



COURSE DESCRIPTIONS

High School On-Campus

2024-2025

HOC

Courses are designed for high school students desiring to earn Carnegie credits required for high school graduation. Some courses may be taken, in limited number, by academically prepared eighth graders with HOC Coordinator approval. For details, see page 2.

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COURSE ELIGIBILITY AND ROTATIONS

Grade 8 Student Eligibility

Academically prepared 8th graders may register for TWO of the following courses (when offered):

- Algebra 1
- Composition or English w/Literature
- Physical Science
- Spanish 1
- Speech

They may ALSO take the following one-semester courses (when offered):

- Track
- Yearbook Staff

English Course Rotation

Each English course consists of three elements: grammar, writing, and literature. These courses will be recorded on the high school transcript by the student's grade year rather than the course name. For example, Composition would appear as "English 9" for a 9th grader or "English 10" for a 10th grader. American Literature would appear as "English 11" for an 11th grader or "English 12" for a 12th grader.

The following 9th and 10th grade courses are offered on a rotating basis, subject to availability, and may be taken in any order.

- English w/Literature (2024-2025)
- Composition (2025-2026)

The following 10th, 11th, and 12th grade courses are offered on a rotating basis, subject to availability, and may be taken in any order provided the student has completed at least one semester of a high school level writing course.

- Advanced Composition with Research Writing (2024-2025)
- Elements of Literature Across Genres (2025-2026)
- Advanced Composition with Research Writing (2026-2027)
- American Literature (2027-2028)

Social Science Course Rotation

The following courses are offered on a rotating basis, subject to availability, and may be taken in any order.

- Geography (2024-2025)
- World History (2025-2026)
- American Government / Economics (2026-2027)
- U.S. History (2027-2028)

SCIENCE

Physical Science

Grades: 9-12

Grade 8 Eligible: Yes

Credit: 1.0

Cost: \$380

Lab Fee: \$40

Placement Test: No

Prerequisite: None

Instructor: Candace Denison

Semester: Fall and Spring

Schedule: Tuesday, 10:15 AM – 12:15 PM

Physical science is considered the first high school science course and is required on the transcript by most universities. Topics include the Atmosphere, Hydrosphere, Lithosphere, Weather, Physics, Newton's Laws, Forces in Creation, Waves and Sound, Light and Astrophysics - all at an introductory level. Every week class is split between lecture and lab. Students learn not only science but also how to work within a classroom by taking notes, participating in classroom activities and being responsible for their own lab supplies and reports. This course prepares the student for the higher sciences they will take in high school and hopefully successful classroom educational skills for the future.

Required Resources:

- *Science: Matter and Energy (Revised), Student Text, 2nd Edition*
Publisher: Abeka, 2022

SCIENCE

Biology

Grades: 9-12

Grade 8 Eligible: No

Credit: 1.0

Cost: \$475

Lab Fee: \$40

Placement Test: No

Prerequisite: None

Instructor: Kris Malinowski

Semester: Fall and Spring

Schedule: Tuesday, 10:15 AM – 12:45 PM

In this course, students will be introduced to the intricate world of life on earth. They will learn how living things are designed and classified, how they interact with one another, and what their role is in the niche they occupy.

The course consists of sixteen chapters. In the first section, students will be introduced to the principles of biology. Concepts covered in it include: the chemical processes of life, cell structure, genetics, and biotechnology. The second section will focus on a systematic review of the variety of life forms on earth, starting with the simple microorganisms and fungi, followed by the invertebrates and vertebrates, and ending with plants. The course will conclude with chapters covering elements of environmental science and ecology.

Each chapter is structured around a thought-provoking reading selection, accompanied by several sets of critical thinking questions and a choice of 2-4 hands-on laboratory exercises, including microscopy and specimen dissections.

As students learn biology, they will be able to discover design patterns of life and thus see its ultimate Designer and Creator from yet another perspective. My prayer and desire is it makes them grow to love Him that much more too.

Required Resources:

- *Discovering Design with Biology*
Authors: Dr. Paul Madtes, Jr. & Dr. Jay Wile, 2022 (ISBN: 9798985252941)
- *Answer Key and Tests for Discovering Design with Biology*
Author: Dr. Paul Madtes, Jr. & Dr. Jay Wile, 2022 (ISBN: 9798985252958)
- Note: The Solutions and Tests Manual should be kept by the parent until the instructor gives permission to use it.

