

## Simpson County Academy Secondary Curriculum Guide

### Junior High

**7 & 8 English:** In the middle school grades, students analyze, define, compare, and evaluate ideas with more precision when reading, writing, speaking, and listening. They apply skills they learned in earlier grades to make sense of a range of more challenging books and articles as they address various topics. Students continue to expand their vocabularies and use new words in their stories, reports, and essays. They use relevant evidence when supporting their own points in writing and speaking, making their reasoning clear to readers or listeners or constructively evaluating others' use of evidence.

**7 Math:** In Grade 7, instruction should focus on four critical areas: (1) developing understanding of and applying proportional relationships; (2) developing understanding of operations with rational numbers and working with expressions and linear equations; (3) solving problems involving scale drawings and informal geometric constructions, and working with two- and three-dimensional shapes to solve problems involving area, surface area, and volume; and (4) drawing inferences about populations based on samples.

**8 Math:** For Math Grade 8, instruction should focus on 3 critical areas: (1) formulating and reasoning about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations; (2) grasping the concept of a function and using functions to describe quantitative relationships; and (3) analyzing two and three-dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem.

**7 Science:** Science Grade 7 is a middle-level general science course that covers core ideas in life science, physical science, and earth and space science.

**8 Science:** Science Grade 8 is a middle-level general science course that covers core ideas in life science, physical science, and earth and space science.

**7 Social Studies:** World History from Prehistoric Era to Age of Enlightenment surveys the evolution of society through the ancient civilizations of the Nile River Valley, China, Indus River Valley, Greece, and Rome. courses provide a survey of the evolution of society. By studying the rise and fall of these civilizations, students connect legacies of the ancient world to successive societies. This course includes the study of the five

ancient religions as well as an introduction to the Medieval and Renaissance eras of Europe.

**8 Social Studies:** US History from Exploration to Reconstruction examines the challenge of creating a new nation and supporting continued growth. This course includes westward expansion, the industrial revolution, and the causes and effects of the Civil War.

## **Bible**

### **Learning Strategies:**

#### **PE:**

**9 English:** At this level, students are expected to understand more from and make fuller use of written materials, including using a wider range of text evidence to support their inferences. Through wide and deep reading of literature and literary nonfiction of steadily increasing sophistication, they expand their literary and cultural knowledge and better understand references and images. They also work to develop the flexibility, concentration, and fluency to produce logical, well-reasoned writings and presentations that are supported by evidence.

**9 MS Studies:** Mississippi Studies examines the history, politics, economics, society, and cultures of our state. With a focus on history, this course allows students to understand how the land and its resources have shaped life for Mississippians from the pre-Columbian era to modern day.

**9 Geography:** This course equips students with the knowledge, skills, and perspectives of world geography. Students will learn how to use geographic thinking and information to make well-reasoned decisions and to solve personal and community problems. The geography strand will enable students to use geographic perspectives, knowledge, and skills to engage in ethical action with regard to self, other people, other species, and Earth's diverse cultures and natural environments.

## **9 STEM**

**9 Biology 1:** Biology, a one-credit course, is a laboratory-based course that is designed to build a life science foundation emphasizing patterns, processes, and interactions among organisms. Students are expected to master conceptual

understandings based on both individual investigations and the investigations conducted by others.

**9 Algebra 1:** In Algebra I, a one-credit math course, the fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. Because it is built on the middle grades' standards, this is a more ambitious version of Algebra I than has generally been offered. Instruction should focus on five critical areas: (1) analyze and explain the process of solving equations and inequalities; (2) learn function notation and develop the concepts of domain and range; (3) use regression techniques; (4) create quadratic and exponential expressions; and (5) select from among these functions to model phenomena.

### **9/10 Health**

### **9/10 Humanities**

### **9/10 Introduction to Business**

**9/10 Oral Communications:** This course includes instruction in how to acquire, analyze, and evaluate information in order to make decisions and establish satisfying relationships. Skill in oral communication helps the student to think logically, clearly, and creatively.

**9/10 Humanities:** Humanities examines and evokes student responses to human creative efforts and the world in historical periods and cultures. This course includes exploration, analysis, synthesis, and various responses to cultural traditions, including viewing, listening, speaking, reading, writing, performing, and creating

## **High School**

**Advanced World Geography:** Advanced World Geography requires students to analyze the world through the lens of geography. Topics include the physical environment; the political landscape; the relationship between people and the land; economic production and development; and the movement of people, goods, and ideas.

**Art:** The mission of arts education in Mississippi is to ensure that students know and experience the uniqueness of the arts, understand themselves and their world by creating, expressing, and communicating meaning through the arts, and value the arts as humanity's most essential and universal language transcending culture, time, and place.

