



**HERITAGE CHRISTIAN HIGH SCHOOL  
 COURSE DESCRIPTIONS  
 2018-19**

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“...but those who hope in the LORD will renew their strength.  
 They will soar on wings like eagles; they will run and not grow weary,  
 they will walk and not be faint.” Isaiah 40:31

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# ART

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Visual Art classes offer opportunities to grow in imaginative, creative, and critical thinking skills. Students learn about art throughout history and across cultures. They make informed judgments about artworks and discuss biblical views of beauty and the nature of art. Students also develop their practice of art-making in skill, expression, and originality with a wide variety of mediums and subject matter in both traditional and innovative techniques.

## **ACADEMY of FINE ARTS – VISUAL ARTS**

Students with a strong interest in art may obtain the “Academy” designation on their transcripts if they complete the following sequence of courses: Intro to 2D or Intro to 3D or Photography, AP Studio Art, and at least 3 semesters of the following courses: 2D Design, Drawing, Painting, Advanced 3D Art, Ceramics, Advanced Photography, and Studio Art Portfolio. An internship related to art is also required during the junior and/or senior year.

### **INTRODUCTION to 2D ART 1 Semester/1 Credit**

**Grades 9-12**

This course emphasizes understanding of the elements, principles, and design concepts that serve as a foundation for all works of art. Project work includes practice in drawing, painting, and two-dimensional design.

### **2D DESIGN 1 Semester/1 Credit**

**Grades 9-12**

Prerequisite: Intro to 2D

The emphasis of this course is to further develop compositional skills in 2-dimensional design. Students employ design elements and principles in a variety of media (printmaking, collage, mixed media, visual communications). Project work is produced traditionally and digitally.

### **DRAWING 1 Semester/1 Credit**

**Grades 9-12**

Prerequisite: Intro to 2D

This course emphasizes continued development of rendering skills and expressive qualities in drawing from direct observation, photographs, and imagination. Students explore a variety of subjects in a variety of media (pencil, charcoal, pastels, ink).

### **PAINTING 1 Semester/1 Credit**

**Grades 9-12**

Prerequisite: Intro to 2D

This course emphasizes continued development of rendering skills and expressive qualities in painting from direct observation, photographs, and imagination. Students explore a variety of subjects in a variety of media (watercolor, acrylics, mixed media).

### **INTRODUCTION to 3D ART 1 Semester/1 Credit**

**Grades 9-12**

This course emphasizes understanding of the elements, principles, and design concepts that serve as a foundation for all works of art. Project work includes practice in ceramics and other sculptural art forms.

### **ADVANCED 3D ART 1 Semester/1 Credit**

**Grades 9-12**

Prerequisite: Intro to 3D

This course allows students to further develop skills in designing and creating three-dimensional forms including sculpture (assembling, modeling, carving), jewelry, and fiber arts. Students explore and practice many techniques, materials, and subject matter.

**CERAMICS**  
**1 Semester/1 Credit**

**Grades 9-12**

Prerequisite: Intro to 3D

The emphasis of this course is to further develop skills in designing and creating works in clay. Students practice hand-building (slab, pinch, coil construction) and wheel-throwing techniques with a variety of glazing and firing processes with sculptural and functional forms. Students will be responsible to supply approximately \$20 worth of materials.

**PHOTOGRAPHY**  
**1 Semester/1 Credit**

**Grades 9-12**

The camera and computer are simply a different format for achieving the same course goals as in the traditional art studio. Students will become familiar with their DSLR camera and with the elements, principles, and design concepts that serve as a foundation for all works of art. Students learn to use Adobe Photoshop Lightroom to edit their photography and create digital designs in Adobe Photoshop. Students also survey the history of art photography and discuss the worldviews expressed by artists throughout time. A consumer/prosumer level DSLR is an integral tool needed to successfully complete this course. In addition, students are required to print images at their own expense on a weekly basis.

**ADVANCED PHOTOGRAPHY**  
**1 Semester/1 Credit**

**Grades 9-12**

Prerequisite: Photography

This course builds on the skills developed in Photography as students learn to further explore photography as a medium for their own creative nature. There are many sophisticated techniques covered in this class as inspiration for each student to find their own vision as an artist. By exploring photographic history, design principles, and the camera, students create a body of work that reflects a range of problem-solving, creative expression, and technical ability. Students research, journal, participate in class critiques, and have artistic dialogues that serve to inspire them in their creative process. A consumer/prosumer level DSLR is an integral tool needed to successfully complete this course. In addition, students are required to print images at their own expense on a weekly basis. *This course is repeatable.*

**ART PORTFOLIO (2D, 3D, or PHOTOGRAPHY)**  
**1 Semester/1 Credit**

**Grades 11-12**

Prerequisite: 2 semesters of Visual Art coursework

This course is designed for students with focus and personal motivation to develop their art portfolio. Project assignments allow students to work in their chosen medium in order to find their own vision as an artist. Students will create a body of work that reflects a range of problem-solving, creative expression, and technical ability. Students will research, journal, participate in class critiques, and have artistic dialogues that will serve to inspire them in their creative process. *This course is repeatable.*

**ADVANCED PLACEMENT STUDIO ART**  
**1 Semester/1 Credit**

**Grades 11-12**

Prerequisite: Successful completion of advanced art coursework and approval of the instructor

AP Studio Art is an advanced, college-level course that prepares students for post-secondary study in the Visual Arts. The course is structured around portfolio development in the student's chosen area of art, which can include 2D Design, 3D Design, or Drawing. At the end of the course, portfolios are evaluated by College Board qualified readers and scored according to the quality of the student's achievement. Students considering enrollment should first meet with the instructor to discuss their area of interest and their readiness to create AP level work. *While not required, it is strongly recommended that students take a second period of art in order to provide enough time to complete their portfolio.*

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## BIBLE

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The flow of Heritage Christian's Bible curriculum is based on a core of seven key concepts that will be repeated through every grade level. **Bible study** is the basis for students owning their beliefs through inductive work in the text of Scripture. **Christian doctrine** solidifies crucial tenets based on biblical truths. **Worldview interaction** allows students to challenge the truth or error of any thought system. **Church history** reminds the 21<sup>st</sup> century mind that opportunities and problems are not new; present answers are found in the past. **Relationships** are built on biblical principles or destroyed by their absence. **Apologetics**, defense of the faith, is woven through every discussion, project, paper, and preparation for future persuasion. **Reverse Integration** is bringing other subjects into the curriculum for synthesis and biblical interpretation.

Each grade level builds upon the two great truths of Genesis: (1) God exists and (2) He has spoken. Based on God's attributes and the canonicity of Scripture, students are taught to think as Christians becoming transformational agents in culture. The discipleship of young Christian minds is dependent upon the reliable text of Scripture, the credible concert of truth, the verifiable witness of personal change, the dependable demonstration of practical use in creation, and the indelible mark of Christian instructors.

Beginning in 2015-16, all Bible courses will become one semester in length, and students will be required to complete a minimum of 6 semesters of Bible by graduation – 3 courses as underclassmen and 3 more as upperclassmen. No specific Bible class is required, so students may choose from a variety of offerings based on their interests. The current offerings are listed below, but others may be added in the future. *Note that Bible courses are offered on a rotation basis, so not all of the below are available every academic year.*

### **BIBLE 9/10**

**Grades 9-10**

#### **1 Semester/1 Credit each**

**Attributes of God** – What are the characteristics of God found in the Bible? This course studies God's characteristics, their biblical basis, and how they help us know Him.

**Biblical Manhood and Womanhood** – There is a divine design in how God has made man and woman: equal but different. Students will study God's purposes for gender to help them develop a biblical worldview regarding modern-day issues like identity, roles, norms, and relationships.

**Christian Mission** – What is the mission of God in the world? How are we to participate in it? Students will learn how their own lives can reflect God's mission, and there will be a focus on missionaries involved in global missions.

**The Gospel in the Beginning** – When we think of the Gospel, we think of the New Testament. This course shows how the Gospel is present from the beginning of the Bible in Genesis.

**The Gospel of John** – This course is a study of Jesus' worldview and message as it is presented in the gospel of John.

**How to Study the Bible** – Students will learn a basic method for Bible study. Following this will be a study of different types of literature found in the Bible. Reading a small handbook plus lots of in-class assignments will be required.

