

# Christian Academy

English Station

**2026-2027**

## High School Course Description Catalog

700 S. English Station Road Louisville, KY 40245 (502) 244-3225

We are excited to present this year's course catalog and help guide you through the process of planning your academic journey. Course selection is an important step in shaping your future, and we encourage you to explore the many opportunities available to you. Each course offered at Christian Academy is designed to help our students grow not only in knowledge and skill, but also in faith and character.

CAL offers academic programs to prepare students to earn one of three types of diplomas: Standard, College Prep, or Honors. The **Standard Program** provides a basic traditional education. The **College Prep Program** is more intense and includes course work required by major colleges and universities. The **Honors Program** provides a challenging course of study for top students. Students are not restricted to taking courses in one program. They may take courses from a combination of programs as long as they are qualified.

Take time to examine the course offerings in this booklet and complete your Four-Year Plan (see page 45) so you can be sure to fulfill the requirements to graduate with the diploma you have chosen. With the assistance of teachers, counselors and parents, give careful consideration to all available options. We invite you to approach your studies with curiosity, commitment, and a heart open to how God may work through you in this season of learning.

Warm regards,

*The Counseling Team*

Jill Blount

Chrissie Moon

Jordan Heishman



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## Scheduling Courses

### Plan Ahead

1. **READ** the course description **BEFORE** selecting a subject to be sure that it fits your needs and interests.
2. **CONSULT** with teachers in specific subject areas for more detailed information, including recommendations for placement in honors courses.
3. **BALANCE** your course selections. Avoid crowding all of your academic courses into your sophomore and junior years. Allow yourself the freedom to take elective subjects each year—they are a valuable part of your total education.
4. **REMEMBER** to make certain you have satisfied the prerequisites for taking a particular course.
5. **SELECT** alternate courses in case it is impossible to get your first choice.
6. **BE SURE** to take courses which will give you the best possible preparation for your future plans. Take advantage of the offerings available to you.

### Know the Requirements

1. Know your graduation requirements before you start planning.
2. If you have questions about credits for graduation or college or career entrance, see your counselor.

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## How to Register for Classes

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Current students will register for their classes online through the FACTS Family Portal. Current 8<sup>th</sup> grade students and high school students must register online in March, watch for an email.

1. Please be sure you have a working log-on and password before these dates. If you do not have a log-on and password, please contact the high school office. During the registration dates, you may go online and make changes to your requests. After these dates, changes can only be made by contacting the high school office.
2. New students to CAL must register using a Course Request Form. These forms will be emailed to all newly accepted students (or can be picked up from the high school office) and should be returned to the high school office as soon as possible upon acceptance.

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## How to Add or Drop a Class

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A student may add and drop classes if there is an opening in the class the student wishes to enter. Requests for schedule changes should be directed to the counselor. Note the potential penalty involved in dropping classes:

**1st week of the 1st Semester**—May add or drop with no penalty. Any fees paid will be refunded.  
**2nd—6th week of 1st Semester**—Students may be withdrawn passing (WP) or withdrawn failing (WF). Students may or may not be allowed to add a course at this time. This *does not* affect student's GPA. If a fee was paid for the class, no fee will be refunded.

**After the 9<sup>th</sup> week of the semester** - students may be withdrawn with special permission from the principal. If a fee was paid for the class, no fee will be refunded.

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## Bible Department

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### **Christ and the Church**

**1 Credit**

**Grade 9,10**

#### **Regular Grading Scale**

This class will focus on inviting students to a maturing faith in the gospel of Jesus Christ. Students will explore the Gospels, the Acts of the Apostles, the Epistles, and Revelation. Students will examine the historical context, authorship, and key themes of these New Testament writings. Students will gain an understanding of Jesus as the fulfillment of prophecy, His place in history, and His relevance to their lives today, as well as insight into the spread of Christianity and the theological foundations of Christian doctrine. Through engaging study and discussion, this course encourages students to apply scriptural truths to personal faith and contemporary life.

### **Christian Theology and Worldviews**

**1 Credit**

**Grade 11**

#### **Regular Grading Scale**

This course invites students to explore the big questions of the Christian faith in an organized and thoughtful way. Through the study of Scripture, historic creeds, and key theological themes, students will learn how core Christian beliefs fit together into a coherent understanding of God, humanity, salvation, and the Church. Students will also develop wisdom in forming and defending a Christian worldview by how the gospel of Jesus responds to life's ultimate questions.

### **Contemporary Issues**

**1 Credit**

**Grade 12**

#### **Regular Grading Scale**

This class will focus on inviting students to a maturing faith by examining and discussing major social and cultural issues in light of the gospel. In this semester, students will be challenged to examine and live out a Christian worldview in the following areas: identity, pornography, abortion, human trafficking, personalities, self-harm, marriage, dating, divorce, singleness, racism, homosexuality, and gender.

### **+Missions & Evangelism**

**½ credit – 1st semester**

**Grade 10,11,12**

#### **Regular Grading Scale**

This course explores the biblical foundations and practical strategies of Christian missions and evangelism as a natural, intentional part of discipleship. Students will explore their role in everyday discipleship/missional living and how they can live it out here in Louisville and across the world. This practical and hands-on class will enhance a student's perspective and understanding of the needs in their city. (May be used as a School of Spiritual Formations credit)

### **+The Book of Romans**

**½ credit – 2nd semester**

**Grade 10,11,12**

#### **Regular Grading Scale**

This class will invite students to examine the historical context of the letter, Paul's purpose in writing it, and the rich theological content contained within its chapters. Through close reading and careful analysis of the text, we will delve into key concepts of Paul's Epistle to Rome. Key concepts studied will include sin, grace, justifications, and Christian ethics. (May be used as a School of Spiritual Formations credit)

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**+The Book of Hebrews**

**½ credit**

**Grade 10,11,12**

**Regular Grading Scale**

This course invites students in grades 10–12 to explore the Book of Hebrews as a powerful message of encouragement, endurance, and deep theological insight. Students will examine how the author of Hebrews uses Old Testament connections, rich symbolism, and persuasive argument to strengthen faith and call readers to perseverance. Through discussion, close reading, and reflection, students will wrestle with key themes such as faith under pressure, spiritual maturity, worship, sacrifice, covenant, and hope. The course emphasizes both understanding the text in its historical and biblical context and applying its message to modern life. By the end of the class, students will not only grasp the structure and theology of Hebrews but also see how its call to “hold fast” speaks directly to their own spiritual journey.



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## The School of Spiritual Formation

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**The School of Spiritual Formation** represents an advanced pathway for Christian Academy of Louisville high school students who desire a more rigorous discipleship experience. The school equips and empowers students through unique, curated spiritual experiences, courses, and projects to grow as spiritual leaders who bring the kingdom of God to their present and future callings. An application and interview process are necessary to be accepted in The School of Spiritual Formation.

**+Growing Wise**

**School of Spiritual Formations (SSF)**

**½ credit – 1<sup>st</sup> semester**

**Grade 9,10,11,12**

**Regular Grading Scale**

**Prerequisite:** *Pathway application accepted. Limit 15 students*

Is it possible for a teenager to be wise? This course will equip students with a biblical understanding of wisdom and empower them to order their lives by it. Students will examine, analyze, discuss, and apply to their lives key biblical texts, the Apostles Creed, and themes on wisdom from contemporary authors. Through rich discussion, challenging activities, a curated class field trip, consistent rhythms of spiritual disciplines, and memorization challenges students will evaluate how we safely glean wisdom from the church and from worldly culture. Finally, students will synthesize and demonstrate their learning by creating and implementing a plan for growing wise during high school. This course is only available for students in the School of Spiritual Formation.

**+Diving Deep Into Scripture**

**School of Spiritual Formations (SSF)**

**½ credit – 2<sup>nd</sup> semester**

**Grade 9,10,11,12**

**Regular Grading Scale**

**Prerequisite:** *Pathway application accepted. Limit 15 students*

Can teenagers really read the Bible deeply? This course will equip students with the tools needed to study and teach the Bible well. Through repeated guided practice, students will take on various roles in reading, studying, and discussing books from both the Old and New Testaments. Additionally, a curated class trip, guest speakers, and memorization challenges will aid students' growth in and appreciation for deeper biblical study. As the course progresses, students will increasingly take more responsibility for their studies until they can lead themselves independently. Finally, students will synthesize their learning by studying and teaching a biblical chapter of their choice. This course is only available for students in the School of Spiritual Formation.

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**+Taking the Lead**

**School of Spiritual Formations (SSF)**

**½ credit – 1st semester**

**Grade 10,11,12**

**Regular Grading Scale**

**Prerequisite:** *Growing Wise, Diving Deep into Scripture. Limit 15 students.*

Are the teen years for following or leading? This course will equip students with a biblical understanding of self leadership empowering them to take a spiritual lead in whatever circles they enter. Students will examine, analyze, discuss, and apply to their lives key biblical texts including the book of Daniel, the 10 Commandments, and phmporary Christian texts. Through rich discussions, a curated class trip, consistent rhythms of spiritual disciplines, memorization challenges, and creating a rule of life students will learn to “take the lead.” This course is only available for students in the School of Spiritual Formation.

**+Expanding God’s Kingdom**

**School of Spiritual Formations (SSF)**

**½ credit – 2nd semester**

**Grade 10,11,12**

**Regular Grading Scale**

**Prerequisite:** *Growing Wise, Diving Deep into Scripture. Limit 15 students.*

Can teenagers really change our world? This course will equip students with a theological understanding of the kingdom of God and empower them to radically live it out in a broken world. Students will examine, discuss, and apply to their lives key biblical texts and on the kingdom of God and its spread. Through rich discussion, rigorous activities, consistent rhythms of spiritual disciplines, memorization challenges, and capstone experiences that include a challenging class service trip students will explore how they can bring the truth, beauty, and goodness of God’s Kingdom to even the most broken places of our world. This course is only made available to students in the School of Spiritual Formation.

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## Business and Computer Department

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**+ACT Prep Course (Fall or Spring)**

**½ credit**

**Grades 11, 12**

**Regular Grading Scale**

**Prerequisites:** *Algebra II or taken concurrently*

This course covers the mechanics, concepts, and strategies of the ACT. Students will practice test questions illustrating concepts of timing, pacing, guessing and test-taking strategies.

