



**HERITAGE CHRISTIAN HIGH SCHOOL  
COURSE DESCRIPTIONS  
2023-24**

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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 advanced courses in the corresponding area of focus: Advanced 2D, Drawing, Painting, Advanced 3D, Ceramics, Sculpture, Advanced Photography, and Studio Art Portfolio. An internship related to art is also strongly recommended during the junior and/or senior year.

### **ART and MUSIC APPRECIATION (HUM 120) 1 Semester/1 Credit, 4 College Credit Hours**

**Grades 10-12**

This is a lecture and on-location course focusing on 20th century musical and visual art. This course exists to develop students' perceptual skills, and encourage artistic literacy, particularly as these concepts were conveyed during the past century. A major focus of this course is experiencing art and music. Written critiques on selected events are a vital part of the course curriculum. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Taylor University.*

### **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.

### **ADVANCED 2D ART 1 Semester/1 Credit**

**Grades 10-12**

Prerequisites: Grade of B or higher in Intro to 2D, Painting and Drawing, or teacher approval  
Students will acquire additional advanced 2D techniques and apply in-depth knowledge of 2D processes and media. With increasing self-direction, students continue to develop their drawing and painting skills through a variety of 2D art forms.

### **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**

The emphasis of this course is to develop skills in three-dimensional art and design. Students explore historical and cultural background and connections. Students will build on learning experiences with three-dimensional media to explore subjects and investigate personal meaning.

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

**Grades 10-12**

Prerequisites: Grade of B or higher in Intro to 3D, Ceramics and Sculpture, or teacher approval  
Students will acquire additional advanced 3D techniques and apply in-depth knowledge of 3D processes and media. With increasing self-direction, students continue to develop their sculpture skills through a variety of 3D art forms.

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

**Grades 9-12**

Prerequisite: Intro to 3D  
The emphasis of this course is to further develop creative and critical thinking skills using clay as the primary media. 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 assessed an extra fee of about \$50 to help cover the cost of materials.

**SCULPTURE**  
**1 Semester/1 Credit**

**Grades 9-12**

Prerequisite: Intro to 3D  
Sculpture class involves the exploration of three-dimensional works of art beyond the media and techniques used in Intro to 3D. Students will expand upon these skills and experiences and will create realistic and abstract sculptures with plaster, wire, polymer clay, found objects, wood, glass or metal. Students will explore the use of space, volume and form by using the subtractive and additive processes of carving, modeling, construction, and assembling methods. Students will use problem solving and critical thinking skills, make historical connections, and find direct correlation to other disciplines.

**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 camera is required to complete this course.

**ADVANCED PLACEMENT STUDIO ART**  
**2 Semesters/2 Credits**

**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.

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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.

All Bible courses are 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. The Worldview course is required, and Life of Christ (or NT Survey) will also be required beginning with the class of 2027. Otherwise, students may complete Bible requirements by choosing 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 COURSES** **1 Semester/1 Credit each**

**Grades 9-10**

**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** – Students will examine the meta-narrative (big picture) of the gospel observed in Genesis. Bible stories that were individually learned as a child will be explored from the perspective of their connection to the big picture of God's plan for the salvation of humanity. The themes "Elect Line of Christ", Name, and Original Sin will be explored.

**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.

**Judges** – Students will consider the significance of consequences when people disregard and disobey God's clear Word. Students will explore the major theme of the book of Judges as they follow the progression of Israel failing to drive the Canaanites out of the land and the resulting natural moral decline of the nation. Students will be challenged to consider that although God asks us to do difficult things, he expects obedience. A proper study of the book of Judges will allow the student to first note the main themes based on the interaction between God and Israel, and then consider practical implications that can be applied to the church today.

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

**New Testament Survey/Life of Christ** – This is a dual credit college course which may be taken in place of the regular Life of Christ course. Students are introduced to the person and work of Jesus Christ found in the entirety of the New Testament. The focus of the course begins with the life of Jesus from the perspectives of the gospel writers, but then progresses to examine the impact of Jesus’ life in the years that follow his resurrection as his apostles take the Good News to the ends of the earth. Authors and their letters to the church will be explored, concluding with John’s vision of end times. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Grace College.*

**Parables of Jesus** – Students will observe and reflect on the teachings of Jesus known as parables. Although we should not build doctrines out of a parable, there is much to learn about the kingdom of God through Christ’s metaphors and story-telling.

## **BIBLE 11/12 COURSES** **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 regardless of environment or experience. Priority is given to the theological progression of these essentials in relation to: Trinity, Man, Sin, Jesus Christ, and the Holy Spirit. Environments will be assessed including face-to-face relationships, as well as the unique environment of digital media.

**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 explore the unique laws, sacrifices, and regulations set forth by God for the nation of Israel. Students will be introduced to the fact that all of the Levitical system points one toward a Messiah who can fulfill God’s law, and will assess how Jesus is priest and sacrifice as seen in the O.T. system.

**Pneumatology** – A biblical study on the work and purpose of the Holy Spirit is very crucial to a believer's proper understanding of not only God, but also God's roles in one's salvation. Unfortunately, our culture today has attempted to either put far too much emphasis on the Spirit and His work, which then takes glory away from Jesus, or not enough emphasis on Who exactly the Spirit of God is and what specifically His primary responsibilities are as the third Person of the God-head. This course is designed to give students a biblically and theologically sound introduction to the Person of God Who is the Spirit.

**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 does God and his Word have to say about technology? This course establishes a foundation for a proper theology of technology through the examination of Scripture and current scholarly articles (both Christian and non-Christian). Students will be able to give an answer for the issues surrounding a culture’s use and misuse of technology.

**Worldview** – 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. *This course may be taken for dual credit. Students choosing this option will have some extra assignments and must pay an additional fee (approximately \$250) for college tuition. College credits are issued by Taylor University.*

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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.

