



# 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

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### 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 9<sup>th</sup> grader or "English 10" for a 10<sup>th</sup> grader. American Literature would appear as "English 11" for an 11<sup>th</sup> grader or "English 12" for a 12<sup>th</sup> grader.

The following 9<sup>th</sup> and 10<sup>th</sup> 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 10<sup>th</sup>, 11<sup>th</sup>, and 12<sup>th</sup> 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

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### 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:**

- TBA

# SCIENCE

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## 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

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### 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, 2<sup>nd</sup> Edition*  
Authors: Marilyn M. Shannon & Rachael L. Yunis, 2013/2020 (ISBN: 9781946506603)
- *Exploring Creation with Biology: The Human Body, Solutions and Tests, 2<sup>nd</sup> Edition*  
Authors: Marilyn M. Shannon & Rachael L. Yunis, 2013 (ISBN: 9781935495970)
- *Exploring Creation with Biology: The Human Body, Student Notebook, 2<sup>nd</sup> 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

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### Physics

**Grades:** 10-12

**Grade 8 Eligible:** No

**Credit:** 1.0

**Cost:** \$380

**Lab Fee:** \$40

**Placement Test:** Yes

**Prerequisite:** Completion of Algebra 1 and 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

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### 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

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### 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 works of both fiction and nonfiction that are important to the history of Christianity. 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 workshoping 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. LePeau, 2019 (ISBN: 9780830845699)
- *The Reason for God: Belief in an Age of Skepticism*  
Author: Timothy Keller, 2009 (ISBN: 9781594483493)
- *Confessions*  
Author: Augustine, translated by Sarah Ruden, 2018 (ISBN: 9780812986488)
- *The Aeneid*  
Author: Vergil, translated by Sarah Ruden, 2021 (ISBN: 9780300240108)
- *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](http://www.press.founders.org))
- Note: Students who use audio books must also have a print version of the text.



# MATH

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## Algebra 1

**Grades:** 9-10

**Grade 8 Eligible:** Yes

**Credit:** 1.0

**Cost:** \$570

**Lab Fee:** \$0

**Placement Test:** Yes

**Prerequisite:** None

**Instructor:** Thad Roppel

**Semester:** Fall and Spring

**Schedule:** Monday, 10:30 AM – 12:00 PM  
Thursday, 10:30 AM – 12:00 PM

This course provides a full year of basic algebra from a Biblical perspective, covering functions and graphs, integers, rational numbers, exponents, polynomials, factoring, fractions, and more. The student should plan to spend 5 days a week for 45 - 60 minutes each, including class meetings.

### Required Resources:

- *Elementary Algebra (Curriculum Pack)*

Author: Harold Jacobs, 2016 (ISBN: 9781683443575)

Note: The Curriculum Pack includes Textbook and Teacher Guide, with solutions.

# MATH

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## 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

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### 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

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### Spanish 1

**Grades:** 9-11

**Grade 8 Eligible:** Yes

**Credit:** 1.0

**Cost:** \$570

**Lab Fee:** \$0

**Placement Test:** No

**Prerequisite:** None

**Instructor:** Lu Fernandez

**Semester:** Fall and Spring

**Schedule:** Monday, 2:15 PM – 3:45 PM  
Thursday, 2:15 PM – 3:45 PM

Spanish 1 is an introductory course for beginners designed to establish 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, listen, read, and write in the Spanish language at a basic level. Students will be introduced to Hispanic cultures to give them a greater appreciation for the rich diversity of God's world. They will participate in cultural activities in the classroom and have an opportunity to practice their Spanish language skills by taking a field trip to a local Mexican restaurant. As one of the top three most used languages in the world (and the internet!), understanding Spanish can create career possibilities for your student, as well as present a different global perspective.

**Required Resources:**

- TBA

## ELECTIVES

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### 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:** Monday, 2:15 PM – 3:45 PM  
Thursday, 2:15 PM – 3:45 PM

This course is a continuation of Spanish 1.

**Required Resources:**

- TBA

## ELECTIVES

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### Worldview: Making Sense of Reality

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

**Grade 8 Eligible:** No

**Credit:** 0.5

**Cost:** \$190

**Lab Fee:** \$0

**Placement Test:** No

**Prerequisite:** None

**Instructor:** Aaron Wine

**Semester:** Fall

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

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

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### 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

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### 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

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### 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, 3<sup>rd</sup> Edition*  
Authors: Steven and Susan Beebe (ISBN: 978-0205753703)
- Note: Textbook 2<sup>nd</sup> Edition is also acceptable. (ISBN: 978-0205502448)

## ELECTIVES

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### 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