This is a full year course consisting of a semester of ACT prep and a semester of study hall.

**+Computer Science 1**

**1 credit**

**Grades 10, 11, 12**

**Regular Grading Scale**

This course is a computer programming class that will be taught online by the computer teacher at our CAI campus. Powerpoint lessons and videos will be posted in Canvas. The programming language used is Java and the application to program is Eclipse. Students learn how to solve problems through the design, creation and implementation of programs. Students learn the benefits of studying computer programming and possible career opportunities. The teacher is available by phone, email, and Canvas messaging.

**+AP Computer Science A**

**1 credit**

**Grades 11, 12**

**AP Grading Scale**

This course will be taught online by the computer teacher at our CAI campus. This course is equivalent to the first semester of a college-level computer science course. It involves developing the skills to write programs to solve specific problems. The course emphasizes the design issues that make programs understandable, adaptable, and reusable. The development of useful computer programs is used as a context for introducing other important concepts in computer science, including the development and analysis of algorithms, fundamental data structures, and the study of standard algorithms and typical applications. An understanding of the basic hardware and software components of computer systems and the use of these systems are integral parts of this course. A testing fee is charged for this course.

**+AP Computer Science Principles**

**1 credit**

**Grade: 10, 11, 12**

**AP Grading Scale**

This course will be taught online by the computer teacher at our CAI campus. Students will learn the essential ideas of computer science and show how computing and technology can influence the world around us. Students will creatively address real-world issues and concerns while using the same processes and tools as artists, writers, computer scientists, and engineers to bring ideas to life. Students are provided with a “futureproof” foundation in computing principles so they are adequately prepared with the knowledge and skills to participate in our increasingly digital society. A testing fee is charged for this course.

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**+Intro to Business**

**1 credit**

**Grades 11, 12**

**Regular Grading Scale**

This course is designed for students who have a genuine interest in business. Introduction to Business is a college level elective that provides an introduction to many of the business courses that students will take in college. The course establishes basic foundations for the exploration and further study in business courses and inquiry of possible career choices by utilizing an experienced based curriculum. Many universities require this course for the freshman year of a business curriculum. The fall semester is a study of the business environment, ethics, communication, and an introduction to the stock market. The spring semester will focus on financing a business. Finance and accounting, marketing, management, and entrepreneurship are example topics. Students will also explore career options in these areas. Students learn about the stock market.

**+Dual Credit / Dual Enrollment On-line**

**1 credit**

**Grade 11, 12**

**Prerequisite: 3.00 GPA or as determined by the college**

Juniors and seniors have the opportunity to earn college credit in a variety of courses with numerous colleges and universities. Students will have a study hall to complete on-line course work. Students may apply for the Dual Credit Scholarship with the Kentucky Higher Education Authority (KHEAA) for two courses, at approved colleges in state. If the course operates on an eight-week term, students will be required to complete two courses per semester. If the course operates on a sixteen-week term, students will be required to complete one course per semester. The college or university will provide the grade to CAL for the course. Students need to have courses approved by their counselor. Courses must be compatible with Chromebooks. These courses will not replace a CAL course. Families will be responsible for all fees and materials associated with these courses.

**+Dual Credit / Dual Enrollment Off Campus**

**1 credit**

**Grade 12**

**Prerequisite: 3.00 GPA or as determined by the college**

Seniors have the opportunity to earn college credit in a variety of courses with numerous colleges and universities. Students will attend a class off campus, and may leave school for up to two blocks. Students can apply for the Dual Credit Scholarship with the Kentucky Higher Education Authority (KHEAA) for two courses, at approved colleges in state. If the college course operates on an eight-week term, students will be required to complete two courses per semester. If the course operates on a sixteen-week term, students will be required to complete one course per semester. The college or university will provide the grade to CAL for the course. Students need to have courses approved by their counselor. These courses will not replace a CAL course. Families will be responsible for all fees and materials associated with these courses.

**+Internship**

**1 credit**

**Grade 12**

**Regular Grading Scale**

**Prerequisite: By teacher approval and/or recommendation**

**Limited by available space**

This program is open to senior students who are considering a career in elementary education, middle school education, physical education, library science or medical fields. It is designed to offer the student exposure to and experience in elementary or middle school classrooms, physical education, media center, or athletics.

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**+Providence Intern 1**

**1 credit**

**Grade 11, 12**

**Regular Grading Scale**

**Prerequisite:** *By teacher approval and/or recommendation: good attendance and behavioral record. Space is limited.*

This course is open to junior and senior students who are considering a career in elementary education, middle school education, physical education, or special education. It is designed to offer the student exposure to and experience in elementary or middle school classrooms serving students with Down syndrome. Students will have the opportunity to work with Providence staff to facilitate learning in small groups, 1:1, and classroom settings. Students may apply for the course by filling out the Providence Internship application.

**+Honors Providence Intern II**

**1 credit**

**Grade 12**

**Honors Grading Scale**

**Prerequisite:** *Providence Intern I and teacher recommendation: good attendance and behavioral record. Space is limited*

This course is open to senior students who are considering a career in elementary education, middle school education, physical education, or special education. It is designed to offer the student more in-depth exposure to and experience in elementary, middle or high school classrooms serving students with Down syndrome. Students will have the opportunity to work with Providence staff in small groups, 1:1, and in classroom settings. Students may apply for the course by filling out the Providence Internship application. Dual Credit Opportunity.

**+Senior Co-Op**

**1 credit**

**Grade 12**

**Regular Grading Scale**

**Prerequisite:** *By teacher approval and/or recommendation; good attendance and behavioral record*

The Senior Cooperative Education program is designed to provide seniors with the opportunity to bridge the gap between education and employment. By stepping outside the classroom environment, the student experiences the culture of other organizations and real-life expectations in the workplace. Grades are determined in part by evaluations from the employer/supervisor. Students must supply their own transportation and place of employment or supervision.

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## English Department

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 **College Prep English I**

**1 credit**

**Grade 9**

**Regular Grading Scale**

Students will study the following content areas: grammar, composition, literature, research, study skills, vocabulary, and mass media. Students will keep organized notes, perform basic research, and complete at least one formal composition per quarter in addition to informal writing assignments.

 **Honors English I**

**1 credit**

**Grade 9**

**Honors Grading Scale**

**Prerequisites:** "A" or "B" in previous English class; teacher recommendation, placement exam, and acceptable stanine/percentile on nationally recognized achievement test

Students will study the same content areas as CP English I with additional requirements in literature and composition.

 **College Prep English II**

**1 credit**

**Grade 10**

**Regular Grading Scale**

**Prerequisites:** English I

Students will study the following content areas: grammar, composition, literature, research, study skills, vocabulary, and mass media. Students will keep organized notes, perform basic research, complete at least one formal composition per quarter, in addition to informal writing assignments, and write a variety of expository essays.

 **Honors English II**

**1 credit**

**Grade 10**

**Honors Grading Scale**

**Prerequisites:** "A" or "B" in previous English I class; teacher recommendation, placement exam, and acceptable stanine/percentile on a nationally recognized achievement test

Students will study the same content areas as CP English II with additional requirements in literature and composition.

 **AP Seminar**

**1 credit**

**Grade 10**

**AP Grading Scale**

**Prerequisites:** Recommendation from previous year's English Teacher

Course Description: Students will develop strong critical thinking, research, collaboration, and communication skills through this interdisciplinary course. Students explore real-world topics of their choosing by reading, analyzing, and synthesizing information from a variety of sources and perspectives. Through discussion, writing, and presentations, students learn to craft evidence-based arguments and ask meaningful questions. This course prepares students for college-level expectations and serves as a foundation for future AP coursework. Near the completion of this course, students will take the AP exam to qualify for college credit. A testing fee is charged for this course.

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**☒ College Prep English III**

**1 credit**

**Grade 11**

**Regular Grading Scale**

**Prerequisites:** *English II*

Students will study the following content areas: grammar, composition, American literature, study skills, vocabulary, and mass media. Students will keep organized notes and compose a literary analysis research paper in addition to other requirements in literature and composition.

**☒ Honors English III**

**1 credit**

**Grade 11**

**Honors Grading Scale**

**Prerequisites:** *“A” or “B” in previous English II class; teacher recommendation, placement exam, and acceptable stanine/percentile on nationally recognized achievement test*

Students will study the same content areas as CP English III with additional requirements in literature and composition, including a literary analysis paper.

**☒ AP English Language and Composition**

**1 credit**

**Grade 11**

**AP Grading Scale**

**Prerequisites:** *Teacher recommendation, placement exam, acceptable PSAT and national test scores*

Students will learn to write in a variety of forms—narration, exposition, satire, and argumentation—and on a variety of subjects. Students will learn how to use grammatical conventions to develop stylistic maturity in their prose. Students will analyze both fiction and non-fiction for style, theme, and voice in order to identify writers' strategies and then practice them. AP exam strategies will also be taught, and, near the completion of the course, students will take the AP exam to qualify for college credit. A testing fee is charged for this course.

**☒ College Prep English IV**

**1 credit**

**Grade 12**

**Regular Grading Scale**

**Prerequisites:** *English III*

Students will study the following content areas: grammar, composition, British literature, research, study skills and vocabulary. Students will keep organized notes, perform library research, and compose a literary analysis in addition to studying selected Shakespearean works.

**☒ Honors English IV**

**1 credit**

**Grade 12**

**Honors Grading Scale**

**Prerequisites:** *“A” or “B” in previous English III class; teacher recommendation, placement exam, and acceptable stanine/percentile on nationally recognized achievement test*

Students will study the same areas of content as CP English IV with an accelerated approach and greater depth and intensity. Students will read one work of literature outside of class each quarter.

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 **AP English Literature and Composition**

**1 credit**

**Grade 12**

**AP Grading Scale**

**Prerequisites:** *Teacher recommendation, placement exam, acceptable PSAT and national test scores*

Students will study selections from both British and world literature in a concentrated manner with additional emphasis on literary analysis. AP exam strategies will also be taught. Near the completion of this course, students will take the AP exam to qualify for college credit. A testing fee is charged for this course.