### ACCOUNTING PRINCIPLES I 1 Semester/1 Credit, 3 College Credit Hours

**Grades 10-12**

An introduction to the language of business. Financial transactions are analyzed, recorded, summarized and reported in a meaningful manner to management. Also studied are basic financial statements and the various accounting and internal control procedures for recording and protecting assets. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by an accredited partner university.*

### ACCOUNTING PRINCIPLES II 1 Semester/1 Credit, 3 College Credit Hours

**Grades 10-12**

Prerequisite: Accounting Principles I

Accounting problems and procedures pertaining to partnerships and corporations are studied. Also studied are various accounting procedures and reports used by management in acquiring fixed assets, budgeting and controlling manufacturing and departmental operations, reporting financial conditions, and analyzing the results of operations. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by an accredited partner university.*

### ADVANCED PLACEMENT MACROECONOMICS 1 Semester/1 Credit

**Grades 11-12**

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.

## **ENTREPRENEURSHIP**

**Grades 10-12**

**1 Semester/1 Credit**

The curriculum for this course is provided through an organization called Boss Club. This class uses a cross-curricular, project-based learning method to practically instill the fundamentals of work ethic, financial stewardship, people skills, and business basics such as product design, pricing, marketing and sales, financial reporting, and community stewardship. Over the course of the semester, students will design and launch their own small business.

## **INTRODUCTION to BUSINESS (MGT 201)**

**Grades 10-12**

**1 Semester/1 Credit, 3 College Credit Hours**

MGT 201 covers the foundational concepts of establishing and operating successful ventures in the highly competitive global economy. Students learn to identify and differentiate the major business disciplines of accounting, economics, finance, marketing, and management-leadership. Students will be exposed to key business leadership principles, strategies, technologies and disciplines used in the 21st Century enterprise, through a combination of case analysis, projects and simulation exercises. Total cost will be approximately \$450 (\$400 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 Taylor University professor, so it will function predominantly as an online course.*

## **PERSONAL FINANCE**

**Grades 10-12**

**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.

## **PRINCIPLES of MARKETING (MKT 2150)**

**Grades 11-12**

**1 Semester/1 Credit, 3 College Credit Hours**

A study of the many facets involved in the field of marketing. Emphasis is given to both the modern marketing system in today's international economy and to the marketing strategies of an organization. Topics include types of markets, market segmentation methods, research methods, product and service strategies, product planning, new product development, distribution channels, sales, advertising and pricing. Special emphasis is given to applications in international service and nonprofit disciplines. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Grace College.*

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## DUAL CREDIT COLLEGE COURSES and eCAP

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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.

**eCAP** is the Heritage Early College Academy Program. Students who desire to pursue an Early College Academy Diploma may either take a variety of dual credit and/or AP courses in order to earn a General Academy Certificate, or they may earn a Specialty Certificate in a specific subject area. In either case, a student must complete at least 10 semesters of college-level classes which would result in a minimum of 30 college credits. For more details, see this [eCAP guide](#).

### Online Options

**Taylor University** offers a total of more than 100 dual credit courses in a variety of subject areas. Cost is \$400 (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://www.taylor.edu/online/courses/>.

**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). Students can begin these courses at any time of year, and they can be taken over a more traditional 15-week period or in a more condensed 7-week time frame. Interested students can apply directly at <https://apply.gcu.edu/Account/Login> 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 \$185 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/admissions/dual-enrollment>.

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 On-site at Heritage

The following college classes are taught in the classroom at HCS during the normal school day. Some classes may not be offered every year based on student interest and instructor availability. Credits are awarded through the respective colleges, and students must meet application criteria for the specific university to enroll. There is extra cost for college tuition, which is generally about \$250 per course when taught by a Heritage faculty member, and about \$400 when taught by a college professor. In some cases where space allows, students interested in the below courses but who do not want the college credits may potentially enroll at no cost.

**AEROBIC EXERCISE (PHE103)**  
**1 Semester/1 Credit, 1 College Credit Hour**

**Grades 9-12**

This college course may be taken in place of the regular PE2 class required for graduation. This is an activity course which introduces a variety of aerobic exercises to the student for the enhancement of health related fitness. It will meet approximately twice per week. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Indiana Wesleyan University.*

**BIOLOGY I: FOUNDATIONS of CELL BIOLOGY and GENETICS (BIO 201)**  
**1 Semester/1 Credit, 4 College Credit Hours**

**Grades 11-12**

Prerequisite: Chemistry and either Honors Physiology or BIO 100

This college course is similar to AP Biology and is highly recommended for students considering a future career in the medical field. It includes the study of cellular structures and metabolism emphasizing form and function on structure; the cellular pathways of energy and matter transformation; the information flow, exchange, and storage; and the molecular, mitotic, and meiotic mechanism of inheritance. Laboratory work is a vital part of the course with each major topic having a lab component to allow the manipulation of quantitative data. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Taylor University.*

**BIOLOGY II: ORGANISMS and DIVERSITY (BIO 202)**  
**1 Semester/1 Credit, 4 College Credit Hours**

**Grades 11-12**

Prerequisite: Foundations of Cell Biology and Genetics (BIO 201)

This college course builds on the concepts covered in Cell Biology and Genetics. Students will examine the diversity of organisms, including algae, protozoa, fungi, plants, and animals, as they appear through the fossil record from the Paleozoic Era to the present time. Laboratory work is a vital part of the course with each major topic having a lab component to allow the manipulation of quantitative data. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Taylor University.*

**CALCULUS I (MAT 151)**  
**2 Semesters/2 Credits, 4 College Credit Hours**

**Grades 11-12**

Through an agreement with Taylor University, students enrolled in AP Calculus AB may also receive three college credits for a Calculus I course. Students must complete both semesters of the course in order to receive the college credits. See the Math course list for a more detailed description of AP Calculus AB. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Taylor University.*

**CALCULUS II (MAT 230)**  
**2 Semesters/2 Credits, 4 College Credit Hours**

**Grades 11-12**

Through an agreement with Taylor University, students enrolled in AP Calculus BC may also receive three college credits for a Calculus II course. Students must complete both semesters of the course in order to receive the college credits. See the Math course list for a more detailed description of AP Calculus BC. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Taylor University.*

