



# **CAREER AND ACADEMIC PLANNING GUIDE**

2022-2023

CENTERVILLE HIGH SCHOOL

SCHOOL CODE: 160715

2022-2023 Course Registration  
General Information for Students  
**(Subject to change)**

This guide has been prepared to enable you to obtain an understanding of the high school curriculum. Brief descriptions of all courses offered for the 2022-2023 school year are included in the ***Centerville High School Course Planning Guide***. In some cases, the number of students registering for classes and/or availability of teachers will determine whether a course will be offered.

**Academic Planning for Post-Secondary Success**

One important factor in planning for future success is your academic planning. Three factors should play a part with your academic planning:

1. Choosing courses that will fulfill your graduation requirements.
2. Choosing courses that will help you explore your career interests.
3. Choosing courses that will meet your post-secondary needs.

**Centerville HS Graduation Requirements**- 48 Credits are required to graduate

❖ Language Arts-8 credits

- First Year: English 9 (2 Credits)
- Second Year: English 10 (2 Credits)
- Third Year: English 11 (2 Credits)
- Fourth Year: English (2 Credits)

Language Arts Electives: English 12, Grammar, Communications, Literature 1, Literature 2, IHCC Composition I, and IHCC Composition II. (Speech Electives-IHCC Fundamentals of Oral Communication or IHCC Public Speaking)

❖ Social Studies-6 credits

- Freshman: U.S. History I and II (2 Credits)
- Sophomore: World History (1 Credit)

Social Studies Credits Required: Sociology or Psychology(1 credit), Economics (1 credit) & Government (1 credit)

Social Studies Electives: Cultural Geography, World History II, and World Religions

- ❖ Science-6 credits
  - Freshman: Integrated Science (2 credits)
  - Sophomore: Biology (2 credits)
  - Science Electives: Chemistry, Physics, Environmental Science, Advanced Biology, Human Anatomy & Physiology I, Human Anatomy & Physiology II
- ❖ Mathematics- 6 credits of Math are required for graduation.
  - Pre-Algebra, Algebra I, Geometry, Algebra II, Math Analysis, Pre-Calculus, Statistics & Probability, and Consumer Math
- ❖ Physical Education- 4 credits
- ❖ Financial Literacy- 1 credit
- ❖ Electives-17 credits
- ❖ Total 48 credits

**NOTES:**

---

---

---

---

---

---

---

**REMEMBER**

Career exploration and planning is a continuous evolving process. It is okay to change your mind. It is okay not to know what you want to do for a career. As you learn more about yourself and about various careers, you will have a better understanding of what you enjoy doing and what possible career you want to pursue. You are embarking on an exciting journey to learn more about yourself and to explore career options!

## I. STANDARD DIPLOMA CREDIT REQUIREMENTS

	Credits
<u>English</u>	8
English 9	
English 10	
English 11	
+2 Semesters	
<u>Mathematics</u>	6
<u>Science</u>	6
Integrated Science	
Biology	
+ 2 Semesters	
<u>Social Studies</u>	
US History I and II	2
World History I	1
Psychology or Sociology	1
Economics	1
Government	1
<u>Physical Education</u>	4
<u>Financial Literacy</u>	1
<u>Electives</u>	17
<b>Standard Diploma Credits for Graduation</b>	<b>48</b>

## II. HONORS DIPLOMA CREDIT REQUIREMENT

	Credits
<u>English</u>	8
English 9	
English 10	
English 11	
English 12 or Comp I and II	
<u>Mathematics</u>	8
Must include Algebra II	
<u>Science</u>	8
Integrated Science	
Biology	
<i>Additional Science Courses Must Come from the Following Choices:</i>	
-Chemistry	
-Physics	
-Advanced Biology	
-Anatomy and Physiology	
-Approved College Level Science Course	
<u>Social Studies</u>	
US History I and II	2
World History I	1
Psychology and Sociology	1
Economics	1
Government	1
2 Social Studies Electives	2
<u>Physical Education</u>	4
<u>Financial Literacy</u>	1
<u>Electives</u>	17
<b>Honors Diploma Credits for Graduation</b>	<b>54</b>

## 2022-2023: CHS Course Offerings

### LANGUAGE ARTS

- \_\_\_ **English 9 (2)**
- \_\_\_ **English 10 (2)**
- \_\_\_ **English 11 (2)**
- \_\_\_ English 12 (2)
- \_\_\_ Applied English/English Composition 11-12 (1)
- \_\_\_ Communication (1)
- \_\_\_ Grammar (1)
- \_\_\_ Literature I (1)
- \_\_\_ Literature II (1)
- \_\_\_ IHCC Composition I
- \_\_\_ IHCC Composition II
- \_\_\_ Media Tech Yearbook(2)

### SOCIAL STUDIES

- \_\_\_ **US History I (1)**
- \_\_\_ **US History II (1)**
- \_\_\_ **World History I (1)**
- \_\_\_ World History II (1)
- \_\_\_ Cultural Geography (1)
- \_\_\_ World Religions (1)
- \_\_\_ **Economics (1)**
- \_\_\_ **American Government(1)**
- \_\_\_ **Psychology (1) or Sociology(1)**

### SCIENCE

- \_\_\_ **Integrated Science (2)**
- \_\_\_ **Biology(2)**
- \_\_\_ Environmental Science (2)
- \_\_\_ Chemistry (2)
- \_\_\_ Physics (2)
- \_\_\_ Advanced Biology (2)
- \_\_\_ Human Anatomy & Physiology I (1)
- \_\_\_ Human Anatomy & Physiology II (1)

### COMPUTER SCIENCE

- \_\_\_ Computer Science Principles (2)

### MATH

- \_\_\_ Algebra I A (2)
- \_\_\_ Pre-Algebra (2)
- \_\_\_ Algebra I (2)
- \_\_\_ Algebra II (2)
- \_\_\_ Geometry (2)
- \_\_\_ Math Analysis (2)
- \_\_\_ Pre-Calculus (2)
- \_\_\_ Statistics & Probability (1)
- \_\_\_ Consumer Math (1)

### PHYSICAL EDUCATION/HEALTH

- \_\_\_ PE (0.5)
  
- \_\_\_ Lifetime Fitness PE (0.5)
- \_\_\_ Ultimate Health (Zero Hour) (1)
- \_\_\_ Ultimate Health (0.5)
  
- \_\_\_ Student Wellness I (1)
- \_\_\_ Student Wellness II (1)

### VISUAL ARTS

- \_\_\_ Intro to Art (1)
- \_\_\_ Drawing & Watercolor (1)
- \_\_\_ Ceramics & Sculpture (1)
- \_\_\_ Graphic Design (1)
- \_\_\_ Independent Art I (1)
- \_\_\_ Independent Art II (1)

### Business/Computer

- \_\_\_ Intro to Business (1)
- \_\_\_ Business Computer Applications: Microsoft Office (1)
- \_\_\_ Audio and Video Production (1)
- \_\_\_ Financial Literacy (1)
- \_\_\_ IHCC Foundations of Entrepreneurship (1)
- \_\_\_ Marketing (1)
- \_\_\_ Employability Skills (1)
- \_\_\_ Work Based Learning (1)
- \_\_\_ IHCC Intro to Accounting (1)
- \_\_\_ IHCC Computer Accounting (1)

