



# Christian Academy

English Station

2017-2018

## High School Course Description Catalog

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

**To:** Students  
**From:** Counselors

This booklet has been prepared to assist you in developing a program of study to meet your individual needs and educational goals.

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 and includes courses that offer the opportunity to earn college credit while at CAL. 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.

Approach the course selection process seriously. You are urged to carefully examine the course offerings in this booklet and complete your Four-Year Plan 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. Strive to develop a program to explore and challenge your individual abilities and talents.

### 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.

### How to Register

Current students will register for their classes online through RenWeb.

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 these

registration dates, you may go online and make changes to your requests. After these dates, changes can be made only by contacting the high school office.

2. New students to CAL must register using a Course Request Form. These forms will be mailed 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.

### Adding/Dropping

A student may add and drop classes provided 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.

# BIBLE DEPARTMENT

## Foundations of Faith 1

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

Grade 9, 10

### Regular Grading Scale

This class will focus on inviting students to build a solid foundation of faith in the gospel of Jesus Christ. Students will examine the Christ-centered theistic worldview in comparison to other major worldviews and gain an understanding of what it means to apply God's invitation to love Him with all of our heart, soul, and mind. Students will be challenged to apply the definitions of faith and truth in their examination of the Bible's claim to be God's collected book of inerrant revelation.

## Foundations of Faith 2

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

Grade 9

### Regular Grading Scale

This class will focus on inviting students to build a solid foundation of faith in the gospel of Jesus Christ. The course will provide the opportunity to gain an understanding of the whole of Scripture in view of the mission of God and the gospel of Jesus Christ.

## Life of Christ

½ credit

Grade 10 (2<sup>nd</sup> sem), 11 (1<sup>st</sup> sem)

### Regular Grading Scale

This class will focus on inviting students to a maturing faith in the gospel of Jesus Christ. Students will examine and apply the concept of Christ's role as our prophet, priest, and king. Students will gain an understanding of Jesus as the fulfillment of prophecy and will not only understand His place in history, but also His relevance to our lives today. Ultimately, the hope is that Jesus' life and gospel message will transform students' lives as they gain a greater understanding of who Christ is in their individual lives and personalize their response to Him.

## Worldviews/Apologetics

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

Grade 11

### Regular Grading Scale

This class will focus on inviting students to a maturing faith by employing wisdom in forming and defending a Christian worldview based on how the gospel of Jesus Christ responds to life's ultimate questions. Students will be challenged to respond to logical obstacles to faith with a reasonable and respectful defense.

## Apologetics

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

Grade 12

### Regular Grading Scale

This class will focus on inviting students to a maturing faith by encountering logical obstacles to their Christian faith from skeptics, believers, and even themselves. Apologetics seeks to help students grow in their love for Christ by taking the initiative to listen to these logical obstacles and then equip them to respond with a reasonable and respectful defense in the power of the Holy Spirit.

## Contemporary Issues

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

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 the light of the gospel. Students will examine the following areas: marriage and sexuality, abortion, self-harm, pornography, eating disorders, drugs and alcohol, and popular culture. Students will be challenged to live out the gospel by applying a Christian worldview on critical issues in contemporary culture

# BUSINESS & COMPUTER DEPARTMENT

## AP Computer Science Principles

1 credit

Grade: 10-12

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.)

## Computer Science I

1 credit

Grade: 9, 10, 11, 12

This course is a disciplined approach to computer programming using the Java programming language. 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. Students learn how to create simple games like Connect Four, Yahtzee, and Memory. Dual Credit opportunity

## +Intro to Business

1 credit

Grades 11, 12

### Regular Grading Scale

Introduction to Business is a college level introductory course that is required for freshman business students in most colleges. This course establishes basic foundations for the exploration and further study in business courses. The fall semester will be a study of the business environment, ethics, communication in business, business formation, and financing a business. The spring semester will focus on a study of marketing, entrepreneurship, and managing a business. Students will learn about key functions of business, positive and negative aspects, and real-life scenarios. We will have speakers visiting the classroom. Among these will be small business owners, financial planners, and people with nonprofit organizations. A stock market game will be implemented in both the fall and spring semesters. A fee will be charged.