SCIENCE

Anatomy

Grades: 10-12

Grade 8 Eligible: No

Credit: 1.0

Cost: \$475

Lab Fee: \$40

Placement Test: No

Prerequisite: Biology

Instructor: Holly Dean

Semester: Fall and Spring

Schedule: Tuesday, 10:15 AM – 12:45 PM

This Anatomy and Physiology course will cover both the anatomy and the physiology of the human body's 11 organ systems in detail. The course includes microscope and dissection labs. Topics will include cellular structure and function as a review from your high school biology course, basic histology (microscopic study of tissues), specific histology of the organ systems, organ structure and function, and system anatomy and physiology. God's creation of the human body was special and is unique from any of His other creations. This is because we were created in His image! Genesis 1:26-27 speaks clearly to this truth, "Let us make man in Our image, after Our likeness... male and female He created them." Therefore, the study of our bodies, His special creation, deserves particular, concentrated attention. This year, we will explore the uniqueness and awesomeness of this beautiful and spectacular creation!

Required Resources:

- *Exploring Creation with Advanced Biology: The Human Body, 2nd Edition*
Authors: Marilyn M. Shannon & Rachael L. Yunis, 2013/2020 (ISBN: 9781946506603)
- *Exploring Creation with Biology: The Human Body, Solutions and Tests, 2nd Edition*
Authors: Marilyn M. Shannon & Rachael L. Yunis, 2013 (ISBN: 9781935495970)
- *Exploring Creation with Biology: The Human Body, Student Notebook, 2nd Edition*
Authors: Marilyn M. Shannon & Rachael L. Yunis, 2014 (ISBN: 9781940110387)
- Note: The Solutions and Tests Manual should be kept by the parent until the instructor gives permission to use it.

SCIENCE

Physics

Grades: 10-12

Grade 8 Eligible: No

Credit: 1.0

Cost: \$380

Lab Fee: \$40

Placement Test: Yes

Prerequisite: Completion of Physical Science, Algebra 1, Geometry, and currently taking Algebra 2 or higher math. Must have knowledge of sine, cosine, and tangent.

Instructor: Greg Nichols

Semester: Fall and Spring

Schedule: Tuesday, 4:00 PM – 6:00 PM

This laboratory-based high school physics course is the first physics course a college-bound student should take. It gives the student an introduction to the basics, such as Newton's Laws of Motion, Newton's Law of Universal Gravitation, work, energy, and power, waves, sound, and light, electrical potential, electric fields, circuits, resistance, and current, magnetism, and magnetic fields.

Required Resources:

- *Discovering Design with Physics (Set)*
Author: Dr. Jay L. Wile (ISBN: 9798985252989)
- Note: The set includes Textbook and Answer Key & Tests book.

ENGLISH

English with Literature

Grades: 9-10

Grade 8 Eligible: Yes

Credit: 1.0

Cost: \$380

Lab Fee: \$0

Placement Test: No

Prerequisite: None

Instructor: Tara Maple

Semester: Fall and Spring

Schedule: Monday, 8:00 AM – 10:00 AM

In this class, we will read, interpret, and analyze 3-4 novels along with a play and various short stories and poetry. Students will submit an essay roughly every two weeks. There will be weekly vocabulary and journal writing assignments. In addition, we will cover comprehension, presentation, grammar, and punctuation. Students will have the opportunity to participate in events like Poetry Out Loud and Farm City Essay contests. Weekly class workload may be adjusted throughout the year if one part of our classwork is proving particularly difficult. I do utilize in-class games or group activities some weeks.

Goals are to have your students write and comprehend better, learn to enjoy learning and English more, and communicate with others more effectively. Also, by the end of this course, they should be better prepared for the English and reading portions of standardized tests, should they choose to take those.

I teach a two-year rotation, and you do not have to take the classes in order.

Required Resources:

- TBA
- Note: Students who use audio books must also have a print version of the text.

ENGLISH

Advanced Composition with Research Writing

Grades: 11-12 (Grade 10 with approval)

Instructor: Noah Moon

Grade 8 Eligible: No

Semester: Fall and Spring

Credit: 1.0

Schedule: Monday, 10:15 AM – 12:15 PM

Cost: \$380

Lab Fee: \$0

Placement Test: No

Prerequisite: One Semester High School English

This course aims to introduce upper-level high school students to various forms of advanced composition, including nonfiction, fiction, and poetry. As we study and practice the methods, techniques, and stylistic elements of each type of writing, we will examine some of the lesser-known works of C. S. Lewis, one of the greatest Christian literary figures of the 20th century. The class will also devote significant time to research methodology and the proper usage of quotations and citations using MLA style guidelines. Each of the 4 main sections of the class (Research Methods, Nonfiction Writing, Fiction Writing, and Poetry Writing) will include students writing and workshopping their creative compositions with other students, culminating in a final project for each section. At the end of the course, a “Reading Event” from the students will take place, where they read and present one of their final projects to the class.