## 2021-2022: CHS Course Offerings

### WORLD LANGUAGE

- Spanish I (2)
- Spanish II (2)
- Spanish III (2)
- Spanish IV (2)
- IHCC Elementary Spanish I, II, III
- IHCC Intermediate Spanish I, II, III

### Fine Arts

- Band (2)
- Jazz Band (2)
- Concert Choir (2)

### ELECTIVES

- Cross Age Mentoring (1)
- Freshman Seminar (1)

### Applied Sciences (Industrial Arts)

- Woods I (1)
- Woods II (1)
- DMACC Project Lead The Way Introduction to Engineering (2)
- DMACC Project Lead The Way Principles of Engineering (2)
- General Metals (2)
- Machine Metals (2)
- Advanced Machine Metals (2)
- IHCC Machine Shop Practices (1)
- IHCC Machine Shop Operations (1)

### AGRICULTURE EDUCATION

- Intro to Ag (1)
- Animal Science (1)
- Crop Science (1)
- Ag Leadership (1)
- Agri Business (1)
- Ag Marketing and Sales (1)
- Food Science (1)
- Natural Resources (1)
- Horticulture I (1)
- IHCC Survey of Animal Industry (1)
- IHCC Principles of Horticulture (1)

### Family Consumer Science

- Exploring Hospitality and Tourism I (1)
- Into to Hospitality and Tourism I (1)
- Restaurant Management and Operations I (1)
- Exploring Hospitality and Tourism II (1)
- Intro to Hospitality and Tourism II (1)
- Restaurant Management and Operations II (1)

## **English/Language Arts**

### **ENGLISH 9 (Full Year 2 Credits) (REQUIRED)**

**GRADES 9-10-11-12**

English 9 is a one-year, required course. This course builds upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing. This course introduces and defines various genres of literature with writing exercises often linked to reading selections. Students will also continue to develop and improve their skills to think clearly and logically. Students will communicate through writing, listening, reading, and speaking. Each semester students read short stories, informational texts, speeches, seminal documents, and poems.

### **ENGLISH 10 (Full Year 2 Credits) (REQUIRED)**

**GRADES 10-11-12**

English 10 is a one-year, required course. This course offers a balanced focus on composition and literature. Through the study of various genres of literature, students can improve their reading comprehension and develop their skills in determining the author's intent and theme and in recognizing the techniques used by authors to deliver their message. This course is designed so students continue to organize and present their analysis and ideas clearly and logically through reading, writing, speaking, and listening within course units that contain short stories, informational texts, dramas, and poetry. Students will respond to these units primarily through claim-driven paragraphs and essays. Students will respond to these units primarily through claim-driven paragraphs and essays. Students will also have the chance to investigate future career possibilities as they research and write a formal research paper that utilizes MLA-style documentation. Students will also read the dramas *Julius Caesar* and *12 Angry Men*.

### **ENGLISH 11 (Full Year 2 Credits) (REQUIRED)**

**GRADES 11-12**

English 11 is a one-year, required course. This course continues to develop students' writing skills, emphasizing clear, logical writing patterns, word choice, and usage, as students write essays and begin to learn the techniques of writing research papers. Students continue to read works of literature, which often form the backbone of the writing assignments. Literary conventions and stylistic devices may receive greater emphasis than in previous courses. This course blends the study of American literature and composition. Students will experience formal writing including techniques of expository, descriptive, and persuasive writing. The literature core is multicultural and nonsexist and includes Native American, African American, Spanish, and Puritan literature as well as the female perspective and those with handicapping conditions. The time period of the literature studied ranges from 1500 to present. The content also includes American classics such as *The Crucible* and *The Great Gatsby*.

### **ENGLISH 12 (1 Semester or Full Year 1-2 Credits)**

**GRADE 12**

English 12 is a one semester elective course for students who are college and university bound. This course blends composition and literature into a cohesive whole as students write critical and comparative analyses of selected literature, continuing to develop their language arts skills. Typically, students primarily write multi-paragraph essays, but they may also write one or more major research papers, better preparing them for post-secondary educational opportunities. This rigorous course includes study of major English authors and the ideas they contributed to our civilization. Students will have an opportunity to perfect their writing ability so that they can write in a concise, knowledgeable way about literary and non-literary subjects. Attention will be given vocabulary building and competent research paper techniques.

**APPLIED ENGLISH/ENGLISH COMPOSITION 11-12 (1 Semester 1 Credit)****GRADES 11-12**

Applied English/English Composition 11-12 (Applied English) is a one-semester, elective course. This course is designed for students in grades 11-12 who are workforce focused and are looking to enter the workforce at or soon after graduation. In this course, students will learn how to analyze and to produce typical employment documents, business communication, office documents, and social media feeds that will include but not limited to letters of application, resumes, thank you letters, emails, memos, short reports, summaries, press releases, website scripts, office presentations, incoming and outgoing business call scripts, social media feeds. Students will also work on audience analysis, interviewing, speaking and listening, and adapting their tone and style for appropriate rhetorical purposes.

**IHCC COMPOSITION I (1 Semester 1 Credit)****GRADE 12**

**Prerequisite(s): Cumulative GPA of 3.0 or minimum ACT score of 20 or minimum SAT score of 780 or, minimum E-Write Essay Test score of 9 or minimum AccuPlacer Classic composite score of 200 or minimum AccuPlacer Next Generation composite score of 710 or Elements of Writing (ENG 101).**

IHCC Composition I is a one-semester course that emphasizes analytical writing skills and stylistic competence developed through source-and non-source based essays. Students will write at least four 800-1000 word essays, including 3-5 source-based essays and no more than one non-sourced essay. Students will respond to written and visual texts drawn from diverse sources and will use documentation correctly. Emphasis will also be placed on essay structure, grammatical correctness, and development of a professional voice through writing.

**IHCC COMPOSITION II (1 Semester 1 Credit)****GRADE 12**

**Prerequisite: IHCC Course ENG105 (College Composition I)**

IHCC Composition II is a one-semester course that introduces the student to the process of research writing using the Modern Language Association (MLA) documentation style. "The focus of this course is to enable the student to locate, to evaluate, and to use research to produce correctly documented research essays." A thesis-driven argumentative essay and a thesis-driven report paper, both documented in MLA style, will demonstrate the student's proficiency with the research process. Students will produce approximately 20-30 pages of academic writing.

**COMMUNICATIONS (1 Semester 1 Credit)****GRADES 11-12**

Communications is a one-semester, elective course. This course focuses on the application of written and oral communication skills through a variety of formal and informal experiences. This course is performance-based and emphasizes effective interpersonal and team-building skills. This course may also involve the study of how interpersonal communications are affected by stereotypes, nonverbal cues, vocabulary, and stylistic choices. In this course, students will learn to communicate effectively and clearly. They will understand the practices and principles of interpersonal communication. Upon completion, students should be able to demonstrate interpersonal communications skills, apply basic principles of group discussion, and manage conflict in interpersonal communication situations.



**MEDIA TECH (1 Semester or Full Year 1-2 Credits)****Grades 9.10.11.12**

Media Tech is a one semester elective course. This course gives students responsibility for creating and publishing the yearbook and all responsibilities that come with the yearbook, including but not limited to photography, marketing, design, meeting deadlines, writing captions, and articles, collaborating, etc. Media Tech can be taken for 2 years.