## +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, marketing, missions, athletics or health services.

# ENGLISH DEPARTMENT

## 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.

➤ **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.)

**+Journalism**

**1 credit**

**Grade 10, 11, 12**

**Regular Grading Scale**

**Prerequisites:** Advisor approval based on application, writing sample, teacher recommendation; students should also own or have access to a digital camera

Journalism I is an introduction to the field of journalism. It is for students who enjoy writing and want to work as writers for the CAL Legend. The course offers a venue for writing, reporting, and publishing. Creativity, responsibility, and the ability to work as a contributing member of a staff are required assets. The staff produces the school newspaper online.

**+Journalism II**

**1 credit**

**Grade 11 & 12**

**Regular Grading Scale**

**Prerequisites:** Journalism, writing sample, Advisor approval, teacher recommendation; students should own or have access to a digital camera

Journalism II goes beyond the basics in the field of journalism. Students will study various aspects of journalism through projects, supplemental reading, and writing assignments. Students will also work with layout and design aspects of the school newspaper. The Journalism II student is a leader who has proven outstanding credibility, organization, and responsibility as a staff writer. Journalism II will comprise the editorial staff of the CAL Legend.

➤ **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.

➤ **Advanced Placement 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**

**1 credit**

**Grades 12**

**Regular Grading Scale**

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

This course is designed for 12th grade students who have a solid foundation in grammar and wish to improve their writing skills. Students will be challenged with sharpening their skills through a variety of writing experiences—studies in character, mood, plot, dialogue, theme and audience. Writers may participate in several writing contests and will develop their own portfolio.

## **+Yearbook**

**1 credit**

**Grades 11, 12**

### **Regular Grading Scale**

**Prerequisites:** *Approval of advisor based on application, teacher recommendations, 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.

# FINE ARTS DEPARTMENT

## **Fundamentals of Art**

**1 Credit**

### **Regular Grading Scale**

Fundamentals of Art explores the basics of drawing, painting, 3-D (ceramics and sculpture) and the digital arts while satisfying the state required art credit. Each quarter will focus on one of these mediums while incorporating art history and practical hands-on application of art theories and procedures. A supply fee is charged for this course.

## **Visual Arts Foundations (Visual Arts Track)**

**1 Credit**

### **Regular Grading Scale**

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.

## **Advanced Drawing & Painting**

**1 Credit**

### **Honors Grading Scale**

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

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 will be charged for consumables.

## **Advanced Ceramics & Sculpture**

**1 Credit**

### **Honors Grading Scale**

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

This class is taught in a studio setting and designed for students interested in further 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 handbuilding and wheel-throwing. Other materials use 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 supply 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 master multi-step processes and learn to unify the various materials for purposeful concept and design. Experiences may include, but are not limited to: watercolor, acrylic, and oil painting, printmaking, sewing and weaving, assemblage, and encaustic. The work students produce will serve to increase variety in portfolios submitted to competitions, the AP exam, and/or colleges.

## **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 Advanced 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 class.*

## **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 class.*

## **Digital Photography**

**1 Credit**

### **Regular Grading Scale**

**Prerequisite:** *Fundamentals of Art or Visual Arts Foundations. **Equipment Required:** Students are responsible for providing their own DSLR camera, SD card & 16g USB*

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 CS6. 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. A fee is charged for this course.

## **Graphic & Web 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 Suite 6 (CS6) 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

## **Film**

### **1 Credit**

#### **Regular Grading Scale**

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

This introductory course provides a comprehensive overview of the filmmaking process from start to finish. Students will learn about cinema history as well as the processes and techniques of filmmaking from concept, pre-production, filming, post-production and presentation. In this class students will have hands-on experience writing, filming and editing their own short films. The content and methods for this course have been adapted from curriculum developed by City on a Hill Productions (a local Christian film company). A fee is 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:** *Mixed Media Studio or Graphic/Web 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 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 class.*

## **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.

## **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. A music fee of \$50 will be assessed during the 1st semester. Auditions for Chorale will be held after registration for the 2017-2018 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 men, of all singing experience levels. This ensemble meets every day emphasizing 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 men, 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. A music fee of \$50 will be assessed during the 1<sup>st</sup> semester.