Required Resources:

- *Write Better: A Lifelong Editor on Craft, Art, and Spirituality*
Author: Andrew T. Le Peau, 2019 (ISBN: 9780830845699)
- *The Weight of Glory*
Author: C. S. Lewis (ISBN: 9780060653200)
- *The Screwtape Letters: Annotated Edition*
Author: C. S. Lewis (ISBN: 9780062023179)
- *The Collected Poems of C. S. Lewis: A Critical Edition*
Author: C. S. Lewis, edited by Don W. King (ISBN: 9781606354117)
- *Saving English (Recommended, but not required)*
Author: Philip A. Craig, 2023 (ISBN: 9781943539499)
Note: The primary place to purchase this book is from the website of Founders Ministries Press (www.press.founders.org)
- Note: Students who use audio books must also have a print version of the text.

MATH

Algebra 1

Grades: 9-10

Grade 8 Eligible: Yes

Credit: 1.0

Cost: \$570

Lab Fee: \$0

Placement Test: Yes

Prerequisite: None

Instructor: Thad Ron

Semester: Fall and

Schedule: Monday, 8:00 AM

10:00 PM

This course provides a full year of basic algebra, covering functions and graphs, integers, rational numbers, factoring, fractions, and more. The student should plan to spend approximately 60 minutes each, including class meetings.

Required Resources:

- *Elementary Algebra*

Author: Harcourt (1683443575)

Note: The textbook and Teacher Guide, with solutions.

Cancelled

MATH

Algebra 2

Grades: 9-12

Grade 8 Eligible: No

Credit: 1.0

Cost: \$570

Lab Fee: \$0

Placement Test: Yes

Prerequisite: Algebra 1

Instructor: Thad Roppel

Semester: Fall and Spring

Schedule: Monday, 12:30 PM – 2:00 PM
Thursday, 12:30 PM – 2:00 PM

This course teaches Algebra 2 from a Biblical perspective. The topics covered include Exponents, Sets, Solving systems of equations, Functions, Polynomials, Quadratics, Exponential functions, Logarithms, Probabilities, Permutations, and Combinations among others. The student should plan to spend 5 days a week for 60 - 90 minutes each, including class meetings.

Required Resources:

- *Principles of Algebra 2 (Curriculum Pack)*

Author: Katherine Loop Hannon, 2020 (ISBN: 9781683442332)

Note: Curriculum Pack includes Textbook, Teacher Guide, and Solutions Manual

SOCIAL SCIENCE

Cultural Geography

Grades: 9-12

Grade 8 Eligible: No

Credit: 1.0

Cost: \$380

Lab Fee: \$0

Prerequisite: None

Instructor: Becky Robertson

Semester: Fall and Spring

Schedule: Tuesday, 8:00 AM – 10:00 AM

Cultural Geography takes students on a tour, traveling from continent to continent, exploring the cultures, landforms, climates, resources, economy, religions, and government of the major countries of the world. It introduces the physical characteristics of the earth and shows how they affect the cultural development of a particular area and how resource allocation impacts these cultures. Using a regional approach, students study every continent of the world, gaining a unique visualization of the vast span of cultures and countries across our globe. Missions is a common theme emphasized throughout the course. By the end of the course, students will be able to locate and explain the 10-40 unreached people groups window, identify major land masses and bodies of water, countries, and political groupings in the world as well as thoroughly discuss their rich cultures.

Required Resources:

- *Cultural Geography Student Text, 5th Edition*
Publisher: BJU Press, 2021 (ISBN: 9781628566475)
Note: New or Used book is acceptable.
- *Cultural Geography Activities, 5th Edition*
Publisher: BJU Press, 2021 (ISBN: 9781628566499)
Note: New/unused book is required.
- *Operation World: The Definitive Prayer Guide to Every Nation*
Authors: Jason Mandryk & Patrick Johnstone, 2010 (ISBN: 9780830857241)
Note: New or Used book is acceptable.

ELECTIVES

Spanish 1

Grades: 9-11

Grade 8 Eligible: Yes

Credit: 1.0

Cost: \$570

Lab Fee: \$0

Placement Test: No

Prerequisite: None

Instructor: Lu Fernan

Semester: Fall and

Schedule: M

PM

Spanish 1 is an introductory course for beginning students with a strong foundation to promote future success in learning the Spanish language. This course aims to equip students with the grammar and vocabulary needed to speak and understand the Spanish language at a basic level. Students will be introduced to the culture and history of the Spanish-speaking world, as well as a greater appreciation for the rich diversity of God's world. They will engage in various activities in the classroom and have an opportunity to practice their skills by taking a field trip to a local Mexican restaurant. As one of the most widely spoken languages in the world (and the internet!), understanding Spanish offers numerous benefits for your student, as well as present a different global perspective.