**GRAMMAR (1 Semester 1 Credit)****GRADES 11-12**

Grammar is a one-semester, elective course. This course is designed for students in grades 11-12 who need to work on the fundamentals of writing. The purpose of the course is to provide instruction in basic language skills while placing emphasis on the progress of individual students. Course content depends upon students' abilities and may include vocabulary building, improving spelling and grammar, and developing writing and composition skills. The course is designed to develop grammar skills to improve student writing. The course begins with a review of the parts of speech; further topics covered are capitalization, punctuation, spelling and sentence structure and fluency. Basic writing assignments will also give students opportunities to practice using the elements of grammar to construct sentences and paragraphs.

**LITERATURE 1 (1 Semester 1 Credit)****GRADES 11-12**

This course offers the opportunity for students to study and reflect upon themes presented in the body of literature being presented. Students improve their critical-thinking skills as they determine the underlying assumptions and values within the reading section and as they understand how the work reflects society's problems and culture. Oral discussion is an integral part of literature courses and written compositions are often required. The reading selections include classics, contemporary fiction, short stories/essays, plays and poems students should read before (or during) college.

**LITERATURE 2 (1 Semester 1 Credit)****GRADES 11-12**

This course offers the opportunity for students to study and reflect upon themes presented in the body of literature being presented. Students improve their critical-thinking skills as they determine the underlying assumptions and values within the reading section and as they understand how the work reflects society's problems and culture. The reading selections include sci-fi/fantasy, historical fiction, and mystery/thriller.

## **Mathematics**

### **PRE-ALGEBRA (Full Year 2 Credits)**

**GRADES 9-10-11**

Pre-Algebra is designed to identify and fill gaps of previous knowledge and algebraic reasoning. Content includes work with ratios and proportional reasoning, understanding, and solving numeric and algebraic expressions, and understanding and solving algebraic equations and inequalities.

### **ALGEBRA A (Full Year 2 Credits)**

**GRADES 9-10**

The first part in a multipart sequence of Algebra I. This course generally covers the same topics as the first semester of Algebra I, including the study of properties of rational numbers (i.e., number theory), ratio, proportion, and estimation, exponents and radicals, the rectangular coordinate system, sets and logic, formulas, and solving first-degree equations and inequalities. Specific content depends upon state standards.

### **ALGEBRA B (Full Year 2 Credits)**

**GRADES 10, 11, 12**

**Prerequisites: Algebra A**

The second part in a multipart sequence of Algebra I. This course generally covers the same topics as the second semester of Algebra I, including the study of properties of the real number system and operations, evaluating rational algebraic expressions, solving and graphing first-degree equations and inequalities, translating word problems into equations, operations with factoring of polynomials, and solving quadratics. Specific content depends upon state standards.

### **ALGEBRA I (Full Year 2 Credits)**

**GRADES 9-10-11-12**

Algebra I guide students through the process of developing their mathematical abilities by helping them experience a pattern of successful learning that builds self confidence. Students review fundamental concepts: variables, properties of operations and integers and their opposites. Algebra also places emphasis on functions, equations & inequalities, algebraic expressions, rate of change and recursion.

### **GEOMETRY (Full Year 2 Credits)**

**GRADES 9-10-11-12**

Geometry is the study of shape. In Geometry students will examine the properties of and relationships among shapes (including two and three-dimensional shapes), location of shapes, transformations of shapes, special shapes (such as circles and triangles, leading to trigonometry), and reasoning about shape including geometric proof. Students will learn to use electronic tools of Geometry. A scientific or graphing calculator will be necessary.

### **STATISTICS AND PROBABILITY (1 Semester 1 Credit)**

**GRADES 11-12**

**Prerequisites: Algebra I, Geometry**

Statistics and Probability is a one-semester course, which meets daily and is designed for juniors and seniors, especially those not pursuing or needing Calculus in a post-secondary setting. This course can be scheduled in consecutive semesters. Students will work with probability, data collection, descriptive and inferential statistics, probability, and technological tools to analyze statistics. The main focus of the course will be exploring data, planning a study, producing models using probability theory, and making statistical inferences. Students will work with statistical measures of centrality and spread, methods of

data collection, methods of determining probability, binomial and normal distributions, hypothesis testing, and confidence intervals. Students will use multiple representations to present data including written descriptions, numerical statistics, formulas, and graphs.

**DATA SCIENCE (1 Semester 1 Credit)**

**GRADES 11-12**

**Prerequisites: Algebra I, Geometry**

This curriculum will introduce students to the main ideas in data science through free tools such as Google Sheets, Python, Data Commons, and Tableau. Students will learn to be data explorers in project-based units, through which they will develop their understanding of data analysis, sampling, correlation/causation, bias and uncertainty, probability, modeling with data, making and evaluating data-based arguments, the power of data in society, and more! At the end of the course students will have a portfolio of their data science work to showcase their newly developed abilities.

**ALGEBRA II (Full Year 2 Credits)**

**GRADES 10-11-12**

**Prerequisites: Algebra I, Geometry**

Algebra II is a two-semester course, which meets daily and is for those students who have successfully completed Algebra I and Geometry. This course is designed to build on prior algebraic and geometric concepts. It develops advanced algebra skills focusing on the study of sequences, polynomial functions, rational functions, complex numbers, exponential functions, transformations of functions and trigonometric functions. The content of this course is important for student success on both ACT and college mathematics entrance exams. Students who complete this course are encouraged to take either Math Analysis (for students NOT NEEDING calculus in their post-secondary education), Pre-Calculus (for students NEEDING calculus in their post-secondary education) or Statistics and Probability with Consumer Math in consecutive semesters of study.

**CONSUMER MATH (1 Semester 1 Credit)**

**GRADE 11-12**

Consumer Math is a one-semester course designed to give students practical financial skills encountered in everyday life. Course content follows the Financial Literacy standards on topics that include checking accounts, borrowing money and figuring interest, savings and personal investments, and budgeting. This class can be taken for only one of the following requirements: Financial Literacy credit, math credit, or an elective credit.

**PRE-CALCULUS (Full year 2 Credits)**

**GRADES 11-12**

**Prerequisites: Algebra II**

Pre-Calculus is a two-semester course, which meets daily and is designed for juniors and seniors. Prerequisites are successful completion of Algebra, Geometry, Algebra II (a performance of C- or better is suggested but not required). Advanced mathematics is the foundation for higher-level courses in math related fields. In our technological society, many vocations and careers require the knowledge of advanced mathematics.

The goal of this course is to prepare students with a sound background directed towards the study of Calculus as the student prepares to enter college. Pre-Calculus combines the trigonometric, geometric, and algebraic techniques needed to prepare students for the study of calculus, and strengthens students'

conceptual understanding of problems and mathematical reasoning in solving problems. Grasping these topics is especially important for students intending to study calculus, physics, and other sciences, and/or engineering in college.

## **Science**

### **INTEGRATED SCIENCE (Full Year 2 Credits) (REQUIRED)**

**GRADES 9-10-11-12**

This course is an introductory level course aimed at 9th grade students. The course will introduce topics (Earth, Chemistry, and Physics) to students that they will learn in more detail throughout their high school careers. This is done through a variety of teaching methods which include: labs, group and individual activities, as well as discussions. Assessment of students will be done through class participation, group and individual projects, labs, homework, quizzes, and tests.

