



COURSE DESCRIPTIONS

High School On-Campus

2022-2023

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 15.

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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 a.m. – 12:15 p.m.

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:

- *Exploring Creation with Physical Science, 2nd Edition*
Author: Dr. Jay Wile (ISBN: 978-1932012774)
- *Exploring Creation with Physical Science Solutions and Tests, 2nd Edition*
Author: Dr. Jay Wile (ISBN: 978-1932012781)
- Note: The Solutions and Tests Manual should be kept by the parent until the instructor gives permission to use it.

Full – Waitlist Only

SCIENCE

Biology

Grades: 9-12

Grade 8 Eligible: No

Credit: 1.0

Cost: \$475

Lab Fee: \$40

Placement Test: No

Prerequisite: None

Instructor: Pam Brownfield

Semester: Fall and Spring

Schedule: Tuesday, 10:15 a.m. – 12:45 p.m.

In this course, your student will be introduced to the intricate world of biology. Through hands-on laboratory exercises, lectures, discussions, guest speakers, and (Lord willing) field trips, your student will be exposed to the principles of biology focusing on both the creation and the Creator. As we explore various topics throughout the year, your students should develop a new love for the world around them. Whether it is the world of plants, animals, or even microscopic organisms, biology offers a wide range of topics that everyone will come to appreciate and hopefully, love.

Required Resources:

- *Exploring Creation with Biology, 2nd Edition*
Author: Dr. Jay Wile (ISBN: 978-1932012545)
- *Exploring Creation with Biology Solutions and Tests, 2nd Edition*
Author: Dr. Jay Wile (ISBN: 978-1932012552)
- Note: The Solutions and Tests Manual should be kept by the parent until the instructor gives permission to use it.
- Handheld Magnifying Glass
Similar to: <https://www.amazon.com/Lnchett-Magnifying-Magnifier-Non-Scratch-Lightweight/dp/B07FS2ZNV2>
- Radish Seeds (Minimum 100 seeds)
Purchase now. Seeds can be difficult to find in fall/winter.
Available at Wal-Mart, Lowes, etc. or on-line

SCIENCE

Chemistry

Grades: 10-12

Grade 8 Eligible: No

Credit: 1.0

Cost: \$475

Lab Fee: \$40

Placement Test: No

Prerequisite: Algebra 1, and currently taking Geometry, Algebra 2, or a higher math course.

Instructor: Chara Grace Marchio

Semester: Fall and Spring

Schedule: Tuesday, 10:15 a.m. – 12:45 p.m.

Chemistry is often called “the central science” because it is so fundamental to understanding other sciences and technologies. This course gives students an understanding of introductory chemistry concepts that will prepare them for a college freshman chemistry course and equip them to see chemistry as essential to our daily lives. Emphasis is placed on glorifying God by highlighting the beauty of His design in the chemistry of the world around us.

Required Resources:

- *Discovering Design with Chemistry*
Author: Dr. Jay L. Wile (ISBN: 978-0996278461)
- *Answer Key & Tests for Discovering Design with Chemistry*
Author: Dr. Jay L. Wile (ISBN: 978-0996278478)
- Note: The Solutions and Tests Manual should be kept by the parent until the instructor gives permission to use it.

SCIENCE

Human Anatomy and Physiology

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 a.m. – 12:45 p.m.

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 and Rachael L. Yunis (ISBN: 978-1935495727)
- *Exploring Creation with Biology: The Human Body, Solutions and Tests, 2nd Edition*
Authors: Marilyn M. Shannon and Rachael L. Yunis (ISBN: 978-1935495970)
- Note: The Solutions and Tests Manual should be kept by the parent until the instructor gives permission to use it.
- *Exploring Creation with Biology: The Human Body, Student Notebook, 2nd Edition*
Authors: Marilyn M. Shannon and Rachael L. Yunis (ISBN: 978-1940110387)
- *Anatomy Coloring Book, 8th Edition (Kaplan Test Prep)*
Authors: Stephanie McCann and Eric Wise (ISBN: 978-1506276403)

ENGLISH

Essay Writing

Grades: 9-10
Grade 8 Eligible: Yes
Credit: 1.0
Cost: \$380
Lab Fee: \$0
Placement Test: No
Prerequisite: None

Instructor: Kathy Lynch
Semester: Fall and Spring
Schedule: Monday, 8:00 a.m. – 10:00 a.m.