**Introduction to the Christian Faith** – Students will be introduced to the basics of the Christian faith. The class will include an overview of the biblical story and study of important beliefs in the Christian faith. Reading in the Bible plus 1-2 small books is required. *This class is intended for students who are brand new to Heritage with minimal Bible background.*

**Life of Christ** – This course is a chronological study of the life and ministry of Jesus.

**BIBLE 11/12**  
**1 Semester/1 Credit each**

**Grades 11-12**

**Biblical Counseling** – The Bible calls Christ our “Wonderful Counselor,” but how often do we truly use His Word to counsel ourselves or others? Students will study different theories on counseling and change as well as the importance of applying biblical truths to life’s problems, both large and small.

**Bioethics** – Technological advances in medicine increase at a rapid pace. We often don’t consider all the consequences of that advancement. Is everything we do medically really that good? Students will address the major questions of biomedicine and propose Christian responses to those questions.

**Christian History and Theology** – How have Christians tried to understand and communicate the truth of the scriptures throughout the history of the faith? Students will study Christian history and the major beliefs of the faith to help them develop a sound doctrine for living the Christian life.

**Christian Living: Biblical Community** – Students will explore the essentials of biblical community. There will be a focus on how these essentials relate to the doctrines of the Trinity, Man, Sin, Christ, and the Holy Spirit. Different environments will be studied, including face-to-face community and community through digital media.

**Introduction to the Christian Faith** – Students will be introduced to the basics of the Christian faith. The class will include an overview of the biblical story and study of important beliefs in the Christian faith. Reading in the Bible plus 1-2 small books is required. *This class is intended for students who are brand new to Heritage with minimal Bible background.*

**New Testament: Romans** – Students will survey Paul’s doctrinal masterpiece. Focus will be on Paul’s theology of justification by grace through faith alone, exploring the issues in the church of Rome, and analyzing the Gospel of Jesus Christ.

**Non-Christian Religions** – Students will study several non-Christian religions, like Judaism and Buddhism, and learn how to address these religions with biblical truth. Students will also consider why other religions exist and if they contain any truth.

**Old Testament: Leviticus** – Christ is foreshadowed in all of the Old Testament. Students will study the unique laws, sacrifices, and regulations set forth by God for the nation of Israel. Students will also see how these things point to Jesus as the Messiah and fulfillment of God’s law.

**Social Ethics** – This course will ask students to analyze and draw conclusions about important current issues in the United States. Focus will also be placed on Christian responses to these issues. Potential social concerns may include marijuana use and drug legalization, religious liberties and minority rights, the problem of poverty, and our role in consumer culture.

**A Theology of Technology** – What is theology? What is a biblical view of technology? What does God think and teach about technology? These are a few of the questions that will be explored in the course. Sadly, most Christians have little idea of what God teaches from His Word in the area of technology. No longer are experts asking to what extent people are utilizing technology in their daily lives. Rather, the concern is to what extent technology is affecting, shaping, and consuming our relationships. For the Christian, the answer needs to come from a high view of God and His Word. This course is based off of recent research in the current area of discovering what God thinks about the digital age.

**Worldviews** – Students will analyze worldviews like Naturalism and Existentialism. How do they compare to the Christian worldview? Reading primary sources and writing about worldviews is required.

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# BUSINESS

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## ACADEMY of FINANCE

The Academy of Finance (AoF) is a specialized sequence of business courses which provide instruction in a wide variety of topics within the fields of finance, economics, and business. Students in the program will take the following four courses (5 credits) over a three-year period (listed in recommended order): Accounting, Personal Finance, AP Macroeconomics, and AP Microeconomics. Furthermore, students are expected to participate in an internship at a financial institution in the junior and/or senior year.

The Academy of Finance is ultimately designed to help students develop a thorough understanding of the complex world of finance and to prepare them for possible careers in business. However, students who plan to pursue other careers will certainly benefit from the practical curriculum of this program.

Students who do not want to commit to the AoF program may still sign up for individual business courses. However, if class space is limited, priority will be given to those who are pursuing the AoF. *Note: Some of these classes are currently provided through an online format, but there is still a designated class period available with a faculty supervisor.*

## ACCOUNTING

**Grades 10-12**

**2 Semesters/2 Credits**

This course introduces the language of business using Generally Accepted Accounting Principles (GAAP) and procedures for proprietorships and partnerships using double-entry accounting. Emphasis is placed on accounting principles as they relate to manual financial systems. The course involves understanding, analyzing, and recording business transactions, as well as preparing, analyzing, and interpreting financial reports as a basis for decision making. Students complete a simulation at the end of the first semester, which allows them to apply all of the concepts they have learned. Second semester focuses on corporations and includes additional items such as stocks, dividends and payroll. *(Online format)*

## ADVANCED PLACEMENT MACROECONOMICS

**Grades 11-12**

**1 Semester/1 Credit**

This course is based on the content established by the College Board. Students will develop an understanding of the principles of economics that apply to our economic system as a whole. Emphasis will be placed on the study of supply and demand, economic indicators, the financial sector as a whole, and government economic policies. All students are required to take the AP exam in the spring with the goal of earning college credit. This class fulfills the Economics requirement for graduation.

## ADVANCED PLACEMENT MICROECONOMICS

**Grades 11-12**

**1 Semester/1 Credit**

Prerequisite: Economics or AP Macroeconomics

This course is based on content established by the College Board. Students will develop a thorough understanding of the principles of economics that apply to the functions of individual consumers and individual businesses within an economic system. The primary emphasis of this course will be on the nature and intricacies of product markets. However, we will also cover resource markets and how government intervention affects individuals and businesses alike. All students are required to take the AP exam in the spring with the goal of earning college credit. This class fulfills the Economics requirement for graduation.

## PERSONAL FINANCE

**Grades 11-12**

**1 Semester/1 Credit**

Personal Finance is an elective designed to develop the ability to solve real world financial problems in order to become fiscally sound citizens, consumers and producers in a technological society. Areas of focus will include investments, tax return preparation and tax law, cash management, budgeting, financial planning, financial services, insurance coverage, credit management, consumer purchases, rights and responsibilities, and financial decision making skills. An additional goal of Personal Finance will be to integrate biblical teachings and examples of stewardship in the students' everyday lives and to investigate how these principles are relevant in the 21<sup>st</sup> century. *(Online format)*

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## DUAL CREDIT COLLEGE COURSES

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Heritage is committed to pursuing opportunities for high-achieving students who desire to challenge themselves academically by taking courses for college credit while still in high school. There are several different ways in which these dual credit courses may be delivered, including: 1) online, 2) on a college campus, or 3) in a Heritage classroom. Each of these options is explained in more detail below. In each case, additional fees are involved, and Heritage Christian School is not responsible for course content or grades given. **In order to receive credit for online courses, students must obtain prior approval from the Guidance Department.** Dual credit courses are generally available to sophomores through seniors, depending on the provider.

### Online Options

**Taylor University** offers a total of more than 100 dual credit courses in a variety of subject areas. Cost is \$500 (plus textbook fees) for a 3-credit hour course. Students must be 16 years old to enroll and can start a course at any time during the school year. For more information, including a course catalog, go to <https://online.taylor.edu/hs-students/>.

**Grand Canyon University** offers a number of [dual credit courses](#) at a highly discounted rate of \$52.50 per credit hour, plus textbook fees (generally under \$100). Note that these courses are time-consuming as they are condensed into 7 weeks, but students can enroll at any time. Interested students can apply directly at <http://apply.gcu.edu> or email [dualenrollment@gcu.edu](mailto:dualenrollment@gcu.edu) for more information.

**Cedarville University** also offers dual credit courses through their College Now program. Cost is \$166 per credit hour, plus textbook fees. These courses do run on a normal semester calendar, and students must register well in advance, usually by late April for the fall semester or December 1<sup>st</sup> for the spring. Students must meet Cedarville Admissions criteria and complete the College Now application process, which includes obtaining references. For more details, go to <https://www.cedarville.edu/Academics/College-Now/Admission.aspx>.

With the approval of a guidance counselor, courses may be taken from other universities as well.

### College Campus Courses

Seniors at Heritage have the option of dismissing early in order to take a course at a local college such as IUPUI or Ivy Tech. Students interested in this option should talk with a guidance counselor to see if this can be accommodated in their schedule.

### Courses Taught Onsite at Heritage

Currently, the following college classes are taught in the classroom at HCS during the normal school day. Credits are awarded through the respective colleges, and students must meet application criteria for the university to enroll.