**CAPSTONE INTERNSHIP and RESEARCH**  
**1 Semester/2 Credits, 3 College Credit Hours**

**Grade 12**

This class is the senior capstone project for all HCS Academy Specialty certificates. This is a two-credit course that combines the opportunity for a senior to complete a full internship (75+ hours) in their career field of interest (one credit) and to analyze that real world experience through a Biblical worldview in a college-level research paper (one credit). This experience is designed to assist seniors in their college and career options as they observe, work alongside, and are mentored by working professionals. Students typically will attend school for five or more periods, work approximately 6-8 hours per week, and complete a research paper. The course is designed to be semi-independent, with students fulfilling their on-the-job internship requirements by obtaining practical experience and building their resumes. In addition, students will develop their ability to critically think, write, and present. Completion of this course will require meeting with the course instructor no less than four times per semester. *Note: Dual credit status for this course is still pending.*

**CPR and FIRST AID (PHE 230)**  
**1 Semester/1 Credit, 2 College Credit Hours**

**Grades 10-12**

A standard CPR and first-aid course taught by the multimedia approach that includes knowledge and skills needed in emergency care of the injured and ill until medical care can be obtained. Also covers basic life-support techniques for victims of respiratory emergency and cardiac arrest, including AED training. Qualifying students receive a certificate in CPR and first aid. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Indiana Wesleyan University.*

**FOUNDATIONS of NURSING (NUR 145)**  
**1 Semester/1 Credit, 3 College Credit Hours**

**Grades 11-12**

Prerequisite: Chemistry or Honors Chemistry (recommended)  
This college course introduces students to professional nursing and begins socialization into professional roles and values. Students will identify the concepts of person, health, environment, and nursing and describe the nursing process as a framework for nursing practice. Successful completion of this course is a requirement for admission to the nursing program. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Indiana Wesleyan University.*

**GENERAL BIOLOGY (BIO 100)**  
**1 Semester/1 Credit, 4 College Credit Hours**

**Grades 11-12**

Prerequisite: Biology I or Honors Biology I  
This course covers the basic concepts of Biology that would meet a standard science requirement for college. It is not intended for future science majors. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Taylor University.*

**GENERAL STATISTICS (MAT 112)**  
**2 Semesters/2 Credits, 3 College Credit Hours**

**Grades 11-12**

Through an agreement with Indiana Wesleyan University (IWU), students enrolled in AP Statistics may also receive three college credits for a General Statistics course. Students must complete both semesters of the course in order to receive the college credits. See the Math course list for a more detailed description of AP Statistics. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by IWU.*

**HUMAN ANATOMY and PHYSIOLOGY I (BIO 310)**  
**1 Semester/1 Credit, 4 College Credit Hours**

**Grades 11-12**

Prerequisite: Chemistry or Honors Chemistry  
The lecture portion of this college course focuses on structure and function of the skeletal, muscular, nervous and endocrine systems, and examines core concepts of homeostasis and feedback loops. The lab portion of the course consists of several dissections that model human anatomy, coupled to computer aided examination of human anatomy and some histology. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Taylor University.*

**HUMAN ANATOMY and PHYSIOLOGY II (BIO 311)**  
**1 Semester/1 Credit, 4 College Credit Hours**

**Grades 11-12**

Prerequisite: BIO 310 (Human Anatomy and Physiology I)  
A continuation of BIO 310, the lecture focuses on the respiratory, cardiovascular, urinary, and digestive systems, and examines several core concepts demonstrated by these systems. The lab portion of the course focuses on common experimental techniques and physiological measures of systems studied. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Taylor University.*

**INTRODUCTION to BUSINESS (MGT 201)**  
**1 Semester/1 Credit, 3 College Credit Hours**

**Grades 10-12**

MGT 201 covers the foundational concepts of establishing and operating successful ventures in the highly competitive global economy. Students learn to identify and differentiate the major business disciplines of accounting, economics, finance, marketing, and management-leadership. Students will be exposed to key business leadership principles, strategies, technologies and disciplines used in the 21st Century enterprise, through a combination of case analysis, projects and simulation exercises. Total cost will be approximately \$450 (\$400 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 Taylor University professor, so it will function predominantly as an online course.*

**INTRODUCTION to CRIMINAL JUSTICE (JUS 100)**  
**1 Semester/1 Credit, 3 College Credit Hours**

**Grades 11-12**

JUS 100 is a survey of the organization, administration, and function of the three primary components of the American criminal justice system: law enforcement, the courts, and corrections. The course examines the processes and implementation of justice in historical, legal, and contemporary context. An emphasis is placed on both offenses and offenders at each stage of the process. Students will explore the philosophical premises that underlie the American system of justice, and will evaluate the structure and inner workings of that system in light of the Christian faith. This class will potentially include a day in court and a visit to a correctional institution. Total cost will be approximately \$450 (\$400 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 Taylor University professor, so it will function predominantly as an online course.*

**INTRODUCTION to EDUCATION (ED 100)**  
**2 Semesters/2 Credits, 3 College Credit Hours**

**Grades 11-12**

This year-long introduction to teaching class will acquaint students with a number of aspects of being a professional educator and the Christian teacher's potential role in changing lives through the ministry of teaching. A variety of tools such as readings, discussions, and practical projects/experiences are used to achieve this purpose. The course is designed to be a survey of the field of education, especially through the eyes of a teacher. Each week the student will complete a learning activity, participate in discussions, take a quiz, train in the classroom, and reflect on their classroom experience. The program goal is for students enrolled to gain a practical understanding of what it means to be a teacher and to prayerfully consider teaching as their profession and life's ministry. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Bob Jones University.*

**INTRODUCTION to EXERCISE SCIENCE (EXS 1000)**  
**1 Semester/1 Credit, 3 College Credit Hours**

**Grades 11-12**

This is an entry level college course designed to introduce the student to the field of exercise science. This course will prepare students with knowledge and information on related health topics including: the history of exercise science, fitness assessment, nutrition, biology, exercise physiology, biomechanics, physical fitness, career opportunities, and beginning diagnostic tools. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Grace College.*