Students will practice correct grammar and writing skills as they learn how to compose effective paragraphs and fundamental components needed for the five-paragraph essay. This course will cover thesis statements, elements of organization, transitions, introductions, and conclusions. Instruction in class will be given to teach students how to compose descriptive, narrative, expository, persuasive, and other types of essays with prompts provided by the instructor. Students will learn how to cite sources used for their papers using correct MLA format.

Required Resources:

- *Writers Inc: A Student Handbook for Writing and Learning*
Authors: Patrick Sebranek, Dave Kemper, and Verne Meyer
(ISBN: 978-0669529951 / 0669529958)
Note: Earlier editions of textbook are also acceptable.
- *The Elegant Essay Writing Lessons, Student Book 3rd Edition*
Author: Lesha Myers (ISBN: 978-0977986019)
- *The Boy in the Striped Pajamas*
Author: John Boyne (Any Edition)
- *The Giver*
Author: Lois Lowry (Any Edition)
- 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:** Deborah Stabler**Grade 8 Eligible:** No**Semester:** Fall and Spring**Credit:** 1.0**Schedule:** Monday, 8:00 a.m. – 10:00 a.m.**Cost:** \$380**Lab Fee:** \$0**Placement Test:** No**Prerequisite:** One Semester High School English

Advanced Composition with Research Writing teaches students how to write various forms of composition including narratives and description, and classic essays including process and analogy, cause and effect, comparison, and persuasive. A strong literature component gives students opportunities to respond to literary works to include *The Pearl* by John Steinbeck, *Great Expectations* by Charles Dickens, one Shakespeare play, and at least one short story. A research component teaches basic research writing techniques, how to follow MLA guidelines, how to avoid plagiarism, how to summarize articles and incorporate information into a report, and how to write short and longer research assignments. Students will also develop a high school resume, complete a sample scholarship application that includes an essay, and learn job application and interview skills.

Required Resources:

- *Elements of Style, 4th Edition*
Authors: William Strunk, Jr. and E.B. White (ISBN: 978-0205309023)
- *Format Writing, 2016 Edition*
Author: Frode Jensen (ISBN: 978-0890519929)
- *A Rookie's Guide to Research, 4th Edition*
Authors: Barbara Mills and Mary Stiles (ISBN: 978-0972140430)
- *The Pearl*
Author: John Steinbeck (ISBN: 978-0140177374)
- *Great Expectations*
Author: Charles Dickens (ISBN: 978-0486415864)

SOCIAL SCIENCE

American Government and Economics

Grades: 9-12

Grade 8 Eligible: No

Credit: 1.0

Cost: \$380

Lab Fee: \$0

Placement Test: No

Prerequisite: None

Instructor: Becky Robertson

Semester: Fall and Spring

Schedule: Tuesday, 8:00 a.m. – 10:00 a.m.

U.S. Government will present government in America as our founding fathers intended it, how it has evolved over the years, and the difference between the “original intent” and “living document” arguments. Students will learn about the Constitution, the three branches of government, political parties, processes, and how the republican process affects the world today. By relating what the founding fathers wrote with what is happening on the national, state, and local levels, students should become better prepared to participate in the political process.

Economics will include sections on the history of economics, an overview of both macro and microeconomics, how economics affects everyday life, and personal finances—all considering what the Word of God teaches. Students will see how money can be used for good locally and nationally, how it can be used for selfish gain, and how it can be used to ruin an individual or nation. In the section on personal finances, students will learn about personal banking and credit cards, household finances and avoiding debt.

Required Resources:

- *American Government in Christian Perspective, 3rd Edition*
Author: William R. Bowen (Abeka)
- *Economics: Work & Prosperity in Christian Perspective*
Author: Russell Kirk (Abeka)

ELECTIVES

Spanish 1

Grades: 9-11

Grade 8 Eligible: Yes

Credit: 1.0

Cost: \$570

Lab Fee: \$0

Prerequisite: None

Instructor: Omar Ibañez

Semester: Fall and Spring

Schedule: Monday, 8:00 a.m. - 9:00 a.m.