### **BIOLOGY (Full Year 2 Credits) (REQUIRED)**

**GRADES 10-11-12**

Biology is the study of living things. This course will provide the basic knowledge for all students to understand the main characteristics of living things by learning concepts. The scientific method will be used throughout the course. Biological molecules and functions of cells will be discussed in detail. Also, genetics, ecology and evolution will be addressed. This study will prepare students for Advanced Biology, Anatomy, Physiology, and Chemistry.

### **ADVANCED BIOLOGY (Full Year 2 Credits)**

**GRADES 11-12**

**Teacher Recommendation Required**

**Prerequisite: Successful Completion (B or better) in Biology and (B or better) in Chemistry**

The course includes an indepth look into the science topics of, the characteristics of life, ecology, cell structure and function, chemistry of life, metabolism, cell division and reproduction, genetics and heredity and evolution by natural selection. Laboratory work includes the use of laboratory tools and metric system measurements, use of the light microscope, observations of cells and studies of the scientific method, ecology, enzyme activity, cellular respiration, molecular biology and Mendelian genetics.

### **OUR ENVIRONMENT (Full Year 2 Credits)**

**GRADES 11-12**

**Prerequisite: Biology**

The aim of this course is to increase student knowledge of the environmental challenges of today, while continuing to cultivate scientific critical thinking skills. A year long course designed to show thematic connections between a variety of science disciplines. It gives students a coherent and realistic picture of a variety of scientific concepts and how they manifest in our environment.

### **CHEMISTRY (Full Year 2 Credits)**

**GRADES 11-12**

**Prerequisite: C or Better in Algebra I-Class will have supply expenses**

An introductory course where the subject matter is both descriptive and theoretical. The modern atomic theory includes information concerning the structures and properties of atoms, the kinds of compounds they form, and the properties of these compounds.

Chemistry is a subject taught with the ultimate objective of stimulating student intellectual development at the formal operational level, to grasp complex relationships within mathematics and science.

Chemistry is a laboratory science to use techniques in handling chemicals safely. Experiments of comparing, correlating, or interrelating new information with existing mental structures.

This course requires a commitment from the students to take relevant notes, attend class consistently, and allow time daily for completion of assignments.

**PHYSICS (Full Year 2 Credits)**

**GRADES 11-12**

**Prerequisites: Algebra II and successful completion or concurrently taking Pre-Calculus.**

Physics is the science that deals with the interactions of matter and energy. Mechanics, acoustics, optics, heat, electricity, magnetism, radiation, force, work, and energy, are all topics dealt with in physics.

The course uses logic and mathematics as tools to quantify and describe everyday events like electricity, pressure, force, and light into formulas that can be used to predict results and make decisions. Labs are designed to show how the formulas apply to what actually happens.

**HUMAN ANATOMY & PHYSIOLOGY I (First Semester 1 Credit)**

**GRADES 11-12**

**Prerequisite: Satisfactory Completion (B+ or Better) of Biology. Chemistry can be taken concurrently.**

This course provides a basic study of the structure and function of the human body. Students should be able to demonstrate a basic understanding of the fundamental principles of anatomy and physiology and their interrelationships from the chemical and cellular levels through the organ systems.

Lab covers the lecture topics to confirm anatomical structure of tissues, bones and muscles and the physiological processes of the cardiovascular, respiratory, urinary, and nervous and digestive systems.

**HUMAN ANATOMY & PHYSIOLOGY II (Second Semester 1 Credit)**

**GRADES 11-12**

**Prerequisite: Human Anatomy & Physiology I (Chemistry can be taken concurrently)**

This course is a continuation of Human Anatomy & Physiology. Students should be able to demonstrate a basic understanding of the fundamental principles of anatomy and physiology and their interrelationships from the chemical and cellular levels through the organ systems.

Lab covers the lecture topics to confirm anatomical structure of tissues, bones and muscles and the physiological processes of the cardiovascular, respiratory, urinary, and nervous and digestive systems.

## **Computer Science**

**Computer Science Principles**

**GRADES 9-10-11-12**

Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. Computer Science Principles covers many topics including the Internet, Big Data and Privacy, and Programming and Algorithms.

## **Social Studies**

### **U.S. HISTORY I (First Semester 1 Credit) (REQUIRED)**

**GRADES 9-10-11-12**

This course will deal with the time period starting at the end of the Civil War (1865), and cover topics such as the Trans-Mississippi West, Industrialization, Imperialism, the Gilded Age, the Progressive Era, and finish up with World War I. This course is required for all 9th graders and will be offered 1st semester only.

### **U.S. HISTORY II (Second Semester 1 Credit) (REQUIRED)**

**GRADES 9-10-11-12**

Continuing where U.S. History I left off, this course starts in 1920 and will cover topics such as the Great Depression, World War II. This course will be for 9th graders and will be offered during the 2nd semester only.

### **WORLD HISTORY I (1 Semester 1 Credit) (REQUIRED)**

**GRADES 10-11-12**

This course introduces the student to the early civilizations of the ancient world advancing through the classical Greek and Roman periods, the fall of Rome, the rise of the major world religions, the emergence of the feudal system in medieval Europe, and terminate with the Renaissance. The course incorporates the Iowa Core for Social Studies Essential Concepts and Skills for Geography as well as the Iowa Core for Social Studies Essential Concepts and Skills for History. This course is suggested for all 10th graders and will be offered in both 1st and 2nd semester.

### **WORLD HISTORY II (Second Semester 1 Credit)**

**GRADES 10-11-12**

Beginning with the period immediately following the Renaissance, students will move through absolutism, the Scientific Revolution, the Enlightenment and Early Modern period, the French Revolution, Mercantilism, and Imperialism, up to the First World War. This is an elective that is offered 2nd semester only.

### **CULTURAL GEOGRAPHY (1 Semester 1 Credit)**

**GRADES 10-11-12**

This course will focus on the geography and the developmental history of civilizations that have made major impacts in the formation of the modern day world's cultures. Through our course of study we will look at the geography, heritage, transitions, and the current conditions of various world nations. This course is intended to broaden the knowledge base of students concerning major events and trends among the world. The linking of the past and present will give students a broad perspective on the development of Western and non-Western societies. May make exceptions for qualified freshmen.

### **WORLD RELIGIONS (1 Semester 1 Credit)**

**GRADES 10-11-12**

This course will focus on the 5 major World Religions, as well as numerous cults and alternative methods of worship. This class will be taught from a historical and factual point of view. There will be no focus on any one religion, but a broad overview of each one. We will research each religion's creation, evolution and major ideas. Religions studied will be the following; Hinduism, Judaism, Buddhism, Christianity and Islam.

**GOVERNMENT (1 Semester 1 Credit) (REQUIRED)****GRADE 11-12**

Government is a required one-semester course. As opposed to traditional courses on the structure of government, this course seeks to explain how and why people behave politically in the various aspects of life. Specific topics include the use of scientific polls, political culture and socialization, the three branches, the nature of political parties, and state and local governments.

**ECONOMICS (1 Semester 1 Credit) (REQUIRED)****GRADES 10-11-12**

Economics is a one-semester course available to sophomores, juniors and seniors. It touches on many aspects of the discipline with a special concentration in supply/demand/price relationships, money, inflation and Austrian business cycle theory, and entrepreneurship in the marketplace. Grades 11 and 12 will have priority.