 **+Creative Writing**

**.5 credit**

**Grades 9, 10, 11, 12**

**Regular Grading Scale**

**Prerequisites:** *A/B average in English, teacher approval*

This introductory Creative Writing course will provide students with the opportunity to explore imaginative storytelling and self-expression through a variety of creative genres. Students will experiment with fiction, creative nonfiction, poetry, and drama while learning how writers develop voice, imagery, conflict, and character. Through journals, short projects, and collaborative workshops, students will practice techniques such as showing rather than telling, writing effective dialogue, and revising their work for clarity and impact. Assignments include personal memoirs, flash fiction, poetry, short plays, and creative projects that encourage risk-taking and originality. The course concludes with a final portfolio in which students revise and reflect on their writing growth. This class is ideal for students who enjoy creativity, storytelling, or want a fresh, engaging way to strengthen their writing skills. No prior creative writing experience is required. Hope to see you there!

**+Mass Media**

**1 credit**

**Grades 9, 10, 11, 12**

**Regular Grading Scale**

**Prerequisites: None**

Students who enroll in this elective will study various mediums of communication. These include, but are not limited to public speaking, print journalism, podcasting, and advertising. A special focus of the class is on increasing media literacy to become a more responsible consumer and creator of media. This does NOT take the place of the required English class.

 **+Mythology**

**.5 credit**

**Grades 9, 10, 11, 12**

**Regular grading scale**

**Prerequisites: None**

Mythology is an academic elective that introduces students to mythologies from cultures around the world, including Greek, Roman, Norse, Egyptian, Native American, and Chinese traditions. Through reading, discussion, writing, presentations, and creative projects, students explore how these narratives influenced art, literature, and cultural identity. This course also includes intentional Biblical integration, using mythology as a comparative lens through which students examine humanity's search for meaning and the nature of the divine. By contrasting mythological worldviews with the truths revealed in Scripture, students are encouraged to deepen their understanding of Biblical truth while developing cultural literacy and critical thinking skills. This course is designed for students with a strong interest in literature, culture, and thoughtful worldview analysis. Please note: This course is an elective and does NOT replace a student's required English class.



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## Fine Arts Department

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**The Christian Academy School of the Arts** exists to empower student talent, passion and confidence to intentionally impact their world for the glory of God. The vision of the Christian Academy School of the Arts is to serve God through Innovation, Influence, and Independence. We are committed to Innovation in our offering of excellent educational opportunities, Influence through our spiritual distinctiveness and outreach, and Independence by virtue of our uncompromising stewardship.

**+Fundamentals of Art**

**1 credit**

**Regular Grading Scale**

Fundamentals of Art explores the basics of drawing, painting, ceramics, and print making while satisfying the state required art credit. Projects will focus on these mediums while incorporating art history and practical hands-on application of art theories and procedures. A fee is charged for this course.

**+Visual Arts Foundations**

**(Visual Arts Track)**

**1 credit**

**Regular Grading Scale**

**Prerequisite:** *Portfolio submission and teacher recommendation required*

Visual Arts Foundations is structured like the Fundamentals of Art, but is developed for those students pursuing the Visual Arts Diploma and/or desire a more advanced pace. 8th graders pursuing the Visual Arts Track for high school will work with the middle school art teacher prior to scheduling. Current high school freshman can submit a portfolio to the High School Department Chair for approval. A fee is charged for this course.

**+Advanced Drawing & Painting**

**1 credit**

**Honors Grading Scale**

**Prerequisite:** *Visual Arts Foundations, or portfolio submission and teacher recommendation from Fundamentals of Art*

Advanced Drawing and Painting is an in depth investigation of advanced drawing and painting techniques and mediums. Various artists and historical movements will be incorporated. Students will explore new mediums while learning to incorporate concept, developing work that is self-expressive. In depth multi-process work will be a focus as students begin to build their portfolios. The course is taught in a studio type setting. A fee is charged for this course.

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**+Ceramics & Sculpture**

**1 credit**

**Regular Grading Scale**

**Prerequisite:** *Fundamentals of Art*

This class is taught in a studio setting and designed for students interested in 3D exploration. Students will build upon skills learned in Fundamentals or Visual Art Foundations to increase their level of mastery in additive and subtractive sculptural techniques. Ceramics work will include hand building and wheel-throwing. Other materials used may include, but are not limited to: wire, plaster, wood, and found objects/recycled materials. Students will create a variety of functional and conceptual pieces that will develop a strong 3D portfolio for use in competitions, AP, and/or college portfolios. A fee is charged for this course.

**+Mixed Media Studio**

**1 credit**

**Regular Grading Scale**

**Prerequisite:** *Fundamentals of Art or Visual Arts Foundations*

This class is taught in a studio setting and is designed for students who want to explore a variety of materials and experience a wide range of art-making processes. Students will follow multi-step processes and learn to unify various materials for purposeful concept and design. Experiences may include, but are not limited to: fabric dyeing, printmaking, embroidery, drawing, painting, and assemblage. The work students produce will serve to increase variety in portfolios submitted to competitions, the AP exam, and/or colleges. A fee is charged for this course.

**+AP Studio Drawing**

**1 credit**

**AP Grading Scale**

**Prerequisites:** *Fundamentals of Art or Visual Arts Foundations, AND Advanced Drawing and Painting* \*Completion of Summer Homework is required for admission

AP Studio Drawing is taught in a studio setting at the college level. Students will work toward mastery of skills while exploring advanced media and mark-making techniques. Students will apply concept, meaning, and intent as they build their portfolios. Students will submit a portfolio to the College Board to qualify for college credit in the spring. A supply and testing fee is charged for this course.

**+AP 3D Design**

**1 credit**

**AP Grading Scale**

**Prerequisites:** *Fundamentals of Art or Visual Arts Foundations AND Ceramics & Sculpture*

**Recommended:** *Mixed Media Studio\** Completion of Summer Homework is required for admission

This class is taught at the college level in a studio setting. AP 3D explores the elements and principles of design as they pertain to building form and shaping space. Students will master previous building techniques and explore advanced processes including, but not limited to: casting, glass fusing, and installation, while applying concept, meaning, and intent in Portfolio development. Students will submit a portfolio to the College Board to qualify for college credit in the spring. A supply and testing fee will be charged for this course.

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**+AP 2D Design:**

**Drawing/Painting-based**

**1 credit**

**AP Grading Scale**

**Prerequisites:** *Fundamentals of Art or Visual Arts Foundations AND Advanced Drawing & Painting.* **Recommended:** *AP Studio Drawing \*Completion of Summer Homework is required for Admission*

AP 2-D Design is taught in a studio setting at the college level. AP 2-D Design explores the use of the elements and principles of art as they define composition. Drawing, painting and other mark-making medium skills are expected to combine with concept to create higher level process art. Students will submit a portfolio to the College Board to qualify for college credit in the spring. A supply and testing fee will be charged for this course.

**+AP 2D Design: Digital**

**1 credit**

**AP Grading Scale**

**Prerequisites:** *Fundamentals of Art or Visual Arts Foundations AND Digital Photography*

**Recommended:** *Graphic Design \*Completion of Summer Homework is required for Admission*

AP 2-D Design is taught in a studio setting at the college level. AP 2-D Design Digital explores the use of the elements and principles of art as they define composition. Digital art, photography, mixed media, and other design media will combine with concept to create higher level process art. Students will submit a portfolio to the College Board to qualify for college credit in the spring. A supply and testing fee will be charged for this course.

**+Digital Photography**

**1 credit**

**Regular Grading Scale**

**Prerequisite:** *Fundamentals of Art or Visual Arts Foundations*

This course provides a thorough investigation of photography as an art form. Students will learn about the history of photography, DSLR camera functions and fundamentals, various photographic techniques and composition skills, and post-production editing using Photoshop CC. Students will have several opportunities to practice camera skills and techniques during class, but will work independently outside of class time on shoot assignments. Time management and development of good work ethics is crucial to using lab time effectively to meet project deadlines. **Equipment required:** Students are responsible for providing their own DSLR camera, and SD card. A fee is charged for this course.

**+Graphic Design**

**1 credit**

**Regular Grading Scale**

**Prerequisite:** *Fundamentals of Art or Visual Arts Foundations*

This course provides a comprehensive overview of visual design using digital media. Students will use the Adobe Creative Cloud to create graphics suitable for print and web applications. Students will learn how graphics in advertising are used to promote ideas through project-based assignments, as well as the tools and techniques needed to build a fully functioning website. Time management and development of good work ethics is crucial to using lab time effectively to meet project deadlines. A fee is charged for this course.

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**+Portfolio Studio**

**1 Credit**

**Regular Grading Scale**

**Prerequisite:** *CONCURRENTLY taken with an AP Art Class or, for a Senior Visual Art student who has completed 2 AP Art Classes*

Portfolio Studio is offered only to students who are currently taking an AP Art Class or to a Senior who has already taken 2 AP classes and wishes to develop their portfolio for college admission and/or scholarship opportunities such as Scholastic Arts. A fee is charged for this course.

**+Yearbook**

**1 credit**

**Grades 10, 11, 12**

**Regular Grading Scale**

**Prerequisites:** *Approval of advisor based on application, English/Art teacher recommendation, and current Yearbook Staff input*

Content includes writing, editing, and proofreading. The course affords the students the opportunity to incorporate journalistic elements into the planning and production of the school's yearbook. Students will become involved in all aspects of yearbook production: writing, editing, photography, layout and design, computer, and sales.

**+Honors Chorale**

**1 credit**

**Grades 9, 10, 11, 12**

**Honors Grading Scale**

**Prerequisite:** *audition required and Director Approval*

Chorale is an auditioned, elite group specializing in small-ensemble and a cappella works, including madrigals and contemporary/pop literature. This ensemble will perform regularly in the school and community setting as the flagship choral ensemble of Christian Academy. Grades consist of regular participation, written and group assignments, sight singing exams, and performances. Participation outside of the regular school day is required and will be graded. Auditions for Chorale will be held after registration for the current school year has closed.