#### **GENERAL PSYCHOLOGY (PYCH 1600) 1 Semester/1 Credit, 3 College Credit Hours**

**Grades 10-12**

PYCH 1600 is a survey course providing an introduction into understanding people's thoughts and behaviors, how to predict those thoughts and behaviors, and maybe even how to change them. The content centers on topics such as the foundations of psychology, development over the life span, how we experience the world, learning and thinking, motivation and emotion, personality, and social behavior. Students will be encouraged to think critically about psychological theories, to apply these theories to real world situations, and to reflect on how these theories impact their own lives. Total cost will be approximately \$550 (\$498 for tuition plus fees for textbooks and other materials). *Note: while this class does meet onsite under the supervision of a Heritage teacher, the majority of the instruction will be given remotely by a Cedarville professor, so it will function predominantly as an online course.*

**INTRODUCTION TO LAW and POLITICS**  
**1 Semester/1 Credit, 3 College Credit Hours**

**Grades 11-12**

This course is still being developed, but the intent is to offer a dual credit course focusing on law and/or political science. This will be a traditional class (not online) taught by a Heritage parent who is a lawyer and an adjunct professor for IWU. The projected cost is about \$500.

**INTRODUCTION TO LIFE CALLING (LDR 150)**  
**1 Semester/1 Credit, 3 College Credit Hours**

**Grades 11-12**

This course focuses on developing an understanding of the concept of life calling, the discovery of one's God-given design as a basis for this calling, and how work and individual leadership is best understood from the life calling perspective. Students will explore their own values, spiritual gifts, interests, abilities, personality traits, and experience, combining each component in an in-depth self-assessment paper. The course concludes with an investigation of leadership and the need to develop a personal mission for one's life. Curriculum and college credit is provided through Ohio Christian University. There is a \$350 fee for this course, which includes textbook costs.

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## **EDUCATIONAL SUPPORT SERVICES**

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### **ACADEMIC SKILLS**

**Grades 9-12**

**1 or 2 Semesters/.5 credits per semester**

The Academic Skills class provides additional academic support in core classes through individual and small group instruction. Students receive direct instruction daily in content areas with an emphasis on vocabulary/language development including written expression. A psychoeducational evaluation is required to determine eligibility for enrollment. There is an additional fee for Academic Skills.

### **BASIC SKILLS TRAINING – Resource**

**Grades 9-12**

**2 Semesters/1-3 credits (.5 credits per period per semester)**

Resource is offered to students whose educational needs cannot be fully met in the traditional classroom. Students meet with a resource teacher for up to 3 periods per school day, receiving an individualized education that directly corresponds with content classes and the successful completion of each class. There is an additional fee for Resource.

### **DIRECTED STUDIES**

**Grades 9-12**

**1 or 2 Semesters/.5 credits per semester**

Directed Studies is offered on a daily basis for students who need additional assistance in organization and accountability. Students receive direct instruction for the development of study skills, test-taking strategies, time management, and organizational skills. There is an additional fee for Directed Studies.

### **EDUCATIONAL THERAPY**

**Grades 9-12**

**1 or 2 Semesters/.5 credits per semester**

NILD therapy provides an interactive and dynamic method for addressing learning differences. Students receive direct instruction for two 80-minute periods per week. This intervention stimulates areas of difficulty in perception, language, cognition, or academic areas such as reading comprehension, math, or written expression. There is an additional fee for Educational Therapy.

### **INTERNATIONAL STUDENT SEMINAR**

**Grades 9-12**

**1 or 2 Semesters/.5 credits per semester**

This program provides support to students whose first language is not English through a combination of direct English language instruction and content-based instruction designed to boost vocabulary and comprehension skills in various content areas. The goal is to help these students develop and strengthen their English skills in order to be successful both in the classroom and their future endeavors. Students will meet with the instructor daily. Additional fees for this program are included in the tuition costs for international students.

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## LANGUAGE ARTS

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### **ACT/SAT TEST PREP**

**Grades 10-12**

#### **1 Semester/1 Credit**

This course will use online materials developed by Method Test Prep. Students take practice SAT and ACT tests and are guided through review of key math and English concepts covered on these standardized exams. For the most part, students will work independently and at their own pace; a teacher will be available for accountability and support but will not be presenting lessons. The majority of a student's grade will correlate to how much of the curriculum they have completed, and a small portion of the grade will reflect their scores on the end of course practice tests. *Note: this curriculum is available to all Heritage students to access at any time, whether or not they are enrolled in the prep class. This class simply provides more accountability for students to progress through the review materials.*

### **ADVANCED PLACEMENT LANGUAGE and COMPOSITION**

**Grade 11**

#### **2 Semesters/2 Credits**

Prerequisites: Students must have an English teacher recommendation and maintain a 95% average or above in regular English 9 and 10, or at least a 90% average in Honors English 9 and 10.

This is a college-level advanced composition and reading course focusing primarily on the close reading of non-fiction texts, developing recognition and application of varying rhetorical strategies, and analytical and persuasive writing. Students move past formulaic writing to writing which emphasizes content, purpose and audience. They learn to recognize the power of good language used well and how it becomes a primary means of shaping thought and calling others to action. Students are required to take the AP Exam in May, and the coursework regularly investigates the 'tools of AP' through practice exams, terminology learning, and timed essay writing. Students can potentially earn college credit or advanced placement in university coursework depending on exam performance and university guidelines.

### **ADVANCED PLACEMENT LITERATURE and COMPOSITION**

**Grade 12**

#### **2 Semesters/2 Credits**

Prerequisite: An English teacher recommendation and successful completion of AP Language and Composition, or a 95% average or above in regular English 9-11, or at least a 90% average in Honors English 9-11.

This is a college freshman-level course, which stresses critical, analytical, and creative skills in reading, discussion, and writing. Requirements include prior summer reading from a provided list. Weekly vocabulary lessons are provided. Emphasis in this course is upon the analysis of classic and contemporary literature in English and writing in response to that literature. Students are required to take the nationally administered standardized AP examination and may earn college credit or advanced placement from participating universities.

### **AMERICAN LITERATURE**

**Grade 11**

#### **2 Semesters/2 Credits**

This course explores the American tradition by surveying authors, trends, concepts, and literary movements in all genres of American literature. Literary concepts are introduced and used to interpret works by American authors from the early beginnings to modern times. Students receive instruction in argumentation, reasoning, and persuasive types of writing.

### **BRITISH LITERATURE**

**Grade 12**

#### **2 Semesters/2 Credits**

English 12 is a traditional college-preparatory course of English literature from the Anglo-Saxon epic, Beowulf, to modern British writers including authors such as Conrad, Joyce, and T. S. Eliot. Analysis of literature and written response are stressed. An intensive grammar unit is given for college preparation. Weekly vocabulary lessons are studied. A research paper and book reports are required.

## **CREATIVE WRITING**

**Grades 9-12**

### **1 Semester/1 Credit**

Creative writing is a study and application of the rhetorical writing strategies for prose and poetry. Using the writing process, students demonstrate a command of vocabulary, the nuances of language and vocabulary, English language conventions, an awareness of the audience, the purposes for writing, and the style of their own writing. Students will produce several creative projects throughout the semester, such as a short story, a narrative or epic poem, a script or short play, or other creative compositions, which demonstrate knowledge, application, and writing progress in the course content. As a final project, students will submit a writing portfolio consisting of final revisions of a number of their works from throughout the semester. *Note: This class is an elective which is not intended to replace one of the English courses required for graduation.*

## **ENGLISH 9 – Grammar & Composition**

**Grade 9**

### **2 Semesters/2 Credits**

This course emphasizes structured grammar and its function within phrases, clauses, and sentences. Course content will stress composition, literature, outside reading, and study skills. Students learn how to write a major research paper. Bi-weekly vocabulary lessons involve the study of Latin and Greek roots.

## **ENGLISH 9 INTENSIVE – Grammar & Composition**

**Grade 9**

### **2 Semesters/2 Credits**

This course covers the same basic content as English 9. However, Intensive classes have modified assignments and are smaller in size, allowing for more individualized attention. Additional support is provided through the use of a co-teaching model by partnering a high school English teacher with a teacher from Educational Support Services. Students are placed in this class based on teacher recommendation.

## **ENGLISH 10 – World Literature**

**Grade 10**

### **2 Semesters/2 Credits**

Work during this course reinforces the writing process introduced in grade nine with focus on multi-paragraph writings. Students keep a writing folder with teacher evaluations and instruction for writing improvement. Critical reading and thinking skills are enhanced through emphasis on the novel, short story, and full-length dramas. Poetry analysis is also stressed. Students have continued instruction and practice in the use of the MLA writing style in writing a research paper. Bi-weekly vocabulary lessons involve the study of Latin and Greek roots.

## **ENGLISH 10 INTENSIVE – World Literature**

**Grade 10**

### **2 Semesters/2 Credits**

This course covers the same basic content as English 10. However, Intensive classes have modified assignments and are smaller in size, allowing for more individualized attention. Additional support is provided through the use of a co-teaching model by partnering a high school English teacher with a teacher from Educational Support Services. Students are placed in this class based on teacher recommendation.