**Must choose one or both of the courses below. You must take at least one for graduation requirements.**

**PSYCHOLOGY (1 Semester 1 Credit) (REQUIRED)****GRADES 11-12**

This one-semester introductory level psychology will provide students with a historical background of psychology, introduce approaches to understanding people (motivation, personality, etc.), examine how and why people develop and learn, examine normal and abnormal behaviors, show relevance to everyday human experience, explore cultural differences, and why they are different (cultural diversity).

**SOCIOLOGY (1 Semester 1 Credit) (REQUIRED)****GRADES 11-12**

Sociology is essentially the study of Human behavior and Social Structures. In this one semester class we will examine social phenomenon from an academic perspective looking for patterns of social interaction and how those interactions influence human behavior. Through a variety of methods students will explore different sociological ideas from an education perspective in order to develop their own social perspectives and critical thinking skills.



## **Business**

### **Business Computer Applications: Microsoft Office (First Semester 1 Credit) GRADES 9-10-11-12**

**Prerequisite: None**

Business Computer Applications is a course designed to teach students how to use the computer as a business and personal tool. Application software such as Microsoft Office and Adobe will be used to create quality business and personal documents including word processing, spreadsheets, presentations, graphics, and database management.

### **Audio and Video Production (Second Semester 1 Credit)**

**GRADES 9-10-11-12**

**Prerequisite: None**

Audio and Video Production is a course designed to teach students how to use application software to create, edit, and publish a variety of audio and visual media projects. Students will use Audacity, Adobe, and Filmora to create functional podcasts, vlogs, and video creations.

### **INTRODUCTION TO BUSINESS (1 Semester 1 Credit)**

**GRADES 9-10-11-12**

This is a basic business course designed to acquaint students with the activities associated with a business. Students will gather a basic understanding of general business, economics, entrepreneurship, business communications, business ethics, and the government's role in business, marketing, and business finance. Overall, the course gives students a broad exposure to business operations and a solid background for additional business courses.

### **FINANCIAL LITERACY (1 Semester 1 Credit) (REQUIRED)**

**GRADES 9-10-11-12**

Personal financial literacy course is designed to alert, inform, and educate students in concepts of personal finance and money management. Students will begin to develop the skills and strategies that promote personal and financial responsibility related to financial planning, savings, investment, and charitable giving in the global economy. This course will start students on a path toward being in control of their financial futures. Five broad topics will be the foundation of the course: college and career planning, money management, savings and investing, income and spending. The course will teach students to search and assess college and career opportunities, identify and prioritize their personal money management goals, develop personal spending and savings plans, comprehend the impact of time on the value of money, understand the cost using credit, and protect assets.

### **IHCC FOUNDATION OF ENTREPRENEURSHIP (1st Semester 1 Credit) GRADES 10-11-12**

This course is suitable for anyone who dreams of one day becoming his/her own boss. Students will learn how to identify and evaluate opportunities, analyze feasibility, and plan to create and grow successful businesses. The course provides an overview of entrepreneurship and its importance in society and inspires students to recognize entrepreneurial characteristics within themselves. This course combines practical skills with relevant theory to prepare students to think like entrepreneurs. The primary focus is on new venture creation, with a secondary benefit of preparing students to become entrepreneurial employees with existing firms.

**MARKETING (1 Semester 1 Credit)****GRADES 10-11-12****Prerequisite: Introduction to Business**

Marketing students will examine activities in marketing and business important for success in marketing employment and postsecondary education. Students will learn how products are developed, branded, and sold to businesses and consumers. Students will analyze industry trends and gain hands-on experience in the marketing of goods, services, and ideas. Topics will include professionalism in the workplace, product planning and positioning promotion, pricing selling, economic issues, and the impact of technology on the marketplace. **\*2nd Semester Only**

**EMPLOYABILITY SKILLS (1 Semester 1 Credit)****GRADES 10-11-12**

This course will provide instruction in general employability skills as well as the prerequisite skills for general employability. Students will complete assignments focused on their individual career targets, while developing successful lifetime job skills and career management tools. Students will also learn job search techniques, such as completing employment applications, preparing letters of application and resumes, and participation in mock interviews and job shadows. This course is designed to guide students through learning workplace readiness skills that can be transferable among a variety of jobs and careers and are considered essential in any employment situation.

**WORK BASED LEARNING (100-135 Hours/2 Credits)****GRADES 11-12****Prerequisite: Employability Skills**

WBL is an extended learning opportunity that provides students with real-life work experiences where they can apply academic and technical skills to help develop employability skills. WBL experiences provide all students the opportunity to develop and apply knowledge, skills, and employability attitudes and behaviors leading to better informed career choices and productive employment. Types of WBL opportunities include: job shadows, mentorships, service learning, internships, on-the-job training/cooperative work experiences, pre-apprenticeships, and registered apprenticeships.

**IHCC INTRO TO ACCOUNTING I (1 Semester 1 Credit)****GRADES 10-11-12**

This is a one semester introductory course in double entry accounting procedures. Students will learn to keep financial records for a service business organized as a sole proprietorship. Principles covered include the bookkeeping cycle, debit/credit theory, financial statements, use of various journals and ledgers, worksheets, accounts receivable and payable, and payroll systems. Computers will be used for simulation and projects.

**IHCC COMPUTER ACCOUNTING (2nd Semester 1 Credit)****GRADES 9-10-11-12**

This course is designed to provide students with hands-on accounting on the computer using Quickbooks and will incorporate the fundamentals of accounting and how it relates to computers. Prior knowledge of accounting procedures helpful, but not necessary (ACCOUNTING I is highly recommended in order to be highly successful).

## **Applied Sciences (Industrial Arts)**

*Industrial technology is a part of our modern and expanding technology. This technology includes the entire material progress of our civilization from the first stone used as a hammer by primitive man to the complex satellites, which orbit the earth today. Industrial technology courses will help prepare the student for elective living and intelligent citizenship in our industrial society. The following courses will provide educational shop experience, which deals with materials, processes, products, occupations, and problems of the industrial world.*

### **WOODS I (1 Semester 1 Credit)**

**GRADES 9-10-11-12**

General Woodworking is an introductory course offered to all students. The course is designed to provide students with a variety of experiences in cabinet making through the production of a required project: a mantel Clock. Examples of the skills and knowledge the student will gain are:

Wood and wood materials  
Measurement and layout  
Uses of machine and hand tools  
Fasteners  
Related careers in industry

Design and planning  
Safety of machine and hand tools  
Joinery  
Finishes

Proper planning, problem solving, and organization are stressed throughout this course. There is a \$40 shop fee for this class.

### **WOODS II (1 Semester 1 Credit)**

**GRADES 9-10-11-12**

**Prerequisite: Woods I**

Woodworking II is a semester course. The course is designed to continue and build on the skills and knowledge learned from Woods I. Students will continue to use design, planning, safety, problem-solving, critical thinking, and machine and tool usage. Students will be assigned a bookcase project. Students will have to pay for material used (approximate cost will be \$60 minimum).

### **DMACC PROJECT LEAD THE WAY INTRODUCTION TO ENGINEERING (Full Year 2 Credits)**

**GRADES 9-10-11-12**

Introduction to Engineering course is designed for students to experience the engineering mindset, how engineers design, develop, and communicate. The course allows students to engage in the design process. Some of the highlights, in the class, are learning the designing of products, problem-solving, and visualization. The class will explore communications of engineers, which entails Computer Aided Drafting and Designing (CADD) and solid modeling. Students will learn about forces, automation, physics for engineers, and automation for designing. The class is a dual credit course with DMACC.