## **9/10 Health**

## **9/10 Humanities**

## **9/10 Introduction to Business**

## **Journalism**

**9/10 Oral Communications:** This course includes instruction in how to acquire, analyze, and evaluate information in order to make decisions and establish satisfying relationships. Skill in oral communication helps the student to think logically, clearly, and creatively.

## **PE/Athletics**

## **Senior Project**

**10 English:** At this level, students are expected to understand more from and make fuller use of written materials, including using a wider range of text evidence to support their inferences. Through wide and deep reading of literature and literary nonfiction of steadily increasing sophistication, they expand their literary and cultural knowledge and better understand references and images. They also work to develop the flexibility, concentration, and fluency to produce logical, well-reasoned writings and presentations that are supported by evidence.

**11 English:** At this level, students are expected to understand more from and make fuller use of written materials, including using a wider range of text evidence to support their inferences. Through wide and deep reading of literature and literary nonfiction of steadily increasing sophistication, they expand their literary and cultural knowledge and better understand references and images. They also work to develop the flexibility, concentration, and fluency to produce logical, well-reasoned writings and presentations that are supported by evidence.

**12 English:** At this level, students are expected to understand more from and make fuller use of written materials, including using a wider range of text evidence to support their inferences. Through wide and deep reading of literature and literary nonfiction of steadily increasing sophistication, they expand their literary and cultural knowledge and better understand references and images. They also work to develop the flexibility,

concentration, and fluency to produce logical, well-reasoned writings and presentations that are supported by evidence.

\*Honors English 9, 10, 11:

**10 Geometry:** The fundamental purpose of the course in Geometry, a one-credit math course, is to formalize and extend students' geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments.

**11 Algebra 2:** Topics of study include sequences and series, functions, and higher order polynomials. Polynomial functions provide the context for higher-order investigations. Topics are addressed from a numeric, graphical, and analytical perspective.

**11 Pre-Calculus:**

**12 Advanced Senior Math**

**12 Calculus:** The major focus is on differential and integral calculus. The use of graphing calculators and other technologies are major components of the course. The instructional approach should provide opportunities for students to work together collaboratively and cooperatively as they solve routine and nonroutine problems.

**Chemistry:** Chemistry, a one-credit course, is a rigorous science elective course designed to prepare students for careers in science, technology, engineering, integrated STEM activities, and mathematics. Chemistry explores empirical concepts central to all areas of science. These concepts should be explored in-depth using both quantitative and qualitative analysis, computational and experimental rigor, and the use of inquiry-based methods of teaching.

**Environmental Science:** Environmental science, a one-half credit course, is a laboratory- or field-based course that explores ways in which the environment shapes living communities. Human sustainability and environmental balance are emphasized. Laboratory activities, research, the use of technology, and the effective communication of results through various methods are integral components of this course, which also emphasizes a student-centered and collaborative classroom environment.

**Human A&P:** Human Anatomy and Physiology, a one-credit course, is a laboratory-based course that investigates the structures and functions of the human body. Core content emphasizes the structure and function of cells, tissues, and organs; organization of the human body and its biochemical composition; the skeletal, muscular, nervous, endocrine, digestive, respiratory, cardiovascular, integumentary, immune, urinary, and reproductive systems; and the impact of diseases on certain systems. Laboratory activities, research, the use of technology, and the effective communication of results through various methods are integral components of this course.

**Spanish 1:** Spanish I course is designed to introduce students to Spanish language and culture, prepares students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on familiar topics. This course introduces the relationships among the products, practices, and perspectives of Spanish-speaking cultures.

**Spanish 2:** Spanish II course builds upon skills developed in Spanish I, preparing students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on familiar topics. This course introduces the relationships among the products, practices, and perspectives of Spanish-speaking cultures.

**U.S. History:** U.S. History from 1877 to Present examines the history of the United States from post-Civil War Westward Expansion to the present time. This course includes a historical review of political, military, scientific, and social developments.

**World History:** World History from Age of Enlightenment to Present provides students with an overview of history from the scientific revolution to the contemporary period, examining political, economic, social, religious, military, scientific, and cultural developments.

**US Government:** U.S. Government provides an overview of the structure and functions of the U.S. government and political institutions and examines constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation in the democratic process.

**Economics:** This course should help students gain an understanding of economic concepts, while demonstrating an understanding of economic and financial literacy in order to make informed financial decisions throughout their lives.

## **Dual Credit/Dual Enrollment**

**Dual Credit Courses offered by Copiah Lincoln CC in Art Appreciation, English Comp 1; English Comp 2**

**Dual Enrollment Courses offered by Copiah Lincoln CC in College Algebra, Psychology, Sociology, Western Civilization 1, Western Civilization 2**

## **Simpson County Career Technical Center**

**Agriculture and Natural Resources I and II**

**Carpentry**

**Diesel Service Technician I and II**

**Health Informations I and II**

**Health Science**

**Law and Public Safety I and II**

**Metal Fabrication I and II**

**Polymer Science I and II**