	X
Advertising (ICEV)		X	X	X
Graphic Design & Illustration (ICEV)		X	X	X
Fashion Marketing (ICEV)		X	X	X
Retailing & E-tailing (ICEV)		X	X	X
Sports & Entertainment Marketing (ICEV)		X	X	X
Advanced Advertising (ICEV)			X	X
Entrepreneurship (ICEV)			X	X
Practicum in Marketing (ICEV)			X	X
Workplace and Internship Readiness: Preparing for Work & Life (Edmentum)			X	X

## Industry Certifications Available

National Retail Foundation - Rise Up - Retail Industry Fundamentals, Customer Service and Sales, Business of Retail AND Google Analytics Individual Certification (GAIC) or TestOut Office Pro





# Science, Technology, Engineering & Mathematics

## Suggested Course Path

Engineering Design and Development CIP: 14.0801

	9th Grade	10th Grade	11th Grade	12th Grade
Foundations of Technology and Engineering (EbD)	X			
Technological Design (EbD)	X	X		
AP Computer Science Principles by Design (EbD)	X	X	X	X
OnShape Certification by Design (EbD)	X	X	X	X
Advanced Design Applications (EbD)			X	X
Advanced Technological Applications (EbD)			X	X
Engineering Design (Capstone) (EbD)			X	X

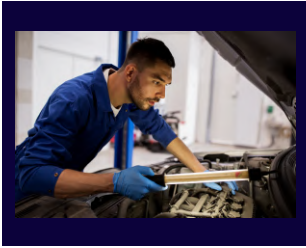


Science, Technology, Engineering & Mathematics





# Transportation, Distribution & Logistics



## Automotive Service Technician

CIP: 47.0604.02

Example Careers:

Auto Technician, Parts Dealer, Dispatcher, Service Manager,  
Customer Service Rep

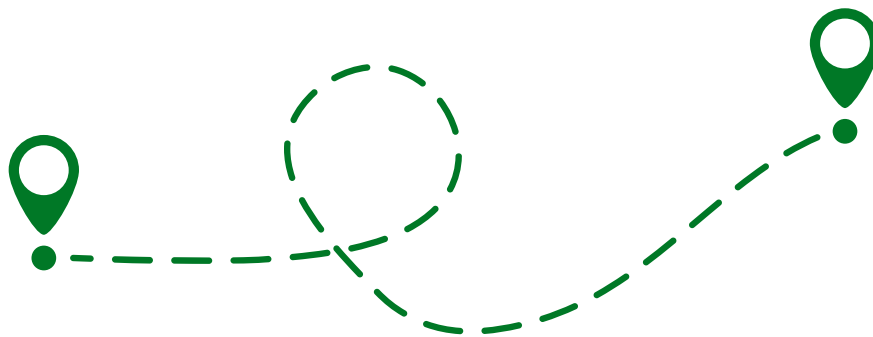
# Automotive Service Technician

## Suggested Course Path

	9th Grade	10th Grade	11th Grade	12th Grade
COMP 101 Introduction to Computers (TMC)	X	X		
WOSK 101 Workplace Skills (TMC)	X	X		
AUTO 101 Beginning Automotive (TMC)		X	X	X
AUTO 102 Intermediate Automotive (TMC)			X	X
AUTO 103 Advanced Automotive (TMC)			X	X
Workplace and Internship Readiness: Preparing for Work & Life (Edmentum)			X	X
AUTO 104 Automotive Capstone (TMC)			X	X

## Industry Certifications Available

ASE Certification & Work-Ready Automotive Certificate - The Millard College



Transportation, Distribution, & Logistics