**DMACC PROJECT LEAD THE WAY PRINCIPLES OF ENGINEERING (Full Year 2 Credits)  
GRADES 10-11-12**

**Prerequisite: Algebra I \*PROJECT LEAD THE WAY Intro to Engineering recommended but not required**

Principles of Engineering explores engineering physics covering the physics and principles that engineers use in industry and our daily lives. Students will explore simple machines and their mechanical advantages; plus, engage in learning and discussing energy sources and their applications. This course will investigate materials and their structures. Students will investigate statics and explore forces on the stationary or static structures. Students will learn control systems while applying their learning to VEX robotics and programming. This class is a concurrent credit course with DMACC.

**GENERAL METALS ( Full Year 2 Credits)**

**GRADES 9-10-11-12**

General Metals is a full year course that is open to freshmen, sophomore, junior and senior students. It is a prerequisite to the Machine Metals course.

General Metals is a laboratory course. The major emphasis of study and activity is centered in the areas of sheet metal, welding, and introductory machining. The first course is devoted to basic concepts of metal processing, blueprint reading, precision measuring, laying out designs, and fundamentals of metalworking tool application.

**MACHINE METALS (Full Year 2 Credits)**

**GRADES 10-11-12**

Machine Metals is a full year course, open to sophomore, junior, and senior students that have successfully completed General Metals.

Machine Metals is a laboratory course. The major emphasis of study and activity is developed around the basic metalworking machines, such as the lathe, vertical and horizontal mill, drill press, tool grinder, and computer operated machines (CNC).

Welding is continued from General Metals with the inclusion of TIG welding, MIG welding and plasma cutting.

The information and activities associated with the machinist trades is the focus of this course. Students experience the mathematics, science, and skills required to set up, maintain and operate metalworking machines. Required setups and machining exercises account for a major portion of the students' time.

**ADVANCED MACHINE METALS (Full year 2 Credits)**

**GRADES 11-12**

Advanced Machine Metals is a full year course, open to juniors and seniors who have successfully completed General and Machine Metals courses.

This project-oriented lab class involves machining parts on the lathe, vertical, and horizontal-milling machine.

**IHCC MACHINE SHOP PRACTICES (1st Semester 1 Credit)**

**GRADE 12**

This course covers safety in machine shops, environmental safety, measurement layout, inspection, setup, basic bench work practices and non-traditional machining processes.

**IHCC MACHINE OPERATIONS (2nd Semester 1 Credit)**

**GRADE 12**

This project-oriented lab is the first class in the machining series. The operations involve machining parts utilizing lathe, vertical milling machine, drill press, surface grinder, shaper, pedestal grinder and band saw.

## **Fine Arts**

*The visual arts program is for students who are interested in Art either for pleasure or as a career. The primary purposes are:*

- (1.) Introduce students to the basic areas of art: criticism, aesthetics, history and production.*
- (2.) Enhance their interest in these areas and allowing more free time to work in the artist's interest area.*
- (3.) Allow the advanced students to find and explore the art media that interests them. This exploration takes place in the junior and senior years.*
- (4.) Instill respect, pride, responsibility, accountability, and creativity in art students.*

### **INTRODUCTION TO ART (1 Semester 1 Credit)**

**GRADES 9-10-11-12**

Introduction to Art is open to all high school students interested in the visual arts and is a **prerequisite for all other art classes**. This course gives a student the opportunity to discover art and enhance their abilities. It is designed to provide basic background in:

1. Encouraging creative expression of visual arts.
2. Developing skills in making personal art.
3. Building artistic confidence.
4. Experiencing different art media.

Areas worked in will include drawing, painting, color mixing, design, ceramics and oil pastels, to name a few. Areas investigated will be color, shape, form and space.

### **DRAWING/WATERCOLOR PAINTING (1 Semester 1 Credit)**

**GRADES 10-11-12**

**Prerequisite: Intro to Art**

This course is designed for further creativity and experimenting with drawing materials and watercolors. Drawing with pencil and charcoal, are among the drawing tools to be used. Emphasis will be on the use of form, shape, texture, value, and contrast to create drawings of interest.

In watercolor, students will learn about watercolor washes, wet/dry application, and sponge application. Several opportunities will be provided to experiment with watercolor.

Class will be divided equally between drawing and painting.

### **ACRYLIC AND OIL PAINTING (1 Semester 1 Credit)**

**GRADES 10-11-12**

**Prerequisite: Intro to Art**

Creativity and experimentation with acrylic paint or a painting medium that is water base (latex and tempera) are the basic components of Acrylic and Oil Painting class. Students will mix colors, blend colors, paint details, layer paint, and learn to dry brush when appropriate. Painting with freedom and without fear is a goal.

Students will be expected to express themselves on assigned projects and independent projects. Students will be allowed the possibility to explore oil paint. Art History will also be explored.

**CERAMICS (1 Semester 1 Credit)****GRADES 11-12****Prerequisite: Intro to Art**

Ceramics is designed to introduce students to the three-dimensional aspects of art through the use of clay. Ceramic students will work with clay and explore the constructive possibilities through basic building principles of: pinch, slab, coil, and throwing. The use of ceramic glazes and the basic knowledge of an electric kiln are important to the class. Exploring ways to create with clay and decorating clay pieces are key to the course. Students should **NOT** be afraid to get their hands dirty! Art History will also be explored.

**GRAPHIC DESIGN (1 Semester 1 Credit)****GRADES 11-12****Prerequisite: Intro to Art**

Graphic Design is a computer class that will be similar to a college course and students must be self-motivated. During the semester, students will explore the techniques, tools, and processes used in the creation of graphic design. Experimentation with a variety of illustration techniques and design media is the norm. Adobe PhotoShop and Adobe Illustrator will be used to create projects. We will learn the elements and principles of design along with creating projects such as logo designs, business cards, and product designs. This class requires note taking, sketching and knowledge of computers.

If the student has not passed a computer class at Centerville High School, the student must get prior approval from the instructor and demonstrate numerous computer competencies. Students will use Schoology to turn in projects for printing. A portfolio will be expected at the end of the semester of all printed work.

**INDEPENDENT ART I (1 Semester 1 Credit)****GRADE 12****Prerequisite: Intro to Art, Drawing & Watercolor, Acrylic & Oil Painting, Ceramics**

Students with a strong interest in the arts and a desire for more independent time to create personal work will thrive in Independent Art I. The main interest of the course is to allow students more time to work in their area of expertise. Criticism and aesthetics will be explored in this class. Students are expected to have a grade point of 3.00 or "B" in their art courses. A written contract is expected for this class of what the student wishes to accomplish. Although this class is called "Independent Art" this is a normal class period within the school day.

**INDEPENDENT ART II (1 Semester 1 Credit)****GRADE 12****Prerequisite: Intro to Art, Drawing & Watercolor, Acrylic & Oil Painting, Ceramics**

This course is a combination of Independent Art for students with an interest in visual arts. Students are expected to have a grade point of 3.00 or "B" in their art courses. A written contract is expected for this class of what the student wishes to accomplish in their expertise area. Although this class is called "Independent Art" this is a normal class period within the school day.