**INTRODUCTION to PSYCHOLOGY (PSY 100)**  
**1 Semester/1 Credit, 3 College Credit Hours**

**Grades 10-12**

PSY 100 is designed to provide you with a comprehensive survey of the field by introducing you to its major concepts, theoretical perspectives, and empirical findings. Topics include worldviews in psychology, history of psychology, current perspectives in psychology, and models of integration of psychology and Christianity. This course will provide students with a broader understanding of human behavior and how the field of psychology and its study affects our lives. Topics will speak to students' own experiences and behavior, and will apply to real world events and issues. Total cost will be approximately \$450 (\$400 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 Taylor University professor, so it will function predominantly as an online course.*

**INTRODUCTION to PUBLIC HEALTH (PBH 100)**  
**1 Semester/1 Credit, 3 College Credit Hours**

**Grades 11-12**

Prerequisite: Chemistry or Honors Chemistry

This college course is built upon a population and ecological perspective on disease causation and prevention. As a general overview of the field, the course provides an historical perspective on the role that public health has played in improving the health status of populations, both in the US and globally. Moving beyond the biologic mechanisms of disease causation, students will gain an understanding of the environmental, social and behavioral determinants of health for populations, and factors that contribute to disparities in health between subpopulations. Students will be introduced to the core functions and essential services of public health in the US and how these are met in less economically developed societies. The core disciplines of public health will be defined and described, including epidemiology, biostatistics, environmental health, policy and administration, and the social and behavioral sciences. Students will examine current public health challenges in the US and globally. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Taylor University.*

**INTRODUCTION to SPORT MANAGEMENT (SMA 115)**  
**1 Semester/1 Credit, 3 College Credit Hours**

**Grades 11-12**

This college course is an introduction to the profession of sport management. The student will study the history and philosophies of sport and be introduced to research in the profession. The course will also clarify the requirements of a Sport Management major, explore career opportunities in the profession, and assist the student in preparing for employment in the profession. Total cost will be approximately \$450 (\$400 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 Taylor University professor, so it will function predominantly as an online course.*

**MATH for ELEMENTARY EDUCATORS (MAT 205)**  
**1 Semester/1 Credit, 2 College Credit Hours**

**Grades 10-12**

This is an introductory math course for elementary education majors that focuses on helping prospective teachers develop an understanding of the topics of algebra, probability, and data analysis as they relate to the elementary school curriculum. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Taylor University.*

**MUSIC APPRECIATION (MUS 149)**  
**1 Semester/1 Credit, 3 College Credit Hours**

**Grades 10-12**

This course is an introduction to the art of music and its materials, and is designed to develop greater understanding and appreciation of music and the various historical periods. Considerable attention is given to listening to recordings and studying the lives of leading composers. Students will be required to attend 2-3 concerts (at HCS and non-HCS ensembles/concerts) outside of the school day. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Taylor University.*

**MUSIC THEORY I (MUS 101)**  
**1 Semester/1 Credit, 4 College Credit Hours**

**Grades 10-12**

Prerequisite: a B in Intro to Music Theory and Comp, or 1 year in band, choir or orchestra as well as approval of instructor. 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". Students should be able to read notes on at least one clef (treble or bass) and play an instrument or sing. Students will use Noteflight, a web-based notation program, to complete and submit a variety of music composition projects. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Taylor University.*

**NEW TESTAMENT SURVEY/LIFE of CHRIST (BIB 210)**  
**1 Semester/1 Credit, 3 College Credit Hours**

**Grades 9-10**

This course introduces students to the person and work of Jesus Christ found in the entirety of the New Testament. The focus of the course begins with the life of Jesus from the perspectives of the gospel writers, but then progresses to examine the impact of Jesus' life in the years that follow his resurrection as his apostles take the Good News to the ends of the earth. Authors and their letters to the church will be explored, concluding with John's vision of end times. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Grace College.*

**PERSONAL HEALTH (PHE162)**  
**1 Semester/1 Credit, 3 College Credit Hours**

**Grades 9-12**

This college course may be taken in place of the regular Health class required for graduation. The object of the course is for students to develop and value optimal health behavior and establish that behavior as a routine. Students will develop a holistic view of the well person as one with physical, mental, emotional, interpersonal, social and spiritual strengths, and who can take control of their health by making wise lifestyle and behavior choices. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Indiana Wesleyan University.*

**POLITICS and AMERICAN CULTURE (GSS 1100)**  
**1 Semester/1 Credit, 3 College Credit Hours**

**Grade 12**

This college course is similar to AP Government and meets the Government requirement for graduation. It serves as an introductory study of America's constitution and political institutions, with an emphasis on political participation, political culture, and public policy. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Cedarville University.*

**PRECALCULUS and FINITE MATH (MAT 110)**  
**2 Semesters/2 Credits, 3 College Credit Hours**

**Grades 10-12**

Prerequisite: Algebra II

This course is designed to cover all elements of a college level finite math course, as well as prepare students for college level calculus. Topics in finite math include: set theory, matrices, systems of linear equations and inequalities, linear programming, counting and probability, statistics, and the mathematics of finance. Precalculus concepts involve an extensive treatment of the algebra of real and complex numbers, the twelve basic functions, and trigonometry. A graphing calculator is required. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Taylor University.*

**PRINCIPLES of COACHING**  
**1 Semester/1 Credit, 3 College Credit Hours**

**Grades 11-12**

This college course is a study of the duties and responsibilities of coaches and the potential problems and issues they may face. The content will include the four major areas of coaching certification programs: medical aspects, physiological aspects, psychological aspects, and organizational and administrative aspects. Methods and strategies of handling the responsibilities and the problems will be studied. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by an accredited partner university.*

**PRINCIPLES of MARKETING (MKT 2150)**  
**1 Semester/1 Credit, 3 College Credit Hours**

**Grades 11-12**

A study of the many facets involved in the field of marketing. Emphasis is given to both the modern marketing system in today's international economy and to the marketing strategies of an organization. Topics include types of markets, market segmentation methods, research methods, product and service strategies, product planning, new product development, distribution channels, sales, advertising and pricing. Special emphasis is given to applications in international service and nonprofit disciplines. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Grace College.*