## **HONORS ENGLISH 9 – Grammar & Composition**

**Grade 9**

### **2 Semesters/2 Credits**

Prerequisites: Students must have an English teacher recommendation and maintain a 95% average or above in regular English 8, or at least a 90% average in Accelerated English 8. An entrance exam may also be required. This course includes a review of structured grammar and its function within phrases, clauses, and sentences. Course content is accelerated but still stresses composition, literature, outside reading, and study skills, and includes a major research paper. Students read additional works and write more extensively at the Honors level. Students study Greek derivatives for vocabulary.

**HONORS ENGLISH 10 – World Literature**  
**2 Semesters/2 Credits**

**Grade 10**

Prerequisites: Students must have an English teacher recommendation and maintain a 95% average or above in regular English 9, or at least a 90% average in Honors English 9.

This is an accelerated version of World Literature. In addition to what is listed above for English 10, Honors students have continued instruction and practice on multi-paragraph and research writing. They also read accelerated short stories and an additional Shakespearean play.

**HONORS ENGLISH 11 – American Literature**  
**2 Semesters/2 Credits**

**Grade 11**

Prerequisites: Students must have an English teacher recommendation and maintain a 95% average or above in regular English 9 and 10, or at least a 90% average in Honors English 9 and 10.

This accelerated and enriched course surveys American literature from the 1600s to the mid-twentieth century, and investigates the major literary movements which parallel American history. Genre study (novels, poetry, drama, non-fiction) is both independent and collaborative, emphasizing analytical and evaluative skills in student reading through the development and mastery of varying reading strategies. Students will develop their academic and reflective writing skills, complete formal literary analyses of major texts, and make multi-genre presentations of major literary movements and individual authors.

**SPEECH**  
**1 Semester/1 Credit**

**Grades 10-12**

This required course provides basic skills in speech preparation and presentation. Instruction and practice are provided in decision-making, research, writing, organizing, and presenting various types of speeches. Individual and group activities are included. Other activities include an oral presentation of a novel read each month, and bi-weekly vocabulary lessons learning by roots, prefixes, suffixes and derivatives of Latin and Greek.

**YEARBOOK**  
**2 Semesters/2 Credits**

**Grades 9-12**

Prerequisites: Application/Recommendation

This course provides a hands-on experience in yearbook preparation. Students are involved in production, theme selection and development, content determination, photography layout and design, copy writing, and advertisement for the high school yearbook. *Note: This class is an elective which does not count toward the English credits required for graduation.*

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# MATHEMATICS

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## **ACT/SAT TEST PREP** **1 Semester/1 Credit**

**Grades 10-12**

This course will use online materials developed by Method Test Prep. Students take practice SAT and ACT tests and are guided through review of key math and English concepts covered on these standardized exams. For the most part, students will work independently and at their own pace; a teacher will be available for accountability and support but will not be presenting lessons. The majority of a student's grade will correlate to how much of the curriculum they have completed, and a small portion of the grade will reflect their scores on the end of course practice tests. *Note: this curriculum is available to all Heritage students to access at any time, whether or not they are enrolled in the prep class. This class simply provides more accountability for students to progress through the review materials.*

## **ADVANCED PLACEMENT CALCULUS AB** **2 Semesters/2 Credits**

**Grades 11-12**

Prerequisite: Precalculus

This course includes an in-depth coverage of all topics required for the AP Calculus AB exam. Students are immediately introduced to the core concepts of Calculus: limit, derivative, and integral. For the remainder of the course, students delve deeper into these core concepts, learning to work with functions graphically, numerically, analytically, and verbally. Graphing calculators are used on a regular basis. All students are required to take the AP exam in the spring with the goal of earning college credit.

## **ADVANCED PLACEMENT STATISTICS** **2 Semesters/2 Credits**

**Grades 11-12**

Prerequisite: Algebra II

AP Statistics is the high school equivalent of a one semester, introductory college statistics course. In this course, students develop strategies for collecting, organizing, analyzing, and drawing conclusions from data. Students design, administer, and tabulate results from surveys and experiments. Probability and simulations aid students in constructing models for chance phenomena. Sampling distributions provide the logical structure for confidence intervals and hypothesis tests. Students use a TI 83/84/89 graphing calculator, statistical software, and applets to investigate statistical concepts. To develop effective statistical communication skills, students are required to prepare frequent written and oral analysis of real data. All students are required to take the AP exam in the spring with the goal of earning college credit.

## **ALGEBRA I** **2 Semesters/2 Credits**

**Grades 9-11**

Algebra I contains the standard topics of first year algebra: properties of real numbers; solution and evaluation of linear and quadratic equations; functions; graphing of linear, quadratic and other functions; basic operations of polynomials; solving systems of equations and inequalities; use of exponents and radicals; scientific notation; ratios; and percents.

## **ALGEBRA I with Lab** **2 Semesters/2 Credits**

**Grades 9-11**

This class, designed for students who earned below average grades in Prealgebra, covers the same topics listed above for Algebra I. However, it is two periods in length, providing additional time for students to work with the material in a variety of ways, start on homework, and get extra help in a smaller class setting. Students who scored in the "C" range or above in Prealgebra may take this class only if space permits.

**ALGEBRA II**  
**2 Semesters/2 Credits**

**Grades 10-12**

Prerequisite: Algebra I

Algebra II includes the study of the following topics: properties and attributes of functions, including linear, quadratic, polynomial, exponential, logarithmic, rational, and radical functions; matrices; conic sections; probability and statistics; and sequences and series.

**GEOMETRY**  
**2 Semesters/2 Credits**

**Grades 9-12**

Prerequisite: Algebra I

This course is designed to teach students logical reasoning and proofs. Properties of parallels and perpendiculars are considered as well as concepts about angles, triangles, polygons, circles, and right-triangle trigonometry. Congruence and similarity are woven throughout and use is made of first year algebra skills. Areas of shapes, and surface area and volume of solids are also studied.

**HONORS GEOMETRY**  
**2 Semesters/2 Credits**

**Grades 9-12**

Prerequisite: Teacher recommendation and a “B” average in Algebra I

This course covers the same basic concepts as those in regular Geometry. However, there is a greater emphasis on proofs, logic, and trigonometry. Supplementary units are included which cover Platonic Solids and Conic Sections. Students will explore connections in art, architecture, and Christian thought, as well as do special projects and papers intended to deepen understanding and stimulate creativity.

**PRECALCULUS/TRIGONOMETRY**  
**2 Semesters/2 Credits**

**Grades 10-12**

Prerequisite: Algebra II

This is a preparatory course for college mathematics. The course content consists of the algebra of real and complex numbers. Much emphasis is placed on the 12 basic functions, their transformations and applications. Trigonometric identities, conic sections, parametric equations, probability, statistics and matrices are also covered. A graphing calculator is required.

**PROBABILITY and STATISTICS (non-AP)**  
**1 Semester/1 Credit**

**Grades 11-12**

Prerequisite: Algebra 2

This course includes the concepts and skills needed to apply statistical techniques in the decision-making process. Topics include descriptive statistics, probability, and statistical inference. Practical examples based on real experimental data are used throughout. Students will plan and conduct experiments or surveys and analyze the resulting data. A graphing calculator is required (TI-83, TI-84 or TI-89).

**TRIGONOMETRY**  
**1 Semester/1 Credit**

**Grades 11-12**

Prerequisite: Algebra 2

Trigonometry provides students with the skills and understanding that are necessary for advanced manipulation of angles and measurement, as well as the foundation for common periodic functions that are encountered in many disciplines, including music, engineering, medicine, and finance. Students will also advance their understanding of imaginary numbers through an investigation of complex numbers and polar coordinates, concepts needed for fields such as engineering and computer programming. *Note: Students cannot receive credit for both Trigonometry and Precalculus since they cover the same content during one semester.*

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## MUSIC AND PERFORMING ARTS

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### **ACADEMY of FINE ARTS – MUSIC PERFORMANCE**

Students with a strong interest in music may obtain the “Academy” designation on their transcripts if they complete at least two semesters of Music Theory and/or Music History, and participate for all four years (6 semesters minimum) in one of the following areas: Band, Choir, Chapel Band, or Orchestra. (Students may choose to participate in more than one area of music, but they must earn a minimum of 4 credits in one area of specialty.) An internship related to music is required during the junior and/or senior year, and Academy students are also expected to participate in ISSMA contests.