Requirements

- TBA

ELECTIVES

Spanish 2

Grades: 9-12

Grade 8 Eligible: No

Credit: 1.0

Cost: \$570

Lab Fee: \$0

Placement Test: No

Prerequisite: Spanish 1

Instructor: TBA

Semester: Fall and Spring

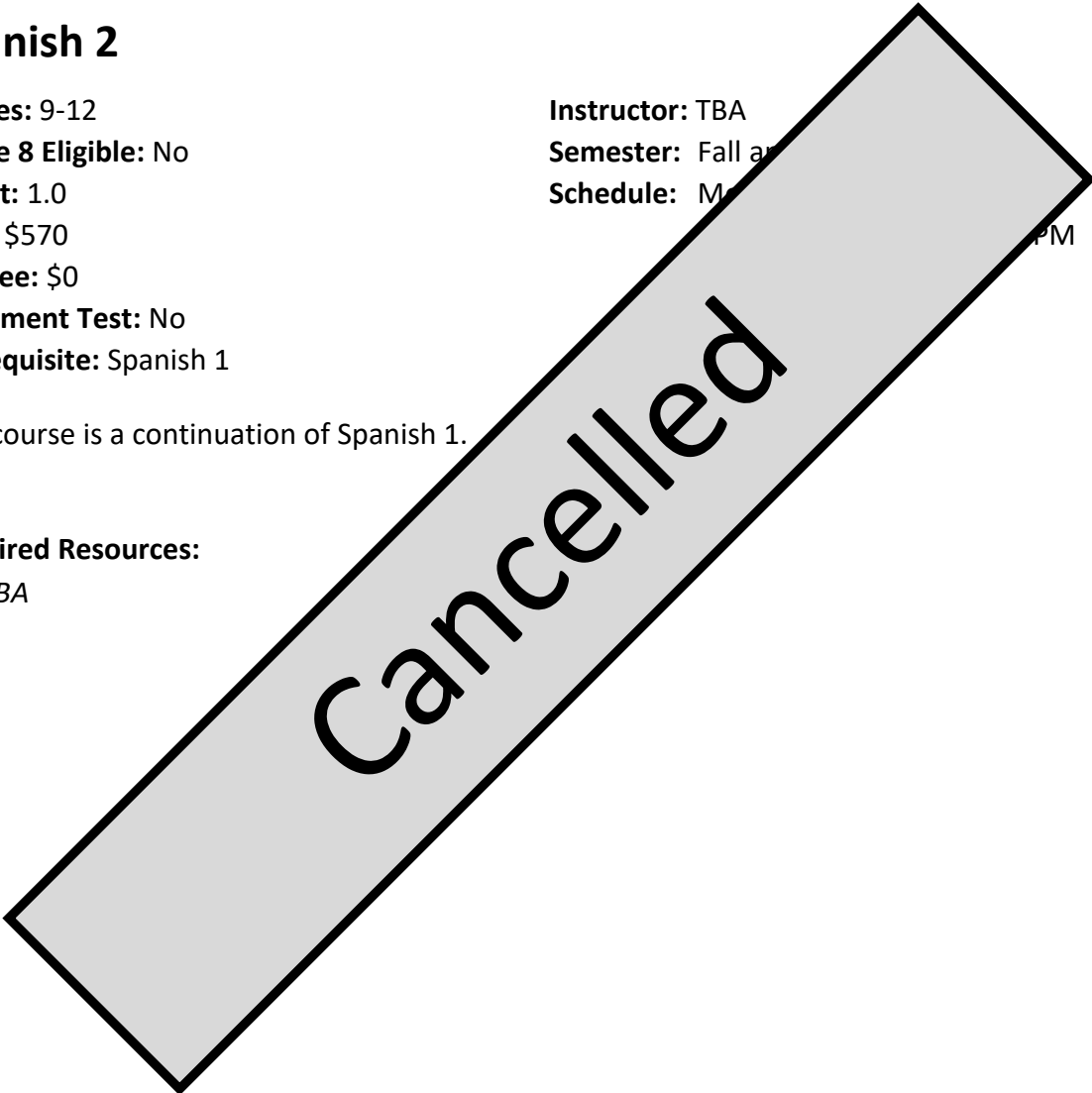
Schedule: M

PM

This course is a continuation of Spanish 1.