**+Men's Choir**

**1 credit**

**Grades 9, 10, 11, 12**

**Regular Grading Scale**

Men's Choir is a non-prerequisite class for young men, of all singing experience levels. This ensemble emphasizes the basic fundamental choral skills, which include music literacy, sight reading, vocal technique, and introductory music theory. They perform a variety of accompanied and a cappella standard choral literature for the male voice, and will also combine with the Women's choir during concerts. Grades consist of daily participation, individual sight singing and rhythm quizzes, performances, and written assignments. Participation outside of the regular school day is required and will be graded.

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**+Women's Choir**

**1 credit**

**Grades 9, 10, 11, 12**

**Regular Grading Scale**

Women's Choir is a non-prerequisite class for young women, of all singing experience levels. It is an introductory to intermediate level group, building on the basic fundamental choral skills which include music literacy, sight reading, vocal technique, and introductory music theory. This group performs a variety of accompanied and a cappella standard choral literature for the female voice at varying levels of difficulty, and will also combine with the Men's Choir during concerts. Students will perform regularly throughout the semester in the school and community setting. Grades consist of daily participation, sight singing and rhythm quizzes, performances and written assignments. Participation outside of the regular school day is required and will be graded.

**+Show Choir**

**1 credit**

**Grades 10, 11, 12**

**Regular Grading Scale**

**Prerequisite:** *High School Women's Choir or Chorale, audition and Director Approval required, maximum 30 students*

Show Choir is an auditioned, performance-based group specializing in Broadway, pop, musical theater repertoire. Students will have the opportunity to perform and compete in local and regional festivals and contests throughout the school year. Grades consist of daily participation, sight singing, choreography exams, rhythm quizzes, and performances. Participation outside of the regular school day is required and will be graded. A uniform rental fee will be collected at the beginning of the year for ladies dresses. Uniform dance shoes are required. Participation in this ensemble requires students to purchase dance shoes and ladies uniform dance tights. All uniforms and accessories will be rented and purchased through the choral department. Auditions for Show Choir will be held after registration for the current school year has closed.

**+Percussion Ensemble**

**1 credit**

**Grades 9,10,11,12**

**Regular grading scale**

**Prerequisite:** *Must be enrolled in a primary music ensemble, Director approval*

Percussion Ensemble is an instrumental music-performing group that is meant to further the development of playing techniques for marching, percussion, mallet, and auxiliary instruments. Participation by playing either a prepared solo or ensemble is a requirement for this course as well as performing at a concert at the end of the each semester.

**+Concert Band**

**1 credit**

**Grades 9**

**Regular Grading Scale**

**Prerequisite:** *Director Approval*

The Concert Band is an instrumental music-performing group that will participate in concerts, chapel programs, music festivals, contests, and other school or community events. Participation outside of the regular school day is required and will be part of the grade. Pep band is required by selected members of the Concert Band and they will be expected to perform at selected home football and basketball events.

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**+Symphonic Band**

**1 credit**

**Grades 10, 11, 12**

**Regular Grading Scale**

**Prerequisite:** *Director Approval*

This is a focused music-performing ensemble developing excellence through performance. They will participate in concerts, chapel programs, music festivals, contests, and other school or community events. Participation outside of the regular school day is required and will be part of the grade. Incoming 9th graders who were in Concert Band as an 8th grader have the opportunity to audition into this ensemble.

**+Honors Wind Ensemble**

**1 credit**

**Grades 9, 10, 11, 12**

**Honors Grading Scale**

**Prerequisites:** *Audition only*

This is a focused and intense music-performing ensemble developing excellence in performance. They will participate in concerts, music festivals, contests, and other school or community events. Participation outside of the regular school day is required and will be part of the grade. A music fee of \$50 will be assessed during the 1st semester.

**+Concert Orchestra**

**1 credit**

**Grades 9 (includes MS 8<sup>th</sup> grade)**

**Regular Grading Scale**

Concert orchestra is an intermediate string ensemble for eighth and ninth grade students. As part of this class students will continue to develop intonation skills while learning more complex rhythmic patterns, time signatures, and multiple new key signatures. Students will also be introduced to higher positions (III position, IV position for cello), shifting, harmonics, and beginning vibrato. Concert orchestra performs at the KMEA large ensemble festival at the grade 3 level.

**+Serenade Orchestra**

**1 credit**

**Grades 10, 11, 12**

**Regular Grading Scale**

Serenade orchestra is an advancing string ensemble for tenth through twelfth grade students. Ninth grade students who study privately may audition for placement in this group. As part of this class students will begin to refine intonation in various keys. Students at this level are comfortable playing in and shifting to III position (IV position and extensions for cello) and are beginning to apply that knowledge in more advanced concert literature. Serenade orchestra performs at the KMEA large ensemble festival at the grade 4 level.

**+Honors Chamber Orchestra**

**1 credit**

**Grades 10, 11, 12**

**Honors Grading Scale**

**Prerequisite:** *Audition only and Director Approval*

Honors Chamber orchestra is an advanced string ensemble for tenth through twelfth grades. Students are admitted into Chamber Orchestra through audition and director approval. Students at this level are comfortable with III and V position (III IV cello) and basses play across strings in addition to higher shifting. These students have developed a polished vibrato and display flexibility in right wrist and fingers allowing for more advanced bow techniques such as spiccato and legato. Honors Chamber orchestra performs at the KMEA large ensemble festival at the grade 5-6 level.

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**+Conducting**

**1 credit**

**Grades 11, 12**

**Regular Grading Scale**

**Prerequisites:** *Band, Choir or Orchestra*

The course is designed to expand and define the mechanical skills developed, particularly baton technique, usage of the left hand in conducting, and a deeper understanding of the musical score. In addition, attention is given to score preparation, to the understanding of transposition, rehearsal techniques, interpretation, and to the entire process of non-verbal communication necessary for successful communication as a conductor.

**+Group Piano**

**1 credit**

**Grades 9,10,11,12**

**Regular Grading Scale**

Group Piano is an opportunity for students within the School of the Arts to learn basic piano, music theory and performance skills. No prior experience required. A scaffolded approach to the class allows for both beginning and intermediate level students to participate in the course. For those considering a major or minor in music, this class will prepare students for group piano class required as a college music major.

**+Honors Jazz Band**

**1/2 credit**

**Grades 11, 12**

**Honors Grading Scale**

**Prerequisites:** *Director Approval*

The Jazz Band is an instrumental music group that meets before school on Tuesday and Thursday. The group will be expected to play in concerts, chapel programs, music festivals, contests, and other school or community events. Participation outside of regular school days will be required and graded.

*This course meets before school two mornings a week. The course cannot be selected during online registration. Students will be scheduled manually after sign ups.*

**+Music History**

**1 credit**

**Grades 9, 10, 11, 12**

**Regular Grading Scale**

Students will be engaged in a walk through musical history. The course aims to widen the musical horizons and receptiveness of the standard listener, providing the student a heightened understanding of all genres of music, from Renaissance and Baroque to pop music, movie music, and jazz.

**+AP Music Theory**

**1 credit**

**Grades 11, 12**

**AP Grading Scale**

**Prerequisites:** *A or B in Music Theory and History or teacher approval*

AP Music Theory is an in-depth look into ways of understanding on a collegiate level. In this class we will take an integrated approach to harmony, ear training, and compositional techniques which will better prepare students for not only the AP college exam but also the entrance exam for any college music department. An AP testing fee is charged for this course.

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**+Intro to Theatre Arts**

**1 credit**

**Grades 9, 10, 11, 12**

**Regular Grading Scale**

This course offers a study of the foundations of theatre performance and production. Topics include an introduction to classic and contemporary theatre as well as acting, staging, costuming, etc. Participation outside of class time is required and is part of the grade.

**+Advanced Theatre Arts**

**1 credit**

**Grades 10, 11, 12**

**Regular Grading Scale**

**Prerequisites:** 1 of the following: 100 hours in theatre experience, International Thespian Society membership or Intro to Theatre Arts

This course offers intermediate to advanced drama students an opportunity to grow in skill and production within performance. Topics include a study in monologues, character analysis, audition skills, and career reparation. Participation outside of class time is required and is part of the grade.

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## Health, Physical Education and Home Economics Department

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**Health****1/2 credit****Grade 9****Regular Grading Scale**

The purpose of this class is to present the Bible as the foundation for a healthy lifestyle. This class will deal with the integration of the physical, emotional, mental, social, and spiritual dimensions.

**Physical Education****1/2 credit****Grade 9****Regular Grading Scale**

Ninth grade physical education deals with the development of team sports skills such as basketball, soccer, softball, volleyball, floor hockey, as well as some of the individual activities such as weight training and aerobics. Calisthenics and physical fitness exercises are a part of each day's activities. A CAL physical education uniform is required.

**+Boys Advanced Physical Education****1 credit****Grades 10, 11, 12****Regular Grading Scale**

**Prerequisites:** *Physical Education, Health, teacher recommendation.*

Students will engage in and explore a variety of advanced fitness activities. This course is designed to help students build and apply their own personal exercise programs by incorporating fitness with other activities not done on a normal basis. Fitness tests and activity logs are all part of this program. A fee is charged for this course.

**+Girls Advanced Physical Education****1 credit****Grades 10, 11, 12****Regular Grading Scale**

**Prerequisites:** *Physical Education, Health, Teacher recommendation. Priority will be given to 12th graders, followed by 11th graders and 10th graders until the class is full.*

Students will engage in and explore a variety of advanced fitness (strength, cardiovascular, aerobic) activities and indoor and outdoor adventure activities, sports and games. This course is designed to help students build and apply their own personal exercise/ activity program by incorporating fitness with other activities not done on a normal basis. Fitness tests and activity logs are a part of this program. A fee is charged for this class.

**+Home Economics****1 credit****Grades 10, 11, 12****Regular Grading Scale**

This course is designed to teach basic knowledge in each of the five major subject matters in Home Economics: Foods and Nutrition, Human Growth and Development, Housing and Home Furnishings, Clothing and Textiles, and Financial Management and Consumerism. Students will experience hands-on learning through the use of labs. This course may be taken only once. A fee will be charged for consumables.