#### **AP MUSIC THEORY** **2 Semesters/2 Credits**

**Grades 11-12**

Prerequisite: Adv. Music Theory or special permission of the instructor

This course corresponds to two semesters of an introductory college music theory course and will focus predominantly on aural skills and dictation, sight-singing, and melodic/harmonic analysis. Students will incorporate their performance skills with materials of music, score analysis, terminology, and notational skills using music from the Common Practice period (1650-1900), 20th century, folk, jazz, and popular music from the 20th and 21st centuries. All students are required to take the AP exam in the spring with the goal of earning college credit or testing into a higher level freshman music theory class in college.

#### **BAND** **2 Semesters/2 Credits**

**Grades 9-12**

Band is a full-credit, performance-oriented ensemble. The band studies a variety of types and styles of music. Emphasis is placed on music for regularly scheduled formal concerts, chapels, special school activities, athletic events, and pep sessions. The band participates annually in the Indiana State School Music Association high school band contest. Members of the band are encouraged to be involved in ISSMA solo and ensemble festivals and to study privately in order to further develop skills.

#### **CHAPEL BAND** **2 Semesters/2 Credits**

**Grades 9-12**

The Chapel Band class is designed to prepare students to lead praise and worship for school chapels. Musicians, singers, and also students interested in the technical side of praise and worship should consider taking this course. Musicians are required to audition in order to participate.

#### **COLLA VOCE** **2 Semesters/2 Credits**

**Grades 9-12**

Colla Voce is an auditioned SATB chamber choir of 20-24 voices for students with advanced vocal ability. This choir sings a variety of choral music including chamber music, vocal jazz, and contemporary a cappella music. Music history, theory and sight singing are also an integral part of the program. Class related activities outside the normal school day include school concerts, choral festivals, and various community program performances. Attendance is required outside of class for rehearsals, concerts, and other scheduled performances. Spring tours are scheduled periodically when necessary funds are secured.

#### **CONCERT CHOIR** **2 Semesters/2 Credits**

**Grades 9-12**

Concert Choir is a non-auditioned group for those who aren't yet able to take Colla Voce or who are new to choral singing. This choir sings a variety of choral music and performs in all school concerts. The main focus of this course is to develop good choral tone, improve sight-reading skills, and advance students' vocal abilities. Attendance is required outside of class for dress rehearsals, and concerts. Concert Choir also has the opportunity to tour with Colla Voce in the spring. These spring tours are scheduled periodically when necessary funds are secured.

**JAZZ BAND**  
**2 Semesters/2 Credits**

**Grades 9-12**

Prerequisite: Interview and/or audition with the instructor; participation in concert band  
This ensemble focuses on the use of jazz styles, including swing, latin, funk, rock, and others. The class is a hands-on learning environment, with students using their knowledge of the jazz styles to create music that is different and exciting. The instrumentation may vary slightly, but usually consists of these instruments: piano, bass, drums, guitar, vibes, two alto saxes, two tenor saxes, one baritone sax, four to five trumpets, and three to five trombones. In addition to playing instruments, students will learn various aspects of music theory, which are important in the process of improvising. The class meets in the morning before school begins so that students are able to fit both concert band and jazz band into their schedules. The jazz band participates in local performances, school concerts, and at least one festival per year.

**MUSIC HISTORY**  
**1 Semester/1 Credit**

**Grades 9-12**

This one semester course is an overview of the development of Western music in Europe and America. The first quarter will guide students in analyzing how music, culture and worldview have interacted in history from the renaissance through the 19<sup>th</sup> century. Second quarter will look at how music has developed in the 20<sup>th</sup> and 21<sup>st</sup> centuries with more emphasis on America's unique styles, and in our influence around the world. Students will be able to compare and contrast influences, style and common performance practices in each period of music history.

**MUSIC THEORY I**  
**1 Semester/1 Credit**

**Grades 10-12**

Students learn the basics of how music is organized and constructed within the context of key signatures, chords, intervals, meters, rhythms and ear training. This class provides the foundation for music composition and will be useful to anyone who would like to have a deeper understanding of how music "fits together". It is recommended students be able to read notes on at least one clef (treble or bass) and play an instrument or sing. Students will compose on a web-based notation program like Noteflight or an app similar to SymphonyPro. Alfred's Complete Music Theory workbook is used with supplemental materials.

**MUSIC THEORY II**  
**1 Semester/1 Credit**

**Grades 10-12**

Prerequisite: Grade of B or higher in Music Theory 1, or approval of instructor  
Students will learn more advanced elements of music theory and build on the first semester principles of melody, harmony, rhythm, texture, form, and timbre. Sight singing and ear training will be incorporated. College level texts are used along with hymns, music scores, and web-based sites, with the goal of preparing students who may be interested in taking music theory entrance exams for college. Students will create music compositions and arrangements with a web-based notation program like Noteflight or the SymphonyPro app.

**ORCHESTRA /ADVANCED STRING ENSEMBLE**  
**2 Semesters/2 Credits**

**Grades 9-12**

This performance-based ensemble is for string students with 2-3 years of instruction. Orchestra students play a variety of musical styles including classical, jazz, movie, Broadway, bluegrass and praise music. Performances include concerts in December and May, as well as the Flavor of Jazz fundraising concert in November and the Fine Arts Festival in March. Students are encouraged to participate in ISSMA Solo & Ensemble contest as well as for their churches. Full orchestra repertoire is also performed with the assistance of HS Concert Band students. After-school concerts are seldom scheduled.

Students with more advanced string skills are encouraged to audition for the Advanced String Ensemble. Spring auditions include a solo (Group I or II difficulty) and sight reading, but students new to Heritage are encouraged to contact the director for a summer audition. The pace of learning music is much faster and college level repertoire is programmed. Additional performance opportunities include playing in the Pit Orchestra for the Fall Musical as well as community events. Participation in the musical includes evening rehearsals 2 weeks before the show. Students in the Advanced Ensemble combine with the HS Orchestra strings on concerts.

**THEATER ARTS**  
**1 Semester/1 Credit**

**Grades 9-12**

Students enrolled in Theater Arts will engage in all aspects of the discipline from a Christian perspective. Students will develop acting skills through monologues, scene-work, improvisation, and script analysis. Additionally, students will design and create sets, lighting plots, and soundscapes through a rigorous creative process. Finally, students will create original scripts for future student-led one-act performances.

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## PHYSICAL EDUCATION

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### **ADVANCED PE, STRENGTH & CONDITIONING** **2 Semesters/2 Credits**

**Grades 10-12**

Prerequisites: Two prior semesters of Physical Education for Athletes or a Coach's recommendation  
This course is designed to build on the techniques of weight training and conditioning, as it pertains to athletic competition, which were previously introduced and taught in the Physical Education for Athletes class. Students will usually train with weights four days a week, with conditioning and agility work done on the off day. Expectations are greater than would be expected in a fundamental physical education course.

### **HEALTH** **1 Semester/1 Credit**

**Grade 10**

This required course discusses topics which are of special interest to teenagers. Students receive instruction in the areas of mental, physical, and personal health and hygiene; tobacco, drugs, and alcohol; human sexuality; first aid and safety; CPR; and rest and exercise. Emphasis is on physical, mental, social, and spiritual health. Currently, this course is taught separately by gender.

### **LIFETIME WELLNESS** **1 Semester/1 Credit**

**Grades 10-12**

The emphasis of this elective course is learning how to stay active in all walks of life through activities which students can participate in now and through their adult years. We will touch on aspects of physical, social, mental, emotional, and spiritual health. The course will focus on lifelong activities such as weight training, running, yoga, aerobics, golf, frisbee, tennis, and softball, as opposed to competitive sports which are less likely to be carried over into adulthood. The students may also have opportunities to take a few field trips to participate in activities such as bowling, rock climbing, laser tag, zorb ball, or the like. Additionally, we will be working with the campus maintenance crew to help with upkeep of the school property, as well as meeting with the school's kitchen staff to help create new and healthy food items that can be offered to the students and staff.

### **OFFICIATING BASKETBALL** **1 Semester/1 Credit**

**Grades 10-12**

This elective course will allow a student to be able to understand the game of basketball through the eyes of an official. Each student will learn the basic rules of the game and how to enforce those rules during live play. The students will each have the opportunity to officiate supervised games during the semester and we will have classroom sessions where we will break down film and analyze each game's officials. Local college and high school officials will be invited to speak to the class. We will take the required National Federation of High School Officials Basketball Exam, but this will not count towards becoming a certified official. Requirements for the class include: athletic clothing along with tennis shoes, a Fox 40 whistle with lanyard, and a notebook for classroom sessions.