## **Women's Choir**

### **1 credit**

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

#### **Regular Grading Scale**

Women's Choir is non-prerequisite class for 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 women 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. A music fee will be assessed during the 1<sup>st</sup> semester.

## **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 and guys tux pants, shirt, and vest. Uniform dance shoes for both guys and girls are required. Participation in this ensemble requires students to purchase dance shoes and ladies uniform dance tights or guys uniform ties. All uniforms and accessories will be rented and purchased through the choral department. A \$50 music fee will be assessed during the 1st semester. Auditions for Show Choir will be held after registration for the 2017-2018 school year has closed.

## **Chamber Ensemble**

### **1 credit**

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

#### **Regular grading scale**

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

Chamber Ensemble is designed to provide students with a performance opportunity in a small ensemble repertoire. Various ensembles will be formed using the available personnel of woodwind, brass, and string students. Through this course of study, students will develop skills specific to

student-led chamber playing: ensemble sound/blend, intonation, stylistic elements, listening skills, precision, internal pulse, and non-verbal communication. Individual practice time will also be included as part of this course

### **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, 10, 11, 12**

**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. A music fee of \$50 will be assessed during the 1<sup>st</sup> semester.

### **Concert Orchestra**

**1 credit**

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

**Regular Grading Scale**

Orchestra is a performing string ensemble that studies music from different periods of history. The instruments used in string orchestra are the violin, viola, cello and string bass. Class time will include technical development on the instrument and rehearsal of the performance literature. Due to the performance nature of the course, concert attendance is required. Grading will be based upon the student's progress on the instrument, class participation, ability to work with others, and the quality of performance in concerts. Participation outside class time is required and will be part of the grade. A music fee of \$50 will be assessed during the 1<sup>st</sup> semester.

### **Honors Chamber Orchestra**

**1 credit**

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

**Honors Grading Scale**

**Prerequisite:** *Audition only/ Director Approval*

This is a focused, intense music-performing ensemble developing excellence in performance. The Chamber Strings 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. A music fee of \$50 will be assessed during the 1<sup>st</sup> semester.

### **Conducting**

**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**

**Prerequisite:** *Must be enrolled in the School of the Arts and in a primary music ensemble, Director Approval.*

Group Piano is an opportunity for students within the School of the Arts to learn basic piano, music theory and performance skills. This course is meant to allow students the opportunity to prepare for group piano requirements as a college music major.

### **Jazz Band**

**1/2 credit**

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

**Regular 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 day will be required and graded.

*This course does not meet during the regular school day, but before school two mornings a week and cannot be selected during online registration. Students will be scheduled manually after auditions.*

### **Honors Jazz Band**

**1/2 credit**

**Grades 11, 12**

**Honors Grading Scale**

**Prerequisites:** *Audition and Director Approval*

The Honors Jazz Band will be the elite instrumental music group that meets before school on Monday, Wednesday and Friday. 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 day will be required and graded. A paper covering course topics such as jazz theory, improvisation, history and transformation of jazz will be required. *This course does not meet during the regular school day, but before school three mornings a week and cannot be selected during online registration. Students will be scheduled manually after auditions.*

### **Music Theory and History**

**1 credit**

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

**Regular Grading Scale**

Students will engage in thorough training in the melodic, harmonic, and rhythmic elements of music, while coming to understand the ins and outs of how music works. A survey of music from early to modern times will be introduced. This course aims to widen the musical horizons and receptiveness of the standard listener, making him/her a more understanding listener to radio, television, and professional concerts.

### **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 and making music on a collegiate level. In this class we will review the basics of reading music and 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. A testing fee is charged for this course.