## **World Language**

*Students should consider studying a world language to benefit in travel, to help understand other cultures, as an aid in vocations in an expanding global society, and as a preparation for advanced study. Students planning to go on to college should consider taking at least two years of foreign language study. Students must have a strong desire to learn and willingness to take responsibility for their own work.*

### **SPANISH I (Full Year 2 Credits)**

**GRADES 9-10-11-12**

Students will learn the basics of Spanish through speaking, writing, listening and reading. In addition to the basics of grammar, students will learn about the diverse cultures of Spanish speaking people. No prerequisites are necessary to take this course, but successful Spanish students have very strong English skills. Well-developed study habits are essential as is good attendance since daily work is crucial to student success.

### **SPANISH II (Full Year 2 Credits)**

**GRADES 10-11-12**

**Prerequisite: Spanish I or Equivalent**

A more detailed and continuous study of Spanish is involved in Spanish II. Speaking and writing are essential in learning along with listening and reading. Students will also learn more about the culture and life of Spanish people. Daily Work is essential for successful completion of this course.

### **SPANISH III (Full Year 2 Credits)**

**GRADES 11-12**

**Prerequisite: Spanish I and II**

Students will learn more about the Spanish language, life, and customs. Short readings are introduced to acquaint the student with literature written in Spanish. Using Spanish is emphasized. Daily work is essential for successful completion of this course.

### **SPANISH IV (Full Year 2 Credits)**

**GRADE 12**

**Prerequisite: Spanish I, II, and III**

Literature selections along with magazines and newspaper articles are chosen as topics for discussion. Demonstrative speeches, skits and role playing are examples of other activities. Problem areas in grammar are revised and discussed. Using the language is greatly emphasized. Daily work is essential for successful completion of this course.

### **IHCC ELEMENTARY SPANISH I/II/III (1 Credit per term)**

**GRADES 11-12**

**Prerequisites: Spanish I and II**

A four-skills approach will be used--listening, reading, speaking, and writing in Spanish. Activities and cultural materials will emphasize communicative and cultural competency, as well as begin a solid grammar foundation. This class will be online. Must take all 3 terms to get the full year of Spanish credit.



**IHCC INTERMEDIATE SPANISH I/II/III (1 Credit per term)**

**GRADE 12**

**Prerequisites: Spanish I, II, and Elementary Spanish I/II/III**

Intermediate Spanish I, II, and III will continue the review of the skills required in Elementary Spanish sequence. It will also continue instruction in the communicative competencies of reading, writing, listening, and speaking. There will also be a bigger emphasis put on grammar for accuracy and usage. Vocabulary development will contribute to the increase. Students will be required to produce more spoken Spanish with even more emphasis put on pronunciation. Students will be required to communicate more readily in Spanish. This class will be through Zoom. Must take all 3 terms to get the full year of Spanish credit.

## **Agriculture Education**

### **INTRO TO AG (1st Semester 1 Credit)**

**GRADES 9-10-11-12**

This class covers basic record keeping principles, careers in Ag, an FFA unit, foodborne illness, and a study of key people and their inventions in the history of agriculture.

### **ANIMAL SCIENCE (2nd Semester 1 Credit)**

**GRADES 9-10-11-12**

The class covers livestock production principles for beef, sheep, swine, equine, and poultry including feeding, nutrition, selection, reproduction, health, and management.

### **CROP SCIENCE (1st semester 1 Credit)**

**GRADES 9-10-11-12**

The basic principles of soils, conservation of resources, cover crops, crop pests, tillage practices, climate, major crops of Iowa and production of these crops will be covered in this course.

### **AG LEADERSHIP (2nd Semester 1 Credit)**

**GRADES 9-10-11-12**

This course covers parliamentary procedure, resume writing, interviewing skills, and a study of history's great leaders.

### **AGRI BUSINESS (1st Semester 1 Credit)**

**GRADES 9-10-11-12**

This course will cover business organizations, cash flow analysis, budgeting, cost and return analysis and least cost rations.

### **AG MARKETING AND SALES (2nd Semester 1 Credit)**

**GRADES 9-10-11-12**

This class will include units on sales, marketing, and risk management. Students will plan and carry out an organized sales project, and get their OSHA 10 hour certification.

### **FOOD SCIENCE (2nd Semester 1 Credit)**

**GRADES 9-10-11-12**

Processing of agricultural products will be examined including food chemistry, food and fiber production, food processing operations, and meats judging through presentations and activities.

### **NATURAL RESOURCES (1st Semester 1 Credit)**

**GRADES 11-12**

During this class, the students will explore careers in Natural Resources and study Fish, Wildlife and Forest Resources, Erosion Control Methods, Wetland, Outdoor Recreation and study water quality while on a fishing trip. We will also study Aldo Leopold and some of his works.

**HORTICULTURE I (1st Semester 1 Credit)****GRADES 10-11-12****Prerequisite: Biology**

This course will include the study of career opportunities in Horticulture, plant nutrient needs, landscape maintenance, bulb plants, plant identification, and poinsettias will be raised and sold. This class will include extensive hands-on activities.

**IHCC SURVEY OF ANIMAL INDUSTRY (1st Semester 1 Credit)****GRADES 11-12**

This course discusses the integration of livestock in a sustainable farming system including small-scale production for niche markets. Topics include appropriate breed selection, nutrition, reproduction, diseases, processing, and land management for hogs, poultry, cattle, sheep, and goats.

**IHCC PRINCIPLES OF HORTICULTURE (2nd semester 1 Credit)****GRADES 11-12**

This course will provide the student with essential knowledge and skills necessary for a solid orientation in horticulture. Areas of study include climate and plant growth, botanical nomenclature, anatomy, propagation, vegetable gardening, fruit trees, flower, and herb gardening. This class will include extensive hands-on activities producing and marketing a crop of bedding plants.

## **Family Consumer Science**

### **INTRO TO HOSPITALITY AND TOURISM I (1st Semester 1 Credit)**

**GRADES 10- 11-12**

Students will explore careers within the Hospitality and Tourism industry. Pathways covered within this course will include Food and Beverage, Recreation and Amusement, Lodging, and Travel and Tourism. Food labs will be included in this course but are not the main component.

### **INTRO TO HOSPITALITY AND TOURISM II (2nd Semester 1 Credit) GRADES 10- 11-12**

Students will explore careers within the Hospitality and Tourism industry. We will take a closer look at trends, technology, and customer service in the Food and Beverage, Recreation and Amusement, Lodging, and Travel and Tourism pathways. Food labs will be included in this course but are not the main component.

### **ADVANCED HOSPITALITY AND TOURISM (Full year 2 Credits )**

**GRADES 10- 11-12**

**Prerequisite: Intro to Hospitality and Tourism 1 & 2**

Students will take a closer look into the business management and operation side of the Hospitality and Tourism industry. Topics may include business basics, event planning, and customer satisfaction. Additionally, students will have a chance to hear from local small business owners.

### **Exploring Hospitality and Tourism I (1st semester 1 Credit ) GRADES 9-10**

Students will learn about careers within the Human Services Pathway and Employability Skills.

### **Exploring Hospitality and Tourism II (2nd semester 1 credit) GRADES 9-10**

### **RESTAURANT MANAGEMENT AND OPERATIONS I (1st Semester 1 Credit) GRADES 10- 11-12**

This course is an introduction to working in/owning a restaurant. Topics include history, restaurant styles, kitchen equipment, and more. Students will have the chance to create plans for their own business. Food labs will be included in this course but are not the main component.