Required Resources:

- TBA



ELECTIVES

Worldview: Making Sense of Reality

Ages: 15 & Up (DOB before 08/06/09)

Instructor: Aaron Wine

Grade 8 Eligible: No

Semester: Fall

Credit: 0.5

Schedule: Thursday, 8:00 AM – 10:00 AM

Cost: \$190

Lab Fee: \$0

Placement Test: No

Prerequisite: None

Ideas have consequences. Whether we know it or not, we are all looking at the world around us through a set of lenses, or ideas, that help us to see things a certain way. These lenses are our worldview. This course will describe the main worldviews in our culture today and help us to conform our vision to the truth found in the Word of God. By studying different worldviews (Christianity, Islam, New Spirituality, Marxism, Postmodernism, and Secularism) within various spheres (sociology, ethics, theology, psychology, and more), we will find that Christianity helps us to see the world as it really is. We will be better equipped to live out our whole lives as believers through cultivating a thoroughly biblical worldview. If you want to understand the main ideas that shape our culture, defend your faith, and more clearly share the gospel with those who have different beliefs, then this course is for you.

Required Resources:

- *Understanding the Times*
Authors: Jeff Myers and David Noebel (ISBN: 9781434709585)

ELECTIVES

Consumer Math

Grades: 9-12

Grade 8 Eligible: No

Credit: 0.5

Cost: \$190

Lab Fee: \$0

Placement Test: No

Prerequisite: None

Instructor: Jeff Sibley

Semester: Fall

Schedule: Thursday, 10:15 AM – 12:15 PM

This course focuses on the basics of personal finance including checking, savings, budgets, tithes, and debt. Students will be informed on ways to be a wise consumer with one or two field trips to a grocery store. It will also cover wages and salaries, taxes, insurance, opportunity costs, and cash flow.

Required Resources:

- *Consumer Mathematics in Christian Perspective, 2nd Edition*
Publisher: Abeka Press

ELECTIVES

Driver Education

Ages: 14 ½ & Up (DOB before 07/07/10)

Grade 8 Eligible: No

Credit: 0.5

Cost: \$190

Lab Fee: \$0

Placement Test: No

Prerequisite: None

Instructor: Jeff Sibley

Semester: Spring

Schedule: Thursday, 8:00 AM – 10:00 AM

The class is designed to help students become better drivers and to satisfy insurance requirements for driver's education discounts. Content will include basic driver instruction and prepare students to take the Alabama Learner's Permit/License tests. No actual driving instruction will occur. The class will include basics of automobile care and maintenance along with boating safety and motorcycle use. Students will also learn phone-based and paper-based map skills, as well as traffic and parking laws and regulations.

Required Resources:

- Notebook (Any type)
- Text will be provided.

ELECTIVES

Speech

Grades: 9-12

Grade 8 Eligible: Yes

Credit: 0.5

Cost: \$190

Lab Fee: \$0

Placement Test: No

Prerequisite: None

Instructor: Rebecca Miller

Semester: Spring

Schedule: Thursday, 10:15 AM – 12:15 PM

The ability to communicate with others is an important life skill for everyone to practice. This skill is especially useful in our world dominated by texting and social media. In this course, students will learn to organize their thoughts and present them in a clear, logical, and engaging manner. The main goal of this course is to improve these skills and to instill confidence in one's ability to speak to a group. We will review what makes speeches successful, and students will write and present their own speeches in a friendly, supportive environment.

Required Resources:

- *A Concise Public Speaking Handbook, 3rd Edition*
Authors: Steven and Susan Beebe (ISBN: 978-0205753703)
- Note: Textbook 2nd Edition is also acceptable. (ISBN: 978-0205502448)

ELECTIVES

Yearbook Staff

Grades: 9-12

Grade 8 Eligible: Yes

Credit: 0.0

Cost: \$0

Lab Fee: \$0

Placement Test: No

Prerequisite: None

Instructor: TBA

Semester: Spring

Schedule: TBA

Join the yearbook staff and have fun preserving memories while making new ones! Students will learn communication, public relations, and marketing skills by promoting the yearbook and selling ads to local businesses. They learn to work together to design and lay out a publication, meeting deadlines and solving problems that arise. They will gain computer skills by tracking ad sales and working with photos and will learn the Pictavo yearbook program. They will use writing skills to write letters of appreciation, captions, and paragraphs developing the yearbook theme. Students will need access to a computer with internet access for weekly assignments; laptops they can bring to class are encouraged but not required.

Required Resources:

- Computer with internet access