### **PHYSICAL EDUCATION** **2 Semesters/2 Credits**

**Grade 9**

This required course provides an opportunity to develop interest in sports and recreational activities, as well as improve students' overall level of fitness. The class revolves around four general units of instruction: strength, flexibility, cardiovascular training, and team sport activities such as soccer, softball, golf, volleyball, flag football, track and field, basketball, and badminton. Currently, this course is taught separately by gender. *Note: Heritage does offer summer PE in an online format for students who need to open up more room in their schedules. Cost is \$300 per semester. Those interested should discuss this option with their guidance counselor.*

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## SCIENCE

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### ACADEMY of BIOMEDICINE

The Academy of Biomedicine is a specialized sequence of science courses which provides students with a foundation for future careers in medical fields. Students in the program will earn a total of at least 8 credits by taking the following courses: Bioethics or Medical Interventions, Honors Chemistry, Honors Physiology, and either AP Biology or AP Chemistry. Furthermore, students are expected to participate in an internship in the field of medicine.

### ACADEMY of ENGINEERING

The Academy of Engineering is a specialized sequence of science and math courses which provides students with a foundation for future careers in engineering-related fields. Students in the program will earn at least 10 credits by taking the following courses: Intro to Engineering Design, Principles of Engineering, Honors Chemistry, AP Calculus, and either Honors Physics or AP Chemistry. Furthermore, students are expected to participate in an internship in a related field.

### ADVANCED PLACEMENT BIOLOGY

**Grades 11-12**

**2 Semesters/2 Credits (plus ½ credit per semester for lab work)**

Prerequisite: Honors Physiology (preferred) or Honors Chemistry

This is an introductory college-level course that covers topics regularly included in college biology as outlined in the most recent AP Biology Course Description. AP Biology aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. The course is organized around the eight themes required by the AP Biology curriculum, with emphasis in three overarching topics: 1) Molecules and Cells; 2) Heredity and Evolution from a Christian perspective; 3) Organisms and Populations. Laboratory investigations are frequent, including a large animal dissection. This class is offered every two years and meets for two periods daily. All students are required to take the AP exam in the spring with the goal of earning college credit.

### ADVANCED PLACEMENT CHEMISTRY

**Grades 11-12**

**2 Semesters/2 Credits (plus ½ credit per semester for lab work)**

Prerequisite: Honors Chemistry

This is an introductory college-level course, equivalent to a first-year college general chemistry course as outlined in the most recent AP Chemistry Course Description. Students in this class will attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. As a continuation of Honors Chemistry, this course includes the study of reaction rates, equilibrium, and acid-base theory. Discussion also includes the structure of matter, atomic theory and structure, chemical bonding, nuclear chemistry, and the states of matter including gases, liquids and solids, and solutions. Laboratory work is a vital part of the course with each major topic having a laboratory component to allow the manipulation of quantitative data. This class is offered every two years and meets for two periods daily. All students are required to take the AP exam in the spring with the goal of earning college credit.

### ADVANCED SCIENCE, SPECIAL TOPICS – MARINE ECOLOGY

**Grades 9-12**

**1 Semester/1 credit**

Marine Ecology is a summer course available to all high school students, including incoming freshmen. Students will spend several days at “MarineLab” in Key Largo, Florida, which includes snorkeling field trips to the sea grasses, mangroves, and at least two different coral reef areas. Other activities include an invertebrate diversity lab, a plankton tow, and discussions on both reef ecology and a field identification of reef fish. The students will visit a marine sanctuary for injured sea animals and take a field trip to Bahia Honda State Park to practice learned techniques from the “MarineLab” experience. Grades will be based on participation, a daily journal, and two tests, as well as a paper and presentation on a research topic that must be approved by the instructor prior to the course. All travel and other costs related to this course are the responsibility of the student’s family. This course is applicable to Indiana State Standards.

**BIOLOGY**  
**2 Semesters/2 Credits**

**Grade 9**

This course covers the main topics of life science from a biblical, Creationist perspective. First semester concentration is on the cell, its structure, energy mechanisms, reproduction, genetics, and origin. Second semester emphasis begins with the classification system and leads into a survey of the five kingdoms of living organisms. Work also includes an examination of the relationships of organisms to each other and their environment.

**BIOLOGY II, BOTANY**  
**1 Semester/1 Credit**

**Grades 10-12**

Prerequisite: Biology

This course is structured for students who will not be majoring in science. It includes a basic overview of ecology and the importance of plants to human survival as well as a study of plant anatomy and physiology, and natural and artificial reproductive processes. Also, an herbarium of native and naturalized wildflower species will be created.

**BIOLOGY II, ZOOLOGY**  
**1 Semester/1 Credit**

**Grades 10-12**

Prerequisite: Biology

This course, which provides an overview of eucaryotic animals, is structured for students who will not be majoring in science. A representative species from each major phylum is dissected. Major characteristics, life cycles, and traits peculiar to different species are investigated, as well as animal ecology and behavior.

**CHEMISTRY**  
**2 Semesters/2 Credits**

**Grades 10-12**

Prerequisite: Algebra I

A survey of chemistry that includes the study of the mathematics of chemistry, stoichiometry, atomic structure, bonding, state of matter, reaction rates and equilibrium, acid-base theory, and electrochemistry. An emphasis is placed on laboratory work, both qualitative and quantitative.

**HONORS BIOLOGY I**  
**2 Semesters/2 Credits**

**Grade 9**

This course covers the main topics of life science from a biblical, Creationist perspective. First semester concentration is on the cell, its structure, biochemical processes, reproduction, and genetics. Second semester emphasis begins with the study of origin and ecology and broadens to the study of the five kingdoms of living organisms. Work also includes several research projects and discussions of a diverse collection of scientific articles throughout the year.

**HONORS BIOLOGY II, PHYSIOLOGY**  
**2 Semesters/2 Credits**

**Grades 10-12**

Prerequisite: Biology

This course is a detailed study of the human body and covers anatomy (gross and micro), physiology, and pathology. Tissues, organs, and systems are studied. Laboratory experiences include the anatomical dissection of the fetal pig, cow heart and eye, sheep brain and kidney, as well as other related laboratory work.

**HONORS CHEMISTRY**  
**2 Semesters/2 Credits**

**Grades 10-12**

Prerequisite: Algebra I

Honors Chemistry is an accelerated and more detailed version of the Chemistry course described above. Students are encouraged to approach learning in this class with a college mindset of exploration and personal initiative. This course is required for students who desire to take AP Chemistry.

**HONORS PHYSICS**  
**2 Semesters/2 Credits**

**Grades 11-12**

Prerequisite: completion of Algebra 2 with a minimum grade of C-

This laboratory-based course will study motion, energy, electricity, magnetism, and waves (sound, light and optics). There is a heavy emphasis on problem-solving so a strong background in mathematics is necessary in order to be successful. The covered topics are basically identical to an AP Physics I course, although not quite as in depth. Students may elect to take the AP Physics exam for possible college credit, but are encouraged to do some extra work on the side in preparation.

**INTEGRATED CHEMISTRY/PHYSICS**  
**2 Semesters/2 Credits**

**Grades 10-12**

Prerequisite: Algebra I

Integrated Chemistry-Physics is a laboratory-based course in which students explore fundamental chemistry and physics principles. Students enrolled in this course examine, through the process of scientific inquiry, the structure and properties of matter, chemical reactions, forces, motion, and the interactions between energy and matter. Working in a laboratory environment, students investigate the basics of chemistry and physics in solving real-world problems that may have personal or social consequences beyond the classroom.

**PLTW INTRODUCTION to ENGINEERING DESIGN (IED)**  
**2 Semesters/2 Credits**

**Grades 9-12**

IED is a foundation course in the PLTW (Project Lead the Way) Engineering Program. Students are introduced to the engineering profession and the engineering design process. Students work both individually and in teams to design solutions to a variety of problems using industry standard sketches and current 3D design and modeling software to represent and communicate solutions. Utilizing the activity-project-problem-based (APB) teaching and learning pedagogy, students will progress from completing structured activities to solving open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills. Ethical issues related to professional practice and product development are also presented.

*Note: This class counts as an elective but does not meet Core 40 requirements for Science.*

**PLTW MEDICAL INTERVENTIONS**  
**2 Semesters/2 Credits**

**Grades 10-12**

Prerequisite: Students must have either completed Honors Physiology or be taking it concurrently.

This course is part of the Biomedical Sciences track of the PLTW (Project Lead the Way) program. Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics.

**PLTW PRINCIPLES of ENGINEERING (POE)**  
**2 Semesters/2 Credits**

**Grades 10-12**

Prerequisite: Intro to Engineering Design

This course focuses on the process of applying engineering, technological, scientific and mathematical principles in the design, production, and operation of products, structures, and systems. This is a hands-on course designed to allow students interested in engineering careers to explore experiences related to specialized fields such as civil and mechanical engineering. Students will engage in research, development, planning, design, production, and project management to simulate a career in engineering. The topics of ethics and the impact of engineering decisions are also addressed. Activities are organized to allow students to use modern technological processes, computers, CAD software, and production systems in developing and presenting solutions to real-world problems that will serve others.