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**+Clothing & Textiles**

**1 credit**

**Grades 10, 11, 12**

**Regular Grading Scale**

**Prerequisites:** *Home Economics*

This course will emphasize the elements and principles of design and application in clothing construction. Students will be taught to construct garments. A fee will be charged and students will be responsible for providing fabric for garments.

**+Culinary Arts**

**1 credit**

**Grade 12**

**Regular Grading Scale**

**Prerequisites:** *Home Economics and teacher approval*

This course is designed to continue with the cooking skills introduced in Home Economics. Students will learn more advanced skills necessary for planning and preparing nutritious meals and catering. Students will experience hands-on learning through the use of labs. Participation outside class time is required and will be part of the grade. A fee will be charged for consumables.

**+Lifespan Development**

**1 credit**

**Grades 10, 11, 12**

**Regular Grading Scale**

This course is designed for students interested in careers in education, healthcare, psychology, ministry as well as future parenting. Students will explore developmental theories, stages of growth and development, child safety, health, and nutrition. A mix of academic content, discussions, projects, and real-life applications will be used. Emphasis is placed on introducing students with the knowledge and skills essential to the care and guidance of children, an understanding of adult decision making, family structure, incorporating each stage of adulthood all the way to end of life. Students will leave with the tools that are necessary for genuine empathy for individuals in each stage of life. Experiential learning and life application make this course one that allows for a great deal of personal growth.

## Mathematics Department

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**Note:** Students may only move from non-honors courses to honors courses with departmental permission and an acceptable score on a placement test. Students who wish to take Geometry and Algebra II in the same year must take both courses at the honors level if they wish to take Honors Precalculus and must obtain departmental approval before registering.

### **College Prep Algebra I**

**1 credit**

**Grades 9, 10**

#### **Regular Grading Scale**

This is the first course of higher-level math and is the basis for all math courses taught at the high school level. Topics of study include solving equations, graphing equations, solving systems of equations, solving and graphing inequalities, properties of exponents, introduction to polynomial equations and factoring, rational equations, and properties of radicals.

### **Honors Algebra I**

**1 credit**

**Grades 9, 10**

#### **Honors Grading Scale**

**Prerequisite:** Teacher recommendation and test scores

The content is the same as that of Algebra I, but is covered in greater depth. There is also an emphasis on problem solving and higher-level thinking.

### **College Prep Geometry**

**1 credit**

**Grades 9, 10, 11**

#### **Regular Grading Scale**

**Prerequisites:** Algebra I

Geometry introduces the students to proofs and deductive reasoning. Topics of study include proofs, congruence of triangles, parallel lines, properties of various quadrilaterals, properties of right triangles, special right triangles, circles, areas, volumes, coordinate geometry, transformations, and preparation for college entrance examinations.

### **Honors Geometry**

**1 credit**

**Grades 9, 10, 11**

#### **Honors Grading Scale**

**Prerequisites:** An average of B or higher in Honors Algebra I or 8th grade Algebra and teacher recommendation

The student is introduced to proofs, inductive and deductive reasoning, and indirect proofs with analytical thinking processes and challenging problem solving. Topics of study include proofs, congruence of triangles, parallel lines, properties of various quadrilaterals, properties of right triangles, special right triangles, circles, areas, volumes, coordinate geometry, transformations, and preparation for college entrance examinations.

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 **College Prep Algebra II**

**1 credit**

**Grades 10, 11, 12**

**Regular Grading Scale**

**Prerequisites:** *Algebra I and Geometry* Algebra II is the second year of Algebra taught at the secondary level. This course extends the students' knowledge of concepts learned in the first Algebra course and covers solving systems of equations, matrices, quadratic equations, functions, exponents, and sequences and series.

 **Honors Algebra II**

**1 credit**

**Grades 10, 11, 12**

**Honors Grading Scale**

**Prerequisites:** *Honors Algebra I, an average of B or higher in Honors Geometry and teacher recommendation*

This course stresses the methods of mathematical problem-solving with emphasis on patterns, relationships, and problem-solving strategies. Higher order equations and transcendental functions are covered. The graphing calculator is used as a tool of discovery and for checking work. It is the goal of this course to strengthen the students' critical thinking skills and to show how mathematical thinking can be applied in all disciplines.

 **College Prep Precalculus**

**1 credit**

**Grades 11, 12**

**Regular Grading Scale**

**Prerequisites:** *Algebra I, Geometry and Algebra II and teacher recommendation*

Precalculus includes the study of polynomials and their zeros, rational functions, functions that involve radicals, the trigonometric functions, including analytic trigonometry and applications of trigonometric functions, logarithmic and exponential functions, including the applications and graphs of each. Solving systems of linear equations, sequences, series, and applications of probability are also covered.

 **Honors Precalculus**

**1 credit**

**Grades 11, 12**

**Honors Grading Scale**

**Prerequisites:** *Honors Algebra I, Honors Geometry, an average of B or higher in Honors Algebra II and teacher recommendation*

Honors Precalculus includes the topics covered in Precalculus, but they are covered in greater detail. Also, higher-level reasoning is stressed. Dual Credit Opportunity.

 **College Prep Statistics/Survey of Modern Mathematics**

**1 credit**

**Grade 12**

**Regular Grading Scale**

**Prerequisite:** *Precalculus and teacher recommendation, only seniors may take this course*

Statistics includes the study of frequency distributions, the normal distribution, collecting and interpreting data, and communicating information. Survey is an overview of the application of mathematics in the areas of social choice, management science, and technology. Topics include voting methods, fair division, compound interest, and investing.

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 **Quantitative Reasoning**

**1 credit**

**Grade 12**

**Regular Grading Scale**

**Prerequisites:** *Algebra II and teacher recommendation*

Quantitative Reasoning is a practical mathematics course designed to prepare students to make informed decisions in everyday life, work, and society. Students develop essential problem-solving and critical-thinking skills by applying mathematical concepts to real-world contexts such as personal finance, employment, consumer credit, and independent living. The course emphasizes interpreting data presented in tables, graphs, formulas, and written scenarios to draw meaningful conclusions. Students learn to model real situations using algebraic, numerical, graphical, and statistical methods. Topics include budgeting, banking, investing, taxes, automobile ownership, and business decision-making.

 **Honors Calculus**

**1 credit**

**Grade 12**

**Honors Grading Scale**

**Prerequisites:** *A or B in Honors Precalculus and teacher recommendation*

Calculus is the branch of mathematics that deals with change. It includes the study of limits, maximum and minimum values, functions and their graphs, the area under a curve, velocity, speed, and other rates of change. Students who choose the Dual Credit option will receive credit for Elementary Calculus (Business Calculus) not Calculus 1. Dual Credit Opportunity.

 **AP Calculus**

**1 credit**

**Grade 12**

**AP Grading Scale**

**Prerequisites:** *An average of B+ or higher in Honors Precalculus and teacher recommendation*

Calculus is the branch of mathematics that deals with change. It includes the study of limits, maximum and minimum values, functions and their graphs, the area under a curve, velocity, speed, and other rates of change. Near the completion of this course, students will take the AP exam to qualify for college credit. A testing fee is charged for this course.

 **AP Statistics**

**1 credit**

**Grade 11, 12**

**AP Grading Scale**

**Prerequisites:** *A or B in Honors Algebra II, and Honors Precalculus and teacher recommendation*

AP Statistics is equivalent to an introductory, non-calculus-based college course in statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Near the completion of this course, students will take the AP exam to qualify for college credit. A testing fee is charged for this course.



**School of Engineering** offers a life-changing, Christ-centered, service-focused and hands-on approach to the engineering design process. Students will take courses that establish the engineering design process and project management. As well as internship opportunities with biblically centered engineering leaders. They complete projects such as designing disaster relief centers, robotic assistants, computer-aided design prototypes, CNC milled designs and products as well as automated manufacturing plants. In this program students will experience God's presence as they learn to appreciate His engineering design and His purpose for their future.

**+Honors Computer Science Principles (PLTW)**

**1 credit**

**Grades 10, 11, 12**

**Honors Grading Scale**

Using Python® as a primary tool, students learn the fundamentals of coding, data processing, data security, and task automation, while learning to contribute to an inclusive, safe, and ethical computing culture. The course promotes computational thinking and coding fundamentals and introduces computational tools that foster creativity. Computer Science Principles helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cybersecurity, and simulation. PLTW is recognized by the College Board as an endorsed provider of curriculum and professional development for AP® Computer Science Principles (AP CSP). This endorsement affirms that all components of PLTW CSP's offerings are aligned to the AP Curriculum Framework standards and the AP CSP assessment. Dual Credit Opportunity.

A fee will be charged for this course.

**☒+Engineering Essentials (PLTW)**

**1 credit**

**Grades 9, 10**

**Regular Grading Scale**

Engineering Essentials (EE) is a foundation course in the PLTW Engineering Pathway. Students explore how engineers make a difference and improve lives, while using modern engineering tools, such as geographic information systems with ArcGIS, 3-D solid modeling software, and prototyping equipment. Students solve rigorous and relevant design problems using engineering design concepts in independent projects and also part as a collaborative team to develop solutions to community and global challenges that the next generation of engineers will face. Students discover how they fulfill a special place within God's Creation Mandate; to subdue the earth while extracting and making use of its resources to benefit people everywhere. Dual Credit Opportunity. A fee will be charged for this course.

**☒+Introduction to Engineering Design**

**Project Lead the Way (PLTW)**

**1 credit**

**Grades 10,11,12**

**Regular Grading Scale**

**Prerequisites:** *Algebra I and Engineering Essentials*

Introduction to Engineering Design (IED) is a foundation course in the PLTW Engineering Pathway that introduces students to the role, impact, and practice of engineering and how they fulfill a special place within God's Creation Mandate; to subdue the earth while extracting and making use of its resources to benefit people everywhere. In this activity-project-problem-based classroom students will explore ways to love their

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neighbor and make the world a better place, implementing the four fundamental disciplines of the engineering profession. Students will be introduced to the design process, will improve product design, assess design solutions, and justify design decisions. This course implements sketching, computer modeling software used to create CAD models to represent simple objects in a virtual 3D environment including printing, measurement and statistics, visual design elements, and functional analysis as students assemble, disassemble, and test manufacturing of various products. Hands-on, structured activities are implemented to solve open-ended projects and problems for students to learn proper planning, effective documentation, communication, and other professional skills required in the field of engineering. This course will be offered according to student interest and staff availability. Dual Credit Opportunity. A fee will be charged for this course.