**PRINCIPLES of COMMUNICATION (COM 100)**  
**1 Semester/1 Credit, 3 College Credit Hours**

**Grades 10-12**

This college course may be taken in place of the regular Speech class required for graduation. The course includes an analysis and understanding of the human communication process with attention to interpersonal and public applications. Students will participate in interpersonal and group relationship experiences as well as public speaking. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Indiana Wesleyan University.*

**US HISTORY I (HIST 1110)**  
**1 Semester/1 Credit, 3 College Credit Hours**

**Grades 11-12**

This college course is a survey and analysis of the development of the United States from the colonial period through Reconstruction. The course examines ethnic, social, military, political, economic, and ideological themes in order to achieve a broad understanding of American civilization up until 1877. Attention is given to the dominant Christian influences that have tended to shape our cultural, social, and political development. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Cedarville University.*

**US HISTORY II (HIST 1120)**  
**1 Semester/1 Credit, 3 College Credit Hours**

**Grades 11-12**

This college course is a survey and analysis of the development of the United States from the Reconstruction Era to the present. The course examines ethnic, social, military, political, economic, and ideological themes in order to achieve a broad understanding of American civilization since 1877. Attention is given to the dominant Christian influences that have tended to shape our cultural, social, and political development. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Cedarville University.*

**WORLDVIEW (PHI 170)**  
**1 Semester/1 Credit, 3 College Credit Hours**

**Grades 11-12**

Through an agreement with Taylor University, students may receive three college credits for this course. While the course content is generally the same for all students, those choosing the dual credit option will have several additional assignments. 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. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition.*

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## EDUCATIONAL SUPPORT SERVICES

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### **ACADEMIC SKILLS**

**Grades 9-12**

**1 or 2 Semesters/1 credit 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.

### **DIRECTED STUDIES**

**Grades 9-12**

**1 or 2 Semesters/1 credit 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/1 credit 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.

### **PEER TUTORING**

**Grades 11-12**

**1 or 2 Semesters/1 credit per semester**

Peer Tutoring provides high school students with an organized exploratory experience to assist students in kindergarten through grade twelve (K-12), through a helping relationship, with their studies and personal growth and development. The course provides opportunities for the students taking the course to develop a basic understanding of individual differences and to explore career options in related fields. Peer Tutoring experiences are preplanned by the teacher trainer and any cooperating teacher under whom the tutoring is to be provided. It must be conducted under the supervision of a licensed teacher. The course provides a balance of class work relating to the development of and use of: (1) listening skills, (2) communication skills, (3) facilitation skills, (4) decision-making skills, and (5) teaching strategies.

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## LANGUAGE ARTS

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### **ADVANCED PLACEMENT LANGUAGE and COMPOSITION** **2 Semesters/2 Credits, 3 College Credit Hours**

**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 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 standardized AP examination in May, and the coursework regularly investigates the ‘tools of AP’ through practice exams, terminology learning, and timed essay writing.

### **ADVANCED PLACEMENT LITERATURE and COMPOSITION** **2 Semesters/2 Credits, 3 College Credit Hours**

**Grade 12**

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. All students are required to take the AP exam in the spring with the goal of earning college credit.

### **AMERICAN LITERATURE** **2 Semesters/2 Credits**

**Grade 11**

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** **2 Semesters/2 Credits**

**Grade 12**

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 responses are stressed. An intensive grammar unit is given for college preparation. Weekly vocabulary lessons are studied. A research paper and book reports are required.

### **ENGLISH 9 – Grammar & Composition** **2 Semesters/2 Credits**

**Grade 9**

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

**Grade 10**

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.

**HONORS ENGLISH 9 – Grammar & Composition**  
**2 Semesters/2 Credits**

**Grade 9**

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.

**PRINCIPLES of COMMUNICATION (COM 100)**  
**1 Semester/1 Credit, 3 College Credit Hours**

**Grades 10-12**

This college course may be taken in place of the regular Speech class required for graduation. The course includes an analysis and understanding of the human communication process with attention to interpersonal and public applications. Students will participate in interpersonal and group relationship experiences as well as public speaking. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Indiana Wesleyan University.*

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

**Grades 10-12**

This course uses online test prep materials from resources such as Khan Academy. Students take practice SAT tests and are guided through review of key math and English concepts covered on this standardized exam. 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.

**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/STUDENT MEDIA**  
**2 Semesters/2 Credits**

**Grades 9-12**

In this course, students will demonstrate their ability to do journalistic writing and design for high school media, which may include newspapers, yearbooks, and other media projects. Students will express themselves publicly with meaning and clarity for the purpose of informing and entertaining. Students will work on the high school media staff to have hands-on experience that includes theme selection and development, content determination, photography, layout and design, and journalistic writing, for the purpose of creating the high school yearbook. *Note: This class is an elective but does qualify as a fine arts credit required for graduation.*

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## MATHEMATICS

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**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 first introduced to the core concepts of limit, derivative, and integral. From then on, 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. Through an agreement with Taylor University, students who complete both semesters of this course may choose to receive four college credits in Calculus I, regardless of their score on the AP exam. Cost for college credits is \$250.

**ADVANCED PLACEMENT CALCULUS BC**  
**2 Semesters/2 Credits**

**Grade 12**

Prerequisite: AP Calculus AB

AP Calculus BC covers topics which are basically equivalent to second semester college Calculus. The first semester will include a review of Calculus AB topics, as well as introduction to concepts unique to the BC test, such as further integration techniques; calculus with polar, parametric, and vector valued functions; and sequences and series. Second semester will include work intended to deepen the students' understanding of the topics as they prepare for the AP exam. This class will either be an independent study or teacher led, depending on student numbers and teacher availability. Through an agreement with Taylor University, students who complete both semesters of this course may choose to receive four college credits in Calculus II, regardless of their score on the AP exam. Cost for college credits is \$250.