*Note: This class counts as an elective but does not meet Core 40 requirements for Science.*

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## **SOCIAL STUDIES**

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### **ADVANCED PLACEMENT GOVERNMENT** **1 Semester/1 Credit**

**Grade 12**

This course is based on content established by the College Board. Topics include: (1) constitutional underpinnings of United States government, (2) political beliefs and behaviors, (3) political parties, interest groups, and mass media, (4) institutions of national government, (5) public policy, and (6) civil rights and civil liberties. All students are required to take the AP exam in the spring with the goal of earning college credit.

### **ADVANCED PLACEMENT U.S. HISTORY** **2 Semesters/2 Credits**

**Grade 11**

This course gives high school juniors the opportunity to study college-level United States history and is designed to encourage students to think conceptually about the American past. Students develop an appreciation for and understanding of the process of historical inquiry, including the use of primary resources. They also develop a better understanding of the history of the US in political, economic, and social terms. Additionally, students will improve writing, research, library, and critical reading skills, and they will improve thinking skills, especially the ability to analyze contrasting historical documents. All students are required to take the AP exam in the spring with the goal of earning college credit.

### **ADVANCED PLACEMENT WORLD HISTORY** **2 Semesters/2 Credits**

**Grades 9-10**

Prerequisite: an A average and teacher recommendation for both 8<sup>th</sup> grade English and Social Studies

This course is based on content established by the College Board. It focuses on developing students' abilities to think conceptually about world history through the investigation of five major themes: the environment, cultures, state-building, economic systems, and social structures. All students are required to take the AP exam in the spring with the goal of earning college credit.

### **CONSPIRACY THEORIES 101** **1 Semester/1 Credit**

**Grades 9-12**

In this class, students will learn to examine controversial ideas and information with an emphasis on identifying truth, recognizing the effect of personal bias, and looking to understand historical events with objectivity, understanding and greater awareness. Topics may include war, illuminati and other secret societies, mass casualties, corporations and banking, the death of European royalty, the spread of diseases, the Russian Revolution and murder of the Romanov family, and organizations such as the WHO, NWO and FEMA. There will be an emphasis on critical thinking in regards to asking questions and researching to find reasonable explanations for events. Critical thinking questions could include: "Who is the source?", "What motives or end does this person/source/event seek to accomplish?", "Do the facts, videos, evidence, and eyewitness accounts line up?", etc. Another large emphasis will be on research: How do students find accurate information? What sources are reliable? Has history been manipulated to serve a particular person or purpose? Students will be required to do research and make presentations in this class.

### **ECONOMICS** **1 Semester/1 Credit**

**Grade 12**

This course is designed to provide students with a general overview of the basic principles of economics and Biblical stewardship. Students will develop a comprehensive understanding of supply and demand, fiscal and monetary policy, and several current economic issues. Through an ongoing study of stewardship, students will develop Biblical views of eternal investing, savings, retirement, credit, and giving.

**ETHNIC STUDIES****Grades 9-12****1 Semester/1 Credit**

Ethnic Studies provides opportunities to broaden students' perspectives concerning lifestyles and cultural patterns of ethnic groups in the United States. This course will either focus on a particular ethnic group or groups, or use a comparative approach to the study of patterns of cultural development, immigration, and assimilation, as well as the contributions of specific ethnic or cultural groups. The course may also include analysis of the political impact of ethnic diversity in the United States. Note: This class counts as an elective but does not meet Core 40 requirements for Social Studies.

**GEOGRAPHY AND HISTORY OF THE WORLD****Grade 9****2 Semesters/2 Credits**

This course is designed to enable students to study the history of the world using geographic concepts. Students use specific geographic and historical skills and concepts of historical geography to explore global themes. These skills provide the necessary tools and techniques to think geographically and historically. First semester covers the periods from Creation to the Renaissance and Reformation. Second semester begins with the Age of Exploration and Discovery and includes world events up through the end of the 20<sup>th</sup> century.

**INDIANA STUDIES****Grades 9-12****1 Semester/1 Credit**

This elective course compares and contrasts state and national developments in the areas of politics, economics, history, and culture. The course uses Indiana history as a basis for understanding current policies, practices, and state legislative procedures. It also includes the study of state and national constitutions from a historical perspective and as a current foundation of government. Examination of individual leaders and their roles in a democratic society will be included, and students will examine the participation of citizens in the political process. Selections from Indiana arts and literature may also be analyzed for insights into historical events and cultural expressions. Note: This class counts as an elective but does not meet Core 40 requirements for Social Studies.

**INTRODUCTION TO LAW and POLITICS****Grades 11-12****1 Semester/1 Credit, 3 College Credit Hours**

This course is still being developed, but the intent is to offer a dual credit course focusing on law and/or political science. This will be a traditional class (not online) taught by a Heritage parent who is a lawyer and an adjunct professor for IWU. The projected cost is about \$500.

**INTRODUCTION to LOGIC and PHILOSOPHY****Grades 11-12****1 Semester/1 Credit**

This class introduces the student to logic through the study of inductive and deductive structure and the evaluation of logical and cogent arguments; and to philosophy through the study of historically significant philosophers and the ideas that made them famous. The class will incorporate lecture, class discussion, writing, and student presentations.

**PSYCHOLOGY****Grades 10-12****1 Semester/1 Credit**

Psychology is the scientific study of mental processes and behavior. Topics covered include the scientific method, human development, cognition, personality, mental health, culture and behavior, and social attraction. Students will learn to view the above concepts through a Biblical lens and should be well prepared for a college-level Psychology course.

**PYCH 1600 (GENERAL PSYCHOLOGY)**  
**1 Semester/1 Credit, 3 College Credit Hours**

**Grades 10-12**

PYCH 1600 is a survey course providing an introduction into understanding people's thoughts and behaviors, how to predict those thoughts and behaviors, and maybe even how to change them. The content centers on topics such as the foundations of psychology, development over the life span, how we experience the world, learning and thinking, motivation and emotion, personality, and social behavior. Students will be encouraged to think critically about psychological theories, to apply these theories to real world situations, and to reflect on how these theories impact their own lives. Total cost will be approximately \$550 (\$498 for tuition plus fees for textbooks and other materials). *Note: while this class does meet onsite under the supervision of a Heritage teacher, the majority of the instruction will be given remotely by a Cedarville professor, so it will function predominantly as an online course.*

**SOCIOLOGY**  
**2 Semesters/2 Credits**

**Grades 11-12**

This introductory course studies man and his relationships in society. Topics include the unique norms, values and beliefs of US culture, socialization, gender roles, social structure & stratification, minorities, social groups, adolescence, deviance and a study of the primary social institutions. Care will be taken to discuss these issues through a theistic worldview while understanding how other worldviews affect many of the same issues.

**U.S. GOVERNMENT**  
**1 Semester/1 Credit**

**Grade 12**

This course is designed to provide an overview of the American system of government, and to help prepare students for their role as responsible citizens. The semester begins with the premise that God ordained government and then progresses to the impact of the English tradition of government on the United States. Discussion includes the three branches of government, political parties, the Constitution, as well as personal rights and responsibilities.

**U.S. HISTORY**  
**2 Semesters/2 Credits**

**Grade 11**

United States History is a chronological survey course that begins with the discovery, exploration and colonization of the New World and ends with 21<sup>st</sup> Century events. A discussion of the political, economic, and social history of the United States is included. Care will be taken to explore God's sovereignty and man's responsibility in history.

**WORLD WAR II**  
**1 Semester/1 Credit**

**Grades 9-10**

This class will study the causes and the course of World War II. It will include a study of the geographic areas of operation, the major diplomatic, political and military events, American social trends here at home, and some of the key figures of the war. Emphasis will be placed on the time period of 1918-1945. The course will also incorporate media (feature films, songs, propaganda, etc.) to enhance student understanding of the time period.

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## TEACHER ASSISTANCE

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### TEACHER ASSISTANCE

Grades 9-12

1 or 2 Semesters/.5 credits per semester

This pass/fail course allows students to assist teachers with grading and clerical duties. Some teachers may use teacher assistants to help other students, especially those assistants placed with elementary teachers. Teacher assistant assignments are made through the Guidance Office, but the assigned teacher approves the credit based on attendance, punctuality, thoroughness, and overall performance.