### **RESTAURANT MANAGEMENT AND OPERATIONS II (2nd Semester 1 Credit) GRADES 10- 11-12**

This course is an introduction to working in/owning a restaurant. Students will focus on culinary techniques and methods. The second half of the semester will be dedicated to food production.

## **Electives**

### **Cross Age Mentoring (1 Semester 1 Credit)**

**GRADES 11-12**

Cross Age Mentoring is designed for students who have an interest in learning about teaching as a profession. Cross Age Mentoring provides students opportunities to use their acquired skills and knowledge to help younger students. Criteria for acceptance into this course will be based on the student's past attendance record, previous grades, applicable subject knowledge and approval of the principal and cooperating teacher.

### **STUDENT WELLNESS I (1 Semester 1 Credit)**

**GRADES 10-11-12**

In Student Wellness, students will examine and assess the positive and negative personal choices they will make in their lifetime, along with their benefits and consequences. This is a discussion based class that will focus on helping students acquire knowledge to make healthy choices in their lives. Topics covered will include: mental health, stress, and stress relief, nutrition, food choices, personal care, physical activity, substance abuse, and diseases. Students will examine the effects of cultural norms on their health and well-being, as well as the well-being of their community.

Course work will include: participation in class discussion, written reports on various health topics, tests, quizzes, projects on assigned topics.

### **STUDENT WELLNESS II (1 Semester 1 Credit)**

**GRADES 10-11-12**

(Can take this prior to Student Wellness I)

Student Wellness II is designed to help students learn to use basic health concepts to enhance their personal, family, and community health. Topics covered include: mental health, nutrition, fitness, personal care, substance abuse, community health, health risks, medical care, and overall wellness.

Course work will include: participation in class discussions, written reports, projects, presentations, quizzes, and tests.

### **FRESHMAN SEMINAR (Full Year 1 Credit)**

Required for all Freshmen to ensure they will have the pathway for success while at Centerville High School and beyond.

## **Music**

*Excellence in music has been a tradition at Centerville High School.*

### **BAND (Full Year 2 Credits)**

**GRADES 9-10-11-12**

The CHS Band meets daily. The band curriculum includes Marching Band, Basketball Pep Band, Concert Band, and lessons. Optional performance groups include jazz band 2, solo, and ensemble, All State and Honor Band auditions. Students must be enrolled in band for consecutive semesters while at CHS. Once a student drops band, they may not re-enroll unless special permission is given from the director. There is a band handbook available, which includes additional information.

### **JAZZ BAND I (Full Year 1 Credit)**

This is a full year class that meets in the mornings during 0 hour. Students will learn varying styles of Jazz and perform concerts, public performances, and contests throughout the school year. Performing improvised solos is an option, but encouraged part of jazz band. This is an auditioned ensemble composed of typical jazz band instrumentation. Enrollment in this course is only with recommendation of the director. Attendance at all performances is an expectation for members of this group.

### **CONCERT CHOIR (1 Credit per Semester)**

**GRADES 9-10-11-12**

The Concert Choir is chosen by audition only. An advanced mixed honor choir focuses on the preparation of concert literature. Optional performance groups include Triple Trio, Solo, Ensemble and Jazz Choir, Madrigal and Male Octet. Students must be eligible and adhere to the Good Conduct Policy as well as the State Eligibility Criteria. Students must show proficiency in sight-reading, tonal memory and teamwork skills. Auditions are held in the spring of the preceding school year. Students who are new to the district may audition in November at the discretion of the instructor.

## **Physical Education**

### **PHYSICAL EDUCATION**

**GRADES 9-10-11-12**

**(Full Year-Alternating Days-0.5 Credit per Semester)**

Physical Education is required of all students throughout their four years in high school. Objectives of the physical education program include the development of acceptable health habits, good posture, worthwhile use of leisure time, knowledge of rules of the activities and fair play.

Every student must meet in the gym class at least twice each week. Each individual must provide his or her own uniform and shoes. To receive a passing grade, the student must attend regularly & participate in the activities and follow the standards outlined in the classroom discipline continuum.

### **LIFETIME FITNESS PE**

**GRADES 9-10-11-12**

Activities include walking, jogging, monitoring heart rates and studying proper nutrition.

### **ULTIMATE HEALTH**

**GRADES 9-10-11-12**

**Advanced Training-Periods 1-4**

**(1 Semester ½ Credit) (Full Semester 1 Credit)**

The focus of the advanced class is to make improvements on strength, mobility, speed, and power. This class will be conducted on a structured strength and conditioning program that will maximize gains in the short amount of time students have in class. Along with improving physically, students will develop a better understanding on how to train and the benefits to their daily lives.

### **0-Hour Training 6:30 a.m. M-F**

**GRADES 10-11-12**

**(1 Semester 1 Credit for Everyday Class)**

0-Hour Training will begin at 6:30 a.m. and go until 7:30-7:45. Time to shower and change will be provided for all students to be able to make it to their first hour class on time. 0-Hour will be conducted on a structured program that raises the bar of intensity and volume compared to the Advanced Training class. Individual weaknesses will also be addressed. Students who sign up for 0-hour are expected to attend Monday thru Friday. At least one semester of Advanced Training must be completed before enrolling in 0-Hour.

## **Rathbun Area Career Academy (Junior and/or Senior Year)**

These programs are on the IHCC Centerville Campus.

Students get a head start on their college education. Students receive hands-on instruction. Students earn both high school and college credit at the same time. All courses are offered at no cost to the student.

### **Agriculture Academy**

Students have the opportunity to explore various areas within the field of agriculture. Landscape & Turfgrass Technology, Animal Science, and Precision Farming.

### **Construction Academy**

Students will have the opportunity to explore the many aspects of the construction field. They will learn valuable skills in residential, commercial, industrial, or public works construction.

### **Health Sciences Academy**

Students will get a chance to explore the vast opportunities within Health Sciences in this academy. Note: Students are required to have a cumulative high school 2.5 GPA for admission into this academy.

### **Industrial Maintenance Academy**

Students will figure out issues and fix machines that use electricity, hydraulics, and motor circuits. Become a “doctor” of machines!!

## **Albia Area Career Academy**

### **\*Automotive Technology**

Students will learn engine repair, automatic transmissions, brakes, and electrical systems.

### **\*Diesel Technology**

Students will learn about engine repair, automatic transmissions, brakes and electrical systems.

“**College**” is a broad term that encompasses all options after high school that lead to what employers are looking for , or that leads to further education or training including: 2 and 4 year options, certificates, diplomas, apprenticeships, military, and more!

If you are interested in registering or have questions about IHCC academies, on campus or online classes, or classes offered in the high school please contact:



Matt Johnson, School Principal, Centerville High School and Appanoose County Campus (ACC), [matt.johnson@centervillek12.org](mailto:matt.johnson@centervillek12.org), 641-856-0813

Luann Eakins, School Counselor, Centerville High School and Appanoose County Campus (ACC), [luann.eakins@centervillek12.org](mailto:luann.eakins@centervillek12.org), 641-856-0813

Heather Baze, School Counselor Secretary, [heather.baze@centervillek12.org](mailto:heather.baze@centervillek12.org)