**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 May. Through an agreement with Indiana Wesleyan University, students who complete both semesters of this course may choose to receive three college credits in Statistics, regardless of their score on the AP exam. Cost for college credits is \$250.

**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+ LAB**  
**2 Semesters/0 Credits**

**Grades 9-11**

Designed for students who earned below average grades in Prealgebra and/or whose standardized test scores indicate that they are more than a grade level behind, this is an extra period of math support with the Algebra teacher, providing additional time for students to work on homework and get extra help in a smaller class setting. Students with average test scores 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.

**GEOMETRY LAB**  
**2 Semesters/0 Credits**

**Grades 9-11**

This is an extra period of math support with the Geometry teacher, providing additional time for students to work on homework and get extra help in a smaller class setting. While not required, this non-credit class is recommended for students who scored in the “C” range or below in Algebra I.

**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.

**PRECALCULUS and FINITE MATH (MAT 110)**  
**2 Semesters/2 Credits, 3 College Credit Hours**

**Grades 10-12**

Prerequisite: Algebra II

This course is designed to cover all elements of a college level finite math course, as well as prepare students for college level calculus. Topics in finite math include: set theory, matrices, systems of linear equations and inequalities, linear programming, counting and probability, statistics, and the mathematics of finance. Precalculus concepts involve an extensive treatment of the algebra of real and complex numbers, the twelve basic functions, and trigonometry. A graphing calculator is required. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Taylor University.*

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

**Grades 11-12**

Prerequisite: Algebra II

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).

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

**Grades 10-12**

See description under “Language Arts” on p. 18.

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

**Grades 11-12**

Prerequisite: Algebra II

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.

#### ADVANCED ORCHESTRA 2 Semesters/2 Credits

**Grades 9-12**

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.

#### 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 concerts, special school activities, Honors Band Day, bi-annual music department trips, athletic events, and pep sessions. 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 worship for school chapels. A secondary goal of the class is to set students up well to participate in worship in their own churches. Students will focus on contemporary Christian music, with some attention given to gospel music, and historical church music. Students will also learn about the basics of the theology of worship and participate in composing original worship songs. Musicians are required to audition and obtain character references in order to participate.

#### COLLA VOCE 2 Semesters/2 Credits

**Grades 9-12**

Colla Voce is an auditioned SATB choir for students with advanced vocal ability and extensive experience in choral singing. This choir sings a variety of choral music including classical, chamber music, vocal jazz, musical theater, 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. A spring tour is planned every other year to provide additional music enrichment and performance opportunities.

#### CONCERT CHOIR 2 Semesters/2 Credits

**Grades 9-12**

Concert Choir is a non-auditioned SATB choir for students with beginning to intermediate vocal ability. Previous choral experience is not required. This choir sings a variety of choral music ranging from classical to contemporary 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, concerts and any additional festivals. A spring tour is planned every other year to provide additional music enrichment and performance opportunities.

**INTRO to MUSIC THEORY and COMPOSITION**  
**1 Semester/1 Credit**

**Grades 9-12**

Students learn the basics of how music is organized by studying key signatures, chords, intervals, meter, and rhythms. The 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” and how to compose simple songs. It is recommended students be able to read notes in at least one clef (treble or bass) and either play an instrument or sing. Students will use the web-based Noteflight software and a theory workbook throughout the semester.

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

**Grades 9-12**

Prerequisite: 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 during a “zero” period starting at 7:10 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 school concerts and local events.

**MUSIC APPRECIATION (MUS 149)**  
**1 Semester/1 Credit, 3 College Credit Hours**

**Grades 10-12**

This course is an introduction to the art of music and its materials, and is designed to develop greater understanding and appreciation of music and the various historical periods. Considerable attention is given to listening to recordings and studying the lives of leading composers. Students will be required to attend 2-3 concerts (at HCS and non-HCS ensembles/concerts) outside of the school day. *This course is taught by a Heritage instructor; but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Taylor University.*

**MUSIC THEORY I (MUS 101)**  
**2 Semesters/2 Credits, 3 College Credit Hours**

**Grades 10-12**

Prerequisite: a B in Intro to Music Theory and Comp, or 1 year in band, choir or orchestra as well as approval of instructor  
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". Students should be able to read notes on at least one clef (treble or bass) and play an instrument or sing. Students will use Noteflight, a web-based notation program, to complete and submit a variety of music composition projects. *This course is taught by a Heritage instructor; but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Taylor University.*

**ORCHESTRA**  
**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, a fall fundraising event, and the spring Fine Arts Festival. 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.

**THEATER ARTS - ACTING**  
**1 Semester/1 Credit**

**Grades 9-12**

In this course students will get an introduction into a variety of acting styles and methods. They will begin with physical, and then move into dialectical, then intellectual, and conclude the course by collaborating with a partner on a two-person scene, bringing all of the elements together. Throughout the course students will understand the segments of theater history through a Christian lens and see the connection between creating art and worshiping the Lord.

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## PHYSICAL EDUCATION/HEALTH

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### **ADVANCED PERFORMANCE TRAINING** **2 Semesters/2 Credits**

**Grades 10-12**

Prerequisites: Two prior semesters of PE and Intro to Strength and Conditioning

This course is designed to advance students' current level of fitness as well as enhance performance by building upon the Intro to Strength and Conditioning class. Students in this course will be introduced to advanced movement patterns, techniques, and programming in the areas of strength training, mobility/stability training, plyometrics, and speed/agility training. Students in this course will be expected to fully participate and excel in the prescribed daily exercise programs. Expectations for this course would be greater than expected in a fundamental physical education course.