Spanish 1 is an introductory course for beginning students. It provides a strong foundation to promote future success in learning the Spanish language. The course is designed to equip students with the grammar and vocabulary needed to speak and understand the Spanish language at a basic level. Additionally, this course will introduce students to the cultures and give them a greater appreciation for the rich diversity of the world. Spanish is one of the top three most used languages in the world (and the internet!), underlining the importance of this language in your student's career possibilities for your student, as well as present a different global perspective.

Required Resources:

- *¡Avancemos!: Spanish for Dummies* (3rd Edition)
Publisher: Houghton Mifflin Harcourt (ISBN: 978-0544861213)
- *Merriam-Webster's Spanish-English Dictionary*
Publisher: Merriam-Webster (ISBN: 978-0877792970)
- Note: An online subscription may also be needed.
(These resources are currently under consideration.)

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: Omar Iba

Semester: Fall and

Schedule: Monday, 8:00 a.m. - 10:00 a.m.

This course is a continuation of Spanish 1.

Required Resources:

- *¡Avancemos!: Student Text - Level 2*
Publisher: Houghton Mifflin Harcourt (ISBN 978-0-61220-000-0)
- *Merriam-Webster's Web Online Spanish Dictionary*
Publisher: Merriam-Webster (ISBN 978-0-2970-0000-0) **OR**
Student may also use any online dictionary from his/her Spanish 1 course.
- Note: Workbook and other materials may also be needed.
(These resources are subject to change under consideration.)

ELECTIVES

Introduction to Interpreting the Bible

Grades: 10-12

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 a.m. – 10:00 a.m.

Christians are “people of the Book.” We believe that God has spoken, and his Words make up the Holy Bible. But what does he say? How should we understand God’s Word? Do we approach the Bible like any other piece of literature, or are there special rules of engagement when God is the author? In this course, we will learn to read the Bible well. We will develop “biblical reasoning” that is informed by our faith in the Lord and our desire to know him. We will become more familiar with the grand story of the Bible, which will help us locate where we are when we read. We will prepare to enter a world that does not believe in the authority of Scripture and have a firm foundation to stand on against various errors. If you want to grow in your ability to wield the “sword of the Spirit, which is the word of God” (Eph. 6:17) and your confidence to “rightly handle the Word of Truth” (2 Tim 2:15), then this course is for you.

Required Resources:

- *40 Questions About Interpreting the Bible, 2nd Edition*
Author: Robert. L. Plummer (ISBN: 978-0825446665)

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, 8:00 a.m. – 10:00 a.m.

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

TeenPact

Grades: 8-12

Grade 8 Eligible: Yes

Credit: 0.0*

Cost: \$0

Lab Fee: \$0

Placement Test: No

Prerequisite: None

Instructor: TeenPact Alumni

Semester: Spring (3-6 weeks only)

Schedule: TBD (January/February)

This course gives students experience in writing and presenting a bill, following parliamentary procedure, researching, and responding to legislative issues, and appropriately expressing their views to government leaders. It is open to any eligible student interested in learning about TeenPact. Participation in a week-long TeenPact Leadership School is encouraged but not required. (Alabama state classes are held annually in late February/early March in Montgomery.)

Participation in this course does not register a student in any TeenPact event. Students who plan to participate in a state TeenPact Leadership Class must register individually. (see [TeenPact.com](https://teenpact.com) for details).

**Students may earn 0.5 credit for Government by participating in two major TeenPact events.*

Required Resources:

- *Real Citizenship*
Author: Tim G. Echols (ISBN: 978-0975861417)

ELECTIVES

Yearbook Staff

Grades: 9-12

Grade 8 Eligible: Yes

Credit: 0.0

Cost: \$0

Lab Fee: \$0

Placement Test: No

Prerequisite: None

Contacts: TBD

Semester: Spring

Schedule: TBD

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

ADDITIONAL INFORMATION

Grade 8 Student Eligibility

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

- Algebra 1
- Composition or Essay Writing
- Physical Science
- Spanish 1
- Speech

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

- TeenPact
- 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.

- Essay Writing (2022-2023)
- Composition (2023-2024)

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 (2022-2023)
- American Literature (2023-2024)
- Advanced Composition with Research Writing (2024-2025)
- Elements of Literature Across Genres (2025-2026)

Social Science Course Rotation

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

- American Government / Economics (2022-2023)
- U.S. History (2023-2024)
- World History (2024-2025)
- Geography (2025-2026)