**+Honors Principles of Engineering**

**Project Lead the Way (PLTW)**

**1 credit**

**Grades 10, 11, 12**

**Honors Grading Scale**

**Prerequisites:** *Algebra I, Geometry, Engineering Essentials and Introduction to Engineering Design. May take Introduction to Engineering Design (IED) in conjunction with Principles of Engineering with approval.*

Principles of Engineering (POE) is the third foundation course in the PLTW Engineering Pathway where students will develop in the practice of engineering and fulfill a special place within God's Creation Mandate; to subdue the earth while extracting and making use of its resources to benefit people everywhere. The course exposes students to some of the major concepts that they will encounter in the post-secondary engineering course of study: design mechanisms, the strength of materials and structures, automation, and motion. Students have an opportunity to investigate engineering and high tech careers. POE gives students the opportunity to develop skills and understanding of course concepts through activity-, project-, and problem-based (APB) learning. Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. A fee will be charged for this course.

**+Honors Computer Integrated Manufacturing (PLTW)**

**1 credit**

**Grade 12**

**Honors Grading Scale**

**Prerequisites:** *Engineering Essentials, Introduction to Engineering Design, and Principles of Engineering.*

This course is the capstone requirement for School of Engineering distinction. Computer Integrated Manufacturing (CIM) deepens the skills and knowledge of an engineering student within the context of efficiently creating the products around us so that the student may be equipped to be a steward for others. Students build upon their Computer Aided Design (CAD) experience through the use of Computer Aided Manufacturing (CAM) software. CAM transforms a digital design into a program that a Computer Numerical Controlled (CNC) mill uses to transform a block of raw material into a product designed by a student. Students learn and apply concepts related to integrating robotic systems such as Automated Guided Vehicles (AGV) and robotic arms into manufacturing systems. Throughout the course students learn about manufacturing processes and systems. This course culminates with a capstone project where students design, build, program, and present a manufacturing system model capable of creating a product. A fee will be charged for this course.

## Science Department

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### College Prep Anatomy & Physiology

1 credit

Grades 11, 12

Regular Grading Scale

Prerequisites: *Biology and Chemistry*

Anatomy students will focus on the anatomical systems of the human body with an introduction to the physiological processes seen in humans. Dissections will be utilized throughout the year to stress each system being studied. Students who register for the class MUST participate in the dissection process.

### Honors Anatomy and Physiology

1 credit

Grades 11, 12

Honors Grading Scale

Prerequisites: “A” or “B” in Honors Chemistry and teacher recommendation

Students will focus on the systems of Anatomy and Physiology and investigate, through dissection, an in-depth examination of each system. An emphasis is also made on the application of acquired knowledge to case studies of real-life situations. Critical-thinking skills will be utilized throughout the year for a deeper study of the human body. Students who register for this class MUST participate in the dissection process.

### College Prep Biology

1 credit

Grades 9, 10

Regular Grading Scale

Biology students will focus on basic cell structure, cell function, genetics, photosynthesis, ecology, classification, and evolution/creation. Application of scientific method and problem-solving techniques will be taught along with proper laboratory techniques.

### Honors Biology

1 credit

Grades 9, 10

Honors Grading Scale

Prerequisites: Teacher recommendation and acceptable standardized test scores

Honors Biology students will focus on basic cell structure, cell function, genetics, photosynthesis, ecology, classification and evolution/creation. Students will learn an overview of some of the basic body systems. Application of scientific method and problem-solving techniques will be taught along with proper laboratory method. Students in this fast-paced course are encouraged to focus on higher learning skills through the integration and application of concepts and will be encouraged to strengthen their investigative and critical thinking skills.

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**↳ Principles of Biomedical Science with Biology**

**1 credit**

**Grades 9, 10**

**Honors Grading Scale**

**Prerequisites:** *Teacher recommendation and acceptable standardized test scores*

This course is for students who are interested in taking Principles of Biomedical Science as their Honors Biology credit. Additional Biology topics will be covered in addition to the Principles of Biomedical Science curriculum. In this introductory course of the Biomedical Science program, students explore concepts of biology and medicine to determine factors that led to the death of a fictitious person. While investigating the case, students examine autopsy reports, investigate medical history, examine ecological impacts, and explore medical treatments that might have prolonged the person's life. In this course, students will also propose treatment for patients in a family medical clinic, stabilize a patient during an emergency, and collaborate with others to design solutions to local and global medical problems. These activities and projects introduce students to human physiology, biology, medicine and research processes and allow students to design experiments to solve problems. A fee will be charged for this course. Dual Credit Opportunity.

**↳ AP Biology**

**1 credit**

**Grades 11, 12**

**AP Grading Scale**

**Prerequisites:** *Honors Chemistry, Honors Biology, and teacher recommendation*

Students will expand on concepts learned in Honors Biology. Special focus will be given to the relationship between these concepts and their application through problem solving. Topics include: cell biology, genetics, DNA biology, biotechnology and ecology. AP exam strategies will also be taught. This is a rigorous course designed to prepare students for success on the Advanced Placement College Board exam. A fee is charged for this course.

**↳ College Prep Chemistry**

**1 credit**

**Grades 10, 11**

**Regular Grading Scale**

**Prerequisites:** *Biology, Algebra I*

Chemistry students will be taught proper laboratory techniques and continue to develop problem-solving skills. The student will apply information both quantitatively and qualitatively and incorporate accumulated knowledge with new information. Specific topics studied will be matter and energy, chemical formulas and equations and their mathematical application, gas laws, chemical bonding, the periodic table, atomic structure and space science.

**↳ Honors Chemistry**

**1 credit**

**Grades 10, 11**

**Honors Grading Scale**

**Prerequisites:** *"A" or "B" in Honors Biology or PBS with Biology and Honors Math and Honors math/science teacher recommendation*

This is a physical science course designed to introduce students to laboratory equipment and proper laboratory technique. Students will develop problem solving skills through class work and laboratory activities. Topics studied include matter and energy, chemical formulas and equations, the mathematical application of these equations, gas laws, chemical bonding, solutions, space science and the periodic table.

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 **AP Chemistry**

**1 credit**

**Grades 11, 12**

**AP Grading Scale**

**Prerequisites:** “A” or “B+” average in Honors Chemistry, Honors Biology, or PBS with Biology, Honors Algebra II and Honors math/science teacher recommendation

Students will expand on the important chemical concepts covered in Honors Chemistry. These concepts include stoichiometry, states of matter, the structure of matter, and descriptive chemistry. Through problem solving, special focus will be given to the relationships between concepts and their applications. The topics of chemical equilibria, acid base chemistry, kinetics, thermodynamics, and electrochemistry will be introduced. Laboratory experiments will be conducted to reinforce the material studies. Students will develop the skills of data interpretation and error analysis through laboratory work. AP exam strategies will also be taught. This is a rigorous course designed to prepare students for success on the required Advanced Placement College Board exam. A fee is charged for this course.

 **+Introduction to Astronomy**

**.5 credit**

**Grades 9, 10, 11, 12**

**Regular Grading Scale**

**Prerequisites:** *None*

This course is an Introductory survey of our universe; from observations of the sun, moon, and stars in the sky to our understanding of planets, stars, galaxies, and the overall characteristics of the cosmos. A fee will be charged for this course.

 **Conceptual Physics**

**1 credit**

**Grades 11, 12**

**Regular Grading Scale**

**Prerequisites:** *Algebra II must be taken prior to or concurrently with Conceptual Physics*

The student's study of Conceptual Physics will enable him/her to better appreciate nature by learning the natural laws God set in place to govern the universe. Concepts from six branches of physics will be addressed: mechanics, thermodynamics, wave phenomena, light/optics, electromagnetism and relativity. Students will study energy, the forces that move matter, and connections will be made with earth and space science. Students will perform experiments, solve problems, participate in hands-on activities, analyze and interpret data, and use technology. Proper lab techniques will also be practiced.

 **Honors Physics**

**1 credit**

**Grades 11, 12**

**Honors Grading Scale**

**Prerequisites:** *Algebra II must have already been taken or must be taken concurrently with Honors Physics, math admissions test and teacher recommendation.*

Students will study the areas of mechanics, waves, optics, and electromagnetism. These topics will be covered in depth and do require higher-learning skills. Students will also use their algebra background to solve expressions dealing with the laws of physics. A strong understanding of these math skills is critical for success in this course. Honors Physics will cover more topics and will therefore move at a faster pace than the regular physics course. Proper lab techniques and problem-solving will be practiced. This course may be offered on-line, during school hours.



**The School of Biomedical Science PLTW empowers the Next Generation of Medical Innovators.** Dive into the world of medicine through hands-on, project-based learning. In this sequence, students step into the roles of biomedical professionals to investigate real-world medical mysteries, from forensic science to clinical medicine. Students will participate in Hands-On Learning, building foundational laboratory skills through DNA analysis, biological dissections, and medical technology innovations. They will solve complex problems in human physiology, genetics, and public health preparing them for real world situations. Explore academic and career pathways in medicine, research, and healthcare innovation.

**HS+Principles of Biomedical Science**

**Project Lead the Way (PLTW)**

**1 credit**

**Grades 9, 10, 11, 12**

**Honors Grading Scale**

**Prerequisites:** *none*

In this introductory course of the Biomedical Science program, students explore concepts of biology and medicine to determine factors that led to the death of a fictitious person. While investigating the case, students examine autopsy reports, investigate medical history, examine ecological impacts, and explore medical treatments that might have prolonged the person's life. In this course, students will also propose treatment for patients in a family medical clinic, stabilize a patient during an emergency, and collaborate with others to design solutions to local and global medical problems. These activities and projects introduce students to human physiology, biology, medicine and research processes and allow students to design experiments to solve problems. Dual Credit Opportunity. A fee will be charged for this course.