### **AEROBIC EXERCISE (PHE103)** **1 Semester/1 Credit, 1 College Credit Hour**

**Grades 9-12**

This college course may be taken in place of the regular PE2 class required for graduation. This is an activity course which introduces a variety of aerobic exercises to the student for the enhancement of health related fitness. It will meet approximately twice per week. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Indiana Wesleyan University.*

### **CPR and FIRST AID (PHE 230)** **1 Semester/1 Credit, 2 College Credit Hours**

**Grades 10-12**

A standard CPR and first-aid course taught by the multimedia approach that includes knowledge and skills needed in emergency care of the injured and ill until medical care can be obtained. Also covers basic life-support techniques for victims of respiratory emergency and cardiac arrest, including AED training. Qualifying students receive a certificate in CPR and first aid. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Indiana Wesleyan University.*

### **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.

### **INTRODUCTION to EXERCISE SCIENCE (EXS 1000)** **1 Semester/1 Credit, 3 College Credit Hours**

**Grades 11-12**

This is an entry level college course designed to introduce the student to the field of exercise science. This course will prepare students with knowledge and information on related health topics including: the history of exercise science, fitness assessment, nutrition, biology, exercise physiology, biomechanics, physical fitness, career opportunities, and beginning diagnostic tools. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Grace College.*

### **INTRODUCTION to SPORT MANAGEMENT (SMA 115)** **1 Semester/1 Credit, 3 College Credit Hours**

**Grades 11-12**

This college course is an introduction to the profession of sport management. The student will study the history and philosophies of sport and be introduced to research in the profession. The course will also clarify the requirements of a Sport Management major, explore career opportunities in the profession, and assist the student in preparing for employment in the profession. Total cost will be approximately \$450 (\$400 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 Taylor University professor, so it will function predominantly as an online course.*

**INTRO to STRENGTH and CONDITIONING**  
**1 Semester/1 Credit**

**Grades 9-12**

Prerequisites: Two prior semesters of PE

This course is designed to educate students on overall health and wellness using strength and conditioning techniques. Students in this course will be introduced to basic strength training, mobility/stability training, plyometrics, as well as speed/agility training. There will be an emphasis on proper movement patterns and technique along with safety and weight room etiquette. Students will be taught major muscle identification and terminology, and discuss goal setting. This program is created to develop and improve each student and/or student athlete to become stronger, more balanced, well conditioned, and better informed for a life of fitness. Students are expected to fully participate in the prescribed daily activity. Expectations for this course would be greater than expected in a fundamental physical education course.

**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.

**PERSONAL HEALTH (PHE162)**  
**1 Semester/1 Credit, 3 College Credit Hours**

**Grades 9-12**

This college course may be taken in place of the regular Health class required for graduation. The object of the course is for students to develop and value optimal health behavior and establish that behavior as a routine. Students will develop a holistic view of the well person as one with physical, mental, emotional, interpersonal, social and spiritual strengths, and who can take control of their health by making wise lifestyle and behavior choices. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Indiana Wesleyan University.*

**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.*

**PRINCIPLES of COACHING**  
**1 Semester/1 Credit, 3 College Credit Hours**

**Grades 11-12**

This college course is a study of the duties and responsibilities of coaches and the potential problems and issues they may face. The content will include the four major areas of coaching certification programs: medical aspects, physiological aspects, psychological aspects, and organizational and administrative aspects. Methods and strategies of handling the responsibilities and the problems will be studied. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by an accredited partner university.*

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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, Honors Chemistry, Honors Physiology, and either AP Biology, BIO 201 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 CHEMISTRY

**Grades 11-12**

**2 Semesters/2 Credits**

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 gasses, liquids and solids, and solutions. Laboratory work is a vital part of the course with each major topic having a lab component to allow the manipulation of quantitative data. To accommodate labs, this course may involve an extra class period or may occur in a block schedule. All students are required to take the AP exam in the spring with the goal of earning college credit.

### BIOLOGY I

**Grade 9**

**2 Semesters/2 Credits**

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 I: FOUNDATIONS of CELL BIOLOGY and GENETICS (BIO 201)

**Grades 11-12**

**1 Semester/1 Credit, 4 College Credit Hours**

Prerequisite: Chemistry and either Honors Physiology or BIO 100

This college course is similar to AP Biology and is highly recommended for students considering a future career in the medical field. It includes the study of cellular structures and metabolism emphasizing form and function on structure; the cellular pathways of energy and matter transformation; the information flow, exchange, and storage; and the molecular, mitotic, and meiotic mechanism of inheritance. Laboratory work is a vital part of the course with each major topic having a lab component to allow the manipulation of quantitative data. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Taylor University.*

### BIOLOGY II: ORGANISMS and DIVERSITY (BIO 202)

**Grades 11-12**

**1 Semester/1 Credit, 4 College Credit Hours**

Prerequisite: Foundations of Cell Biology and Genetics (BIO 201)

This college course builds on the concepts covered in Cell Biology and Genetics. Students will examine the diversity of organisms, including algae, protozoa, fungi, plants, and animals, as they appear through the fossil record from the Paleozoic Era to the present time. Laboratory work is a vital part of the course with each major topic having a lab component to allow the manipulation of quantitative data. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Taylor University.*

**BIOLOGY II, BOTANY****Grades 11-12****1 Semester/1 Credit**

Prerequisite: Biology I

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****Grades 11-12****1 Semester/1 Credit**

Prerequisite: Biology I

This course, which provides an overview of eukaryotic 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****Grades 10-12****2 Semesters/2 Credits**

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.

**FOUNDATIONS of NURSING (NUR 145)****Grades 11-12****1 Semester/1 Credit, 3 College Credit Hours**

Prerequisite: Chemistry or Honors Chemistry (recommended)

This college course introduces students to professional nursing and begins socialization into professional roles and values. Students will identify the concepts of person, health, environment, and nursing and describe the nursing process as a framework for nursing practice. Successful completion of this course is a requirement for admission to the nursing program. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Indiana Wesleyan University.*

**GENERAL BIOLOGY (BIO 100)****Grades 11-12****1 Semester/1 Credit, 4 College Credit Hours**

Prerequisite: Biology I or Honors Biology I

This course covers the basic concepts of Biology that would meet a standard science requirement for college. It is not intended for future science majors. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Taylor University.*

**HONORS BIOLOGY I****Grade 9****2 Semesters/2 Credits**

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 CHEMISTRY****Grades 10-12****2 Semesters/2 Credits**

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.