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## TECHNOLOGY EDUCATION

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### ADVANCED AUDIO PRODUCTION

Grades 9-12

1 Semester/1 Credit

Prerequisite: Intro to Audio Production; previous experience in music

Students will build on the skills obtained in Intro to Audio by learning more in-depth how the software instruments and Digital Audio Workstation of Logic Pro 9 work. As in Intro to Audio, the final project for this course is to create a recording of an original music piece. However, the coursework is tailored somewhat to the individual student's background and ability. Previous experience in music classes and/or performance is necessary for success in this class.

*Note: With instructor approval, students may repeat this course for multiple semesters as an independent study.*

### ADVANCED VIDEO PRODUCTION

Grades 9-12

1 Semester/1 Credit

Prerequisite: Intro to Video Production

This course builds on previous knowledge and skills gained from both Intro to Video and Intro to Audio, offering various experiences involving digital equipment in both a studio and a field environment. Students are required to produce video interviews, short films, and so on using Final Cut software and audio recording software. This course will equip students to operate studio video equipment as well as direct videos, creating screenplays, arranging or selecting musical pieces to incorporate in their films. Working in groups will be expected. *Note: With instructor approval, students may repeat this course for multiple semesters as an independent study.*

### ADVANCED PLACEMENT COMPUTER SCIENCE

Grades 10-12

2 Semesters/2 Credits

Prerequisite: PLTW Computer Science Essentials or Intro to Computer Programming

This course uses the Java programming language to introduce object-oriented programming design to students at the high school level. Students will be taught the standard Java library classes, the subset for the AP Computer Science A test, and will also be exposed to the "higher programming concepts" found on the AP Computer Science AB test. Object-oriented concepts such as objects, class design, polymorphism, overloading, inheritance, and proper use of static class variables will be emphasized. Students will be encouraged to use proper programming techniques to solve several hypothetical and real world problems. On successful completion of this class, students will understand object-oriented programming concepts, will be prepared to take the AP Computer Science A exam, and will possess the skills necessary to be successful at the entry level of a university CS program. *Note: This course and AP Computer Science Principles will be offered in alternating years.*

## **ADVANCED PLACEMENT PLTW COMPUTER SCIENCE PRINCIPLES**

**Grades 10-12**

**2 Semesters/2 Credits**

Prerequisite: PLTW Computer Science Essentials or Intro to Computer Programming

This PLTW (Project Lead the Way) course introduces students to the essential ideas of computer science and shows students how computing and technology can influence the world around them. Students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. The course engages students in the creative aspects of the field by allowing them to develop computational artifacts based on their interests. Students will also work individually and collaboratively to solve problems, and will discuss and write about the impacts these solutions could have on their community, society, and the world. All students are required to take the AP exam in the spring with the goal of earning college credit. *Note: This course and AP Computer Science will be offered in alternating years.*

## **AUDIO PRODUCTION**

**Grades 9-12**

**1 Semester/1 Credit**

Students will be introduced to the many facets of audio recording and sound reinforcement and gain a basic knowledge of the recording software, techniques and practices used. Students will learn mic placement, signal flow, how to record/track for voices and instruments, mixing and mastering techniques, and copyrighting issues. By the end of the class each student will use their creativity and new knowledge of modern software and hardware to create a recording of a piece of music and a short audio drama. All students are required to provide a "thumbdrive" (minimum 32 GB) or an external hard drive.

## **PLTW COMPUTER SCIENCE ESSENTIALS**

**Grades 9-12**

**2 Semesters/2 Credits**

This foundational PLTW (Project Lead the Way) course introduces students to coding fundamentals through an approachable, block-based programming language where they will have early success in creating usable apps. As students sharpen their computational thinking skills, they will transition to programming environments that reinforce coding fundamentals by displaying block programming and text based programming side-by-side. Finally, students will learn the power of text based programming as they are introduced to the Python programming language. The course engages students in computational thinking practices and collaboration strategies, as well as industry-standard tools authentic to how computer science professionals work. Students will learn about professional opportunities in computer science and how computing can be an integral part of all careers today. This course is the prerequisite for AP Computer Science Principles.

## **VIDEO PRODUCTION**

**Grades 9-12**

**1 Semester/1 Credit**

This course covers the basic skills of equipment operation, offering various experiences involving digital equipment in both a studio and a field environment. Students are required to complete a prescribed array of projects. The course instills a critical eye for both good and bad video production, as well as the ability to effectively execute good video production skills in the making of student projects. All students are required to provide an external hard drive (minimum of 500 GB).

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## WORLD LANGUAGES

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While French and Spanish are the only languages currently taught in a traditional classroom setting at Heritage, many students are interested in studying other languages. Such students should talk to a guidance counselor about other options, in order to make sure that the courses they take will meet graduation requirements. Heritage students have taken the following languages online for credit: American Sign Language, Chinese, German, Japanese, and Latin. Because such courses come from outside providers, there is additional cost, usually around \$600 per year.

### **FRENCH I**

**Grades 9-12**

**2 Semesters/2 Credits**

French I is an introduction to the study of the French language and culture. All four language skills (listening, speaking, reading, and writing) are developed through a variety of presentations, drills, and assignments. The course includes oral and written drills and in-class dialogues.

### **FRENCH II**

**Grades 9-12**

**2 Semesters/2 Credits**

Prerequisite: French I

This course is a continuation of French I. Language skills are developed to a greater degree as students increase vocabulary and become familiar with more complex structures of the French language. Students are exposed to history and customs of French-speaking people.

### **FRENCH III**

**Grades 10-12**

**2 Semesters/2 Credits**

Prerequisite: French II

This course completes most of the grammatical structures and verb tenses in French. Vocabulary is stressed as well as oral communication, culture, and cultural comparisons. The class is designed to prepare students for college entrance exams.

### **HONORS FRENCH IV**

**Grades 11-12**

**2 Semesters/2 Credits**

Prerequisite: French III

This course reinforces what has been learned in previous courses and puts what you know to use. We continue to build vocabulary while emphasizing literature, oral communication, and writing skills. French grammar is also reviewed, thus further preparing students for college entrance exams.

### **AP FRENCH**

**Grades 11-12**

**2 Semesters/2 Credits**

Prerequisite: French III

AP French is a university level French course. The class is conducted completely in French and focuses on six themes of contemporary life. These themes are explored through discussion, writing, and listening. Students will: read French news and magazines daily, as well as classic French literature like "Le Petit Prince"; watch important French Films such as "Au Revoir Les Enfants"; cook and eat foods from authentic recipes of many French speaking countries; and explore art, science and technology, and global challenges from the French perspective. Additionally, students are required to take the AP French Language and Culture exam in May for possible college credit. Students must have at least three years of high school level French to enroll in this course.

**SPANISH I**  
**2 Semesters/2 Credits**

**Grades 9-12**

Spanish I is an introduction to the study of the Spanish language and culture. All four language skills (listening, speaking, reading, and writing) are developed through a variety of presentations, drills, and assignments. The course includes oral and written drills and in-class dialogues.

**SPANISH II**  
**2 Semesters/2 Credits**

**Grades 9-12**

Prerequisite: Spanish I

This course is a continuation of Spanish I. Language skills are developed to a greater degree as students increase vocabulary and become familiar with more complex structures of the Spanish language. Students are exposed to the history and customs of Spanish-speaking people.

**SPANISH III**  
**2 Semesters/2 Credits**

**Grades 10-12**

Prerequisite: Spanish II

Spanish III is a continuation of Spanish II. Communication skills continue to be developed in both written and oral form. Students are exposed to the modern cultures of Spanish-speaking countries, particularly the lives of teens in those countries. The objective of these activities is to prepare students for college-level Spanish.

**HONORS SPANISH IV**  
**2 Semesters/2 Credits**

**Grades 11-12**

Prerequisite: Spanish III

Spanish IV is a continuation of Spanish III. Communication skills continue to be developed in both written and oral form. Students are exposed to the literature of Spanish-speaking countries. The objective of these activities is to prepare students for college-level Spanish.

**AP SPANISH**  
**2 Semesters/2 Credits**

**Grade 11-12**

Prerequisite: Spanish IV

AP Spanish Language and Culture is a university level course. The course is taught entirely in Spanish and will cover six themes that focus on families and communities, science and technology, beauty and aesthetics, contemporary life, global challenges, and personal and public identities. Each theme will be explored through authentic material such as newspapers, articles, interviews, audio and video. Students will develop the communication skills needed to make comparisons between the English and Spanish languages and cultures, as well as to use Spanish in real-life settings. Additionally, students are required to take the AP Spanish Language and Culture exam in May for possible college credit. Students must have at least four years of high school level Spanish to enroll in this course.