**HS+Human Body Systems**

**Project Lead the Way (PLTW)**

**1 credit**

**Grades 10, 11, 12**

**Honors Grading Scale**

**Prerequisite:** *"C+" or above in Principles of Biomedical Science or Teacher Approval*

Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Exploring science in action, students build organs and tissues on a skeletal Manikin®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases. A fee will be charged for this course. Dual Credit Opportunity.

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 **Medical Interventions**

**Project Lead the Way (PLTW)**

**1 credit**

**Grades 10, 11, 12**

**Honors Grading Scale**

**Prerequisites:** *Principles of Biomedical Science, “B” or above in Human Body Systems or teacher approval*

Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. A fee will be charged for this course. Dual Credit Opportunity.

 **Biomedical Innovation**

**Project Lead the Way (PLTW)**

**1 credit**

**Grade 12**

**Honors Grading Scale**

**Prerequisites:** *“B” or better in at least two of the following PLTW courses: Principles of Biomedical Science, or Human Body Systems and Medical Interventions and teacher recommendation*

In the final course of the PLTW Biomedical Science sequence, students build on the knowledge and skills gained from previous courses to design innovative solutions for the most pressing health challenges of the 21<sup>st</sup> century. Students address topics ranging from public health and environmental health to emergency room design and physiology. Students will have the opportunity to participate in an internship in their field of interest. Medical Interventions and Biomedical Innovation may be taken concurrently with special permission. A fee will be charged for this course. Dual Credit Opportunity.

## Social Studies Department

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### College Prep World Civilization

1 credit

Grade 10

#### Regular Grading Scale

The World Civilizations student will study the history and culture of the modern world. The primary study will focus on the time period from the Renaissance through present world situations. Special emphasis will be given to viewing historical events through a biblical worldview.

### Honors World Civilization

1 credit

Grade 10

#### Honors Grading Scale

**Prerequisites:** “B+” or above in Honors English or “A-” or above in CP English, English teacher recommendation, and 85 stanine/percentile score on nationally recognized achievement test

The Honors World Civilizations student will study the history and culture of the modern world. The primary study will focus on the time period from the Renaissance through present world situations. The student will be involved in critical reading of primary and secondary sources and in individual research. High levels of learning, critical thinking, and decision-making will be required of the successful honors student. Special emphasis will be given to viewing historical events through a biblical worldview.

### AP World History

1 credit

Grade 10

#### AP Grading Scale

**Prerequisites:** Recommend Honors English receiving B+ or higher or B or higher in AP Human Geography, teacher recommendation and/or 85 stanine/percentile score on reading comp achievement test

The AP World History course content is structured around the investigation of six course themes and nineteen key concepts divided into chronological periods, from approximately 1200 to the present with emphasis placed on viewing historical events through a biblical worldview. The key concepts help teachers and their students understand, organize, and prioritize historical developments within each of the chronological periods. The course will require solid reading and writing skills, along with a willingness to devote considerable time to homework and study. Emphasis is placed on historical reasoning skills, essay writing, and interpretation of primary and secondary sources. Near the completion of this course, students will take the AP exam to qualify for college credit. A testing fee is charged for this course.

### College Prep U.S. History

1 credit

Grade 11

#### Regular Grading Scale

**Prerequisites:** World Civilization

The U.S. History student will study the history and culture of the United States of America. The primary scope of the course will pick up during the Reconstruction period and conclude in the Present-day. The successful student of this course will conduct critical research using primary and secondary sources; practice historical inquiry; complete challenging essays; and direct their own mastery. Special emphasis will be given to how Biblical themes illuminate historical events in the United States.

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 **Honors U.S. History**

**1 credit**

**Grade 11**

**Honors Grading Scale**

**Prerequisites:** *"B" or higher in Honors World Civilization or an "A-" or higher in CP World History, teacher recommendation and 85 stanine/percentile score on nationally recognized achievement test*

The Honors U.S. History student will study the history and culture of the United States of America. The primary scope of the course will begin in the Reconstruction period and conclude in the Present-day. The successful student of this course will conduct critical research using primary and secondary sources; practice historical inquiry; engage in academic essay writing; and accomplish high standards of self-directed learning and thinking. This course will proceed at an accelerated pace. Special emphasis will be given to viewing historical events through a biblical worldview.

 **AP U.S. History**

**1 credit**

**Grade 11**

**AP Grading Scale**

**Prerequisites:** *Recommend Honors World Civilization receiving B+ or higher or B or higher in AP World History, teacher recommendation and/or 85 stanine/percentile score on reading comp achievement test*

AP U.S. History is a challenging course that is meant to be the equivalent of a college survey course. The course encompasses American history from the age of exploration to the present with emphasis placed on God's hand at work in the course of history. The course will require solid reading and writing skills, along with a willingness to devote considerable time to homework and study. Emphasis is placed on critical thinking skills, essay writing and interpretation of primary and secondary sources. Near the completion of this course, students will take the AP exam to qualify for college credit. A testing fee is charged for this course.

 **College Prep Economics**

**1/2 credit** (offered 2nd semester only)

**Grade 12**

**Regular Grading Scale**

This course encompasses the major theories and the work of recognized experts in the field. The course also covers paycheck management, simple banking procedures, various aspects of the taxation process and consumerism using Dave Ramsey's Financial Peace curriculum.

 **Honors Economics**

**1/2 credit** (offered 2nd semester only)

**Grade 12**

**Honors Grading Scale**

**Prerequisites:** *"B+" or above in Honors or an "A-" or above AP U.S. History, teacher recommendation and 85 stanine/percentile score on nationally recognized achievement test*

The Honors Economics student will be exposed to a course of study that encompasses major theories and the work of some recognized experts in the field. This course also covers paycheck management, simple banking procedures, various aspects of the taxation process, and consumerism using Dave Ramsey's Financial Peace curriculum. Both micro- and macroeconomics will be explored and special emphasis will be given to the Christian's view of stewardship.

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 **AP Microeconomics**

**1/2 credit** (offered 2<sup>nd</sup> semester only)

**Grade 12**

**AP Grading Scale**

**Prerequisites:** *Recommend "B" or higher in AP US History or "B+" or higher in Honors US History, teacher recommendation and/or 85 stanine/percentile score on nationally recognized achievement test*

The purpose of the AP course in microeconomics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. The course will require solid reading and writing skills, along with a willingness to devote considerable time to homework and study. This class will be taught as a second semester class. Students will take the AP exam towards the end of the semester to qualify for college credit. A testing fee is charged for this course.

 **College Prep U.S. Government**

**1/2 credit** (offered 1st semester only)

**Grade 12**

**Regular Grading Scale**

This course introduces students to a study of the foundations of American government, encourages and equips them to take an active role in the governmental process.

 **Honors U.S. Government**

**1/2 credit** (offered 1st semester only)

**Grade 12**

**Honors Grading Scale**

**Prerequisites:** *"B" or higher in Honors or "B+" or higher in CP U.S. History and teacher recommendation and/or 85 stanine/percentile score on nationally recognized achievement test*

The Honors U.S. Government student will be exposed to a detailed study of the foundations of American government. The composition and workings of the three branches of our government will be explored as well as several landmark Supreme Court cases. Honors students will be encouraged and equipped to take an active role in the governmental process. Special emphasis will be given to God's hand in the founding of our nation.

 **AP Government and Politics**

**1/2 credit** (offered 1<sup>st</sup> semester only)

**Grade 12**

**AP Grading Scale**

**Prerequisites** *Recommend "B+" or above in AP US History or "A" or above in Honors US History, teacher recommendation and/or 85 stanine/percentile score on nationally recognized achievement test*

An introductory college course in United States government and politics that will provide the students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It will also require familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics. Students will be expected to learn important patterns of political processes and behavior and their consequences including explaining and justifying various government structures and procedures and the political effects of these structures and procedures. The course will require solid reading and writing skills, along with a willingness to devote considerable time to homework and study. This class will be taught as a first semester class. Students will take the AP exam towards the end of second semester to qualify for college credit. A testing fee is charged for this course.

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**AP+Introduction to Psychology**

**1 credit**

**Grades 11, 12**

**Regular Grading Scale**

Students will study the social science of the mind and human behavior. Topics will include the history of psychology, learning and memory, theories of human development, research methods, theories of personality, and social interaction. Special emphasis will be given to the biblical worldview of these topics.

**AP+AP Psychology**

**1 credit**

**Grade 12**

**AP Grading Scale**

**Prerequisites** Recommend "A" or "B" in AP US History or B+ or higher in Honors US History, teacher recommendation and/or 85 stanine/percentile score on nationally recognized achievement test

The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with major units of study, including biological bases of behavior, cognition, development, learning, social psychology, personality, mental and physical health. Throughout the course, students apply psychological concepts and employ psychological research methods and data interpretation to evaluate claims, consider evidence, and effectively communicate ideas. Students will examine how each topic is enhanced through a biblical worldview. AP Psychology students must take the AP Psychology exam near the end of the second semester. A testing fee is charged for this course.

**AP+AP Human Geography**

**1 credit**

**Grade 9, 10, 11, 12**

**AP Grading Scale**

**Prerequisites:** 85 stanine/percentile score on reading comp achievement test and/or teacher recommendation

The AP Human Geography course is designed to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the tools and methods geographers use in science and practice. Near the completion of this course, students will take the AP exam to qualify for college credit. A testing fee is charged for this course.

**+ Kentucky History**

**½ credit**

**Grade 10, 11, 12**

**Regular Grading Scale**

The Kentucky History student will study the geography, history, and government of the Commonwealth of Kentucky. Additionally, this one semester course will spend time investigating the effect of Kentucky and individual Kentuckians on key events in US and World history. The course will also explore regional culture and Kentucky's contributions to broader culture in the world.