**HUMAN ANATOMY and PHYSIOLOGY I (BIO 310)**  
**1 Semester/1 Credit, 4 College Credit Hours**

**Grades 11-12**

Prerequisite: Chemistry or Honors Chemistry

The lecture portion of this college course focuses on structure and function of the skeletal, muscular, nervous and endocrine systems, and examines core concepts of homeostasis and feedback loops. The lab portion of the course consists of several dissections that model human anatomy, coupled to computer aided examination of human anatomy and some histology. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Taylor University.*

**HUMAN ANATOMY and PHYSIOLOGY II (BIO 311)**  
**1 Semester/1 Credit, 4 College Credit Hours**

**Grades 11-12**

Prerequisite: BIO 310 (Human Anatomy and Physiology I)

A continuation of BIO 310, the lecture focuses on the respiratory, cardiovascular, urinary, and digestive systems, and examines several core concepts demonstrated by these systems. The lab portion of the course focuses on common experimental techniques and physiological measures of systems studied. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Taylor University.*

**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.

**INTRODUCTION to PUBLIC HEALTH (PBH 100)**  
**1 Semester/1 Credit, 3 College Credit Hours**

**Grades 11-12**

Prerequisite: Chemistry or Honors Chemistry

This college course is built upon a population perspective and ecological perspective on disease causation and prevention. As a general overview of the field, Introduction to Public Health provides an historical perspective on the role that public health has played in improving the health status of populations, both in the US and globally. Moving beyond the biologic mechanisms of disease causation, students will gain an understanding of the environmental, social and behavioral determinants of health for populations, and factors that contribute to disparities in health between subpopulations. Students will be introduced to the core functions and essential services of public health in the US and how these are met in less economically developed societies. The core disciplines of public health will be defined and described, including epidemiology, biostatistics, environmental health, policy and administration, and the social and behavioral sciences. Students will examine current public health challenges in the US and globally. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Taylor University.*

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

**Grades 10-12**

Prerequisite: Intro to Engineering Design; should have completed or at least be concurrently enrolled in Algebra 2  
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 US 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**  
**1 Semester/1 Credit**

**Grades 9-12**

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**  
**2 Semesters/2 Credits**

**Grade 9**

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**  
**1 Semester/1 Credit**

**Grades 9-12**

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 CRIMINAL JUSTICE (JUS 100)**  
**1 Semester/1 Credit, 3 College Credit Hours**

**Grades 11-12**

JUS 100 is a survey of the organization, administration, and function of the three primary components of the American criminal justice system: law enforcement, the courts, and corrections. The course examines the processes and implementation of justice in historical, legal, and contemporary context. An emphasis is placed on both offenses and offenders at each stage of the process. Students will explore the philosophical premises that underlie the American system of justice, and will evaluate the structure and inner workings of that system in light of the Christian faith. This class will potentially include a day in court and a visit to a correctional institution. Total cost will be approximately \$450 (\$400 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 Taylor University professor, so it will function predominantly as an online course.*

**INTRODUCTION to LOGIC and PHILOSOPHY**  
**1 Semester/1 Credit**

**Grades 11-12**

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.

**POLITICS and AMERICAN CULTURE (GSS 1100)**  
**1 Semester/1 Credit, 3 College Credit Hours**

**Grade 12**

This college course is similar to AP Government and meets the Government requirement for graduation. It serves as an introductory study of America's constitution and political institutions, with an emphasis on political participation, political culture, and public policy. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Cedarville University.*

**PSYCHOLOGY**  
**1 Semester/1 Credit**

**Grades 10-12**

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.

**INTRODUCTION to PSYCHOLOGY (PSY 100)**  
**1 Semester/1 Credit, 3 College Credit Hours**

**Grades 10-12**

PSY 100 is designed to provide you with a comprehensive survey of the field by introducing you to its major concepts, theoretical perspectives, and empirical findings. Topics include worldviews in psychology, history of psychology, current perspectives in psychology, and models of integration of psychology and Christianity. This course will provide students with a broader understanding of human behavior and how the field of psychology and its study affects our lives. Topics will speak to students' own experiences and behavior, and will apply to real world events and issues. Total cost will be approximately \$450 (\$400 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 Taylor University 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.

**US 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.

**US 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.

**US HISTORY I (HIST 1110)**  
**1 Semester/1 Credit, 3 College Credit Hours**

**Grades 11-12**

This college course is a survey and analysis of the development of the United States from the colonial period through Reconstruction. The course examines ethnic, social, military, political, economic, and ideological themes in order to achieve a broad understanding of American civilization up until 1877. Attention is given to the dominant Christian influences that have tended to shape our cultural, social, and political development. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Cedarville University.*

**US HISTORY II (HIST 1120)**  
**1 Semester/1 Credit, 3 College Credit Hours**

**Grades 11-12**

This college course is a survey and analysis of the development of the United States from the Reconstruction Era to the present. The course examines ethnic, social, military, political, economic, and ideological themes in order to achieve a broad understanding of American civilization since 1877. Attention is given to the dominant Christian influences that have tended to shape our cultural, social, and political development. *This course is taught by a Heritage instructor, but there is an extra fee (approximately \$250) for college tuition. College credits are issued by Cedarville University.*

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

**Grades 9-12**

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 PLACEMENT COMPUTER SCIENCE A**

**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 and VIDEO PRODUCTION**

**Grades 9-12**

**1 Semester/1 Credit**

Students will be introduced to the many facets of audio and video recording. Students will learn about sound reinforcement and gain a basic knowledge of the audio and video recording software, techniques and practices used. Students will learn mic/camera placement, signal flow, lighting, camera operation, how to record/track for voices and instruments, and mixing and mastering techniques. In addition, students will learn Adobe Premiere Pro and create an array of video projects that will support areas around campus. Each student will be required to assist with high school chapels and will need to support a minimum of one fine arts event on campus (musical, concert, fundraiser, etc). *This course may be repeated. Students with greater experience will be given more advanced and independent projects.*

### **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.

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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**

**Grades 9-12**

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

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.