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**+ Civil Rights Movements**

**1/2 credit**

**Grade 10, 11, 12**

**Regular Grading Scale**

This elective course provides an in-depth examination of the twentieth-century Civil Rights Movement in the United States. Students will study the social, political, and legal efforts to challenge racial segregation and discrimination, with attention to key events, organizations, and strategies that shaped the movement. Special emphasis is given to the role of Christian leaders and churches, exploring how biblical principles, faith-based activism, and moral leadership influenced the pursuit of justice, equality, and nonviolent change. Through historical analysis and primary sources, students will gain a deeper understanding of the movement's lasting impact on American society.

## World Languages Department

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### ☛ Spanish I

**1 credit**

**Grades 9, 10, 11**

#### **Regular Grading Scale**

Spanish I introduces the basics of Spanish vocabulary and grammar, while developing reading, writing, speaking, and listening skills. Students who take the CP Spanish courses will be unable to take honors courses later on. Meaning they will be unable to take Honors Spanish II, Honors Spanish III, or AP Spanish. Students who are fluent in Spanish can test out of Spanish 1 by taking the fall and spring Spanish 1 final exams. See the department chair to schedule this.

### ☛ Honors Spanish I

**1 credit**

**Grades 9, 10, 11**

#### **Honors Grading Scale**

**Prerequisites:** “A” in Middle School English or Spanish and teacher recommendation

Honors Spanish I is a fast-paced accelerated program for highly-motivated students. No previous exposure to Spanish is required. This course introduces the basics of Spanish vocabulary and grammar while developing proficiency in reading, writing, speaking, and listening skills while preparing them for Honors Spanish II. Students who are fluent in Spanish can test out of Spanish 1 by taking the fall and spring Spanish 1 final exams. See the department chair to schedule this.

### ☛ Spanish II

**1 credit**

**Grades 9, 10, 11, 12**

#### **Regular Grading Scale**

**Prerequisites:** Spanish I

Spanish II builds on and adds to the grammar and vocabulary concepts learned in Spanish I. Students will develop additional reading, writing, speaking, and listening skills. Students who take CP Spanish courses will be unable to take Honors courses later on. This means they will not be able to take Honors Spanish III or AP Spanish.

### ☛ Honors Spanish II

**1 credit**

**Grades 10, 11, 12**

#### **Honors Grading Scale**

**Prerequisites:** “A” or “B” in Honors Spanish I, and teacher recommendation

Honors Spanish II is a fast-paced accelerated program for highly motivated students. This course builds on and adds to the grammar and vocabulary concepts learned in Spanish I. Students will develop enhanced reading, writing, speaking, and listening skills while preparing them for Honors Spanish III.

### ☛ Honors Spanish III

**1 credit**

**Grades 10, 11, 12**

#### **Honors Grading Scale**

**Prerequisites:** “A” or “B” in Spanish II and teacher recommendation

Honors Spanish III is a fast-paced accelerated program for highly motivated students. This course builds on and adds to the grammar and vocabulary concepts learned in Spanish II, while focusing on increased fluency in reading, writing, speaking, and listening skills. Students will develop confidence in communicative ability while preparing for the rigor of AP Spanish Language.

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 **AP Spanish Language**

**1 credit**

**Grades 11, 12**

**AP Grading Scale**

**Prerequisites:** *“A” in Spanish III and teacher recommendation*

The AP Spanish Language and Culture course is a rigorous course taught exclusively in Spanish with the goal of acquiring excellent reading, writing, speaking and listening proficiencies. Students communicate using rich, advanced vocabulary and linguistic structures as they build proficiency in all modes of communication toward the pre-advanced level. Since one of the intended objectives of this class is to receive advanced placement and/or credits for college courses by passing the AP Spanish Language Exam, this class is conducted in a manner similar to the college experience and will require much dedication on the part of the student both inside and outside of the mandatory assignments given in class. A testing fee is charged for this course.

## Legend

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**+ An elective course does not take the place of a required course.**

**☒ Denotes core classes at CAL approved by the Eligibility Center.**

**College bound student athletes** - the NCAA has approved courses for use in establishing the initial eligibility certification status of student athletes. Students hoping to play sports in college for a Division I school must complete 16 core classes in high school. To play Division II you must complete 14 core classes in high school. Division III does not use the Eligibility Center.

**^On-Line Courses** described in this Course Description Catalog, CAL will pay for the course, but if the student drops after the drop date set by the on-line institution, the parents will need to reimburse CAL for all costs incurred. Prices vary per institution and course.

**Dual Credit Opportunity** Students may take classes at CAL and earn college credit while they are earning high school credit. This includes on-line courses with numerous colleges. Your counselor will have additional details on each course and the specific requirements for each institution. There is an additional cost that is paid to the college.

## Diploma Programs

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**For all Diploma Programs, the student shall complete 15 hours of community service each year, grades 9-12.** Half of the hours **may** be completed in a church setting and half **must** be served in a community setting. **A total of 60 community service hours are required to graduate** and students are encouraged to submit hours on an annual basis.

The **Standard Program** provides a basic traditional education.

**General Requirements:**

1. The student shall attend eight semesters, grades 9-12.
2. The student shall complete a minimum of 22 credits including one credit of Bible for each year of attendance at CAL.

**Specific Requirements:**

- Bible—4 credits (or 1 credit for each year at CAL)
  - English—4 credits
  - Mathematics—4 credits
  - Science—3 credits
  - Social Studies—3 credits
  - Physical Education—1/2 credit
  - Health Education—1/2 credit
  - Fine Arts—1 credit
  - Electives—2 credits
- 

The **College Preparatory Program** is more intense and includes course work required by major colleges and universities.

**General Requirements:**

1. The student shall attend eight semesters, grades 9-12.
2. The student shall complete a minimum of 24 credits including one credit of Bible for each year of attendance at CAL.
3. The student shall achieve a minimum cumulative weighted grade point average of 3.0.

**Specific Requirements:**

- Bible—4 credits (or 1 credit for each year at CAL)
  - English—4 credits
  - Mathematics—4 credits
  - Science—3 credits
  - Social Studies—3 credits
  - World Languages—2 credits
  - Physical Education—1/2 credit
  - Health Education—1/2 credit
  - Fine Arts—1 credit
  - Electives—2 credits
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The **Honors Program** provides a challenging course of study for top students and includes courses that offer the opportunity to earn college credit while at CAL.

**General Requirements:**

1. The student shall attend eight semesters, grades 9-12.
2. The student shall complete a minimum of 24 credits including 1 credit of Bible for each year of attendance at CAL.
3. The student shall achieve a minimum cumulative weighted grade point average of 3.5.
4. The student shall follow the specified honors track in two of the following subjects: English, Math, Science, Social Studies or World Languages and must have gained three credits in each of the two subject areas chosen.

**Specific Requirements:** Same as College Preparatory

## **Honors & AP Courses**

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### **Business and Computer**

AP Computer Science A  
AP Computer Science Principles

### **English**

Honors English I-IV  
AP English Literature & Comp  
AP English Language & Com  
AP Seminar

### **Fine Arts**

Honors Chamber Orchestra  
Honors Chorale  
Honors Jazz Band  
Honors Wind Ensemble  
Advanced Ceramics & Sculpture  
Advanced Drawing & Painting  
AP Art Studio Drawing  
AP 2-D Design  
AP 3-D Design  
AP Music Theory

### **Math**

Honors Algebra I-II  
Honors Calculus  
AP Calculus AB  
Honors Geometry  
Honors Precalculus  
AP Statistics

### **Science**

Honors Anatomy & Physiology  
Honors Biology  
Honors Biology/Principles of Bio-medical Science  
Honors Physics  
AP Biology  
Honors Chemistry  
AP Chemistry  
Biomedical Innovation  
Human Body Systems and Health Education  
Medical Interventions  
Principles of Biomedical Science

### **Social Studies**

Honors U.S. Government/Econ  
Honors U.S. History  
AP U.S. History  
Honors World Civilization  
AP Government and Politics  
AP Human Geography  
AP Microeconomics  
AP Psychology  
AP World History

### **World Languages**

Honors Spanish I, II, III  
AP Spanish Language

## **Diploma Distinctions**

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**School of the Arts**

[caschools.us/school-of-the-arts](http://caschools.us/school-of-the-arts)

**School of Biomedical Science**

[caschools.us/school-of-biomedical-science](http://caschools.us/school-of-biomedical-science)

**School of Engineering**

[caschools.us/english-station/diplomas-of-distinction/school-of-engineering](http://caschools.us/english-station/diplomas-of-distinction/school-of-engineering)

**School of Spiritual Formation**

[caschools.us/school-of-spiritual-formation](http://caschools.us/school-of-spiritual-formation)

# Four-Year Planner

## 9th Grade

Bible \_\_\_\_\_  
English 1 \_\_\_\_\_  
Health and P.E. \_\_\_\_\_  
Math \_\_\_\_\_  
Science \_\_\_\_\_  
Elective \_\_\_\_\_  
Elective \_\_\_\_\_

## 11th Grade

Bible \_\_\_\_\_  
English III \_\_\_\_\_  
U.S. History \_\_\_\_\_  
Math \_\_\_\_\_  
Science \_\_\_\_\_  
Elective \_\_\_\_\_  
Elective \_\_\_\_\_

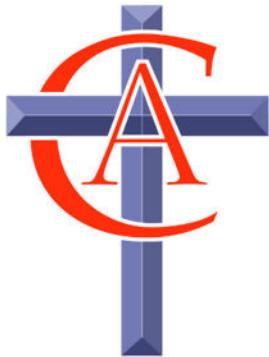
## 10th Grade

Bible \_\_\_\_\_  
English II \_\_\_\_\_  
World Civilization \_\_\_\_\_  
Math \_\_\_\_\_  
Science \_\_\_\_\_  
Elective \_\_\_\_\_  
Elective \_\_\_\_\_

## 12th Grade

Bible \_\_\_\_\_  
English IV \_\_\_\_\_  
Math \_\_\_\_\_  
U.S.Gov & Economics \_\_\_\_\_  
Elective \_\_\_\_\_  
Elective \_\_\_\_\_  
Elective \_\_\_\_\_

## NOTES

# Christian Academy

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## OF LOUISVILLE

### OUR MISSION

**The mission of Christian Academy  
School System is to develop  
students with a heart for God who  
grow as Jesus did in wisdom,  
stature and in favor with God and  
men.**