### **Honors Wind Ensemble**

**1 credit**

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

**Honors Grading Scale**

**Prerequisites:** *Audition only*

This is a focused, intense music-performing ensemble developing excellence in 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. A music fee of \$50 will be assessed during the 1<sup>st</sup> semester.

### **Theatre Arts**

**1 credit**

**Grades 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.

# HEALTH, PHYSICAL EDUCATION & HOME ECONOMICS DEPARTMENT

### **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.)

### **+Advanced Physical Education (Boys)**

**1 credit**

### **+Advanced Wellness (Girls)**

**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 (strength,

cardiovascular, aerobic) activities and indoor/outdoor adventure activities, sports and games. 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. There is a fee for this class.

### **+Home Economics**

**1 credit**

**Grades 9, 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.)

### **+Clothing & Textiles**

**1 credit**

**Grades 10, 11, 12**

#### **Regular Grading Scale**

**Prerequisites:** *Home Economics or teacher approval*

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 or 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.)

# MATHEMATICS DEPARTMENT

**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.

### **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 see page 13.

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

**1 credit**

**Grade 12**

**Regular Grading Scale**

**Prerequisite:** *Precalculus or Honors Precalculus and teacher recommendation*

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.

**College Prep Business Math**

**1 credit**

**Grade 12**

**Regular Grading Scale**

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

This course covers the practical applications of mathematics in business including taxes, inflation, compound interest and depreciation.

**↗ Honors Calculus**

**1 credit**

**Grade 12**

**Honors Grading Scale**

**Prerequisites:** *A or B in 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. Dual Credit Opportunity, see page 13. A fee will be charged.

**↗ 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 2 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.)

## SCIENCE DEPARTMENT

**↗ 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, earth science and evolution/creation. Students will have an overview of some of the body systems. 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, earth science, 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 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.

### ↻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 testing 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 and Math and recommendation of a Math and Science teacher*

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.

### ↻AP Chemistry

**1 credit**

**Grades 11, 12**

**AP Grading Scale**

**Prerequisites:** *"A" or "B+" average in Honors Chemistry, Honors Biology, and 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 testing fee is 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 science will enable him/her to better appreciate nature by learning nature's basic rules of physics. 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. (This course takes the place of College Prep Physics offered in prior years).

### ↻Honors Physics

**1 credit**

**Grades 11, 12**

**Honors Grading Scale**

**Prerequisites:** *Precalculus 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, and thermal physics. These topics will be covered in depth and do require higher-learning skills. Students will also use their algebra and geometry backgrounds 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.

### ^AP Physics 1

**1 credit**

**Grade 12**

**AP Grading Scale**

**Prerequisites:** *Calculus must be taken concurrently, Honors Physics and teacher recommendation*

Students will focus on five general areas of physics: Newtonian Mechanics, Fluid Mechanics and Thermal Physics, Electricity and Magnetism, Waves and Optics, and Atomic and Nuclear Physics. These topics will be covered in depth and do require higher-learning skills. Laboratory experience will also be a part of the course. This will be extremely beneficial to students in their understanding of the topics covered. Students will need to become proficient in problem-solving and the application of fundamental principles to a wide variety of situations. Near the completion of this course, students will take the Physics AP exam to qualify for college credit. This course may be offered on-line, during school hours. (A testing fee is charged for this course.)



### +Principles of the Biomedical Sciences Project Lead the Way (PLTW)

**1 credit**

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

**Regular Grading Scale**

**Prerequisites:** *none*

This course provides an introduction to the biomedical sciences through hands-on projects and problems. Students investigate concepts of biology, forensic science and medicine as they explore health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They will determine the factors that led to the death of a fictional woman as they sequentially piece together evidence found in her medical history and her autopsy report. Students will investigate lifestyle choices and medical treatments that might have prolonged the woman's life and demonstrate how the development of disease is related to changes in human body systems. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes and

allow students to design experiments to solve problems. (A fee will be charged for this course.)

**+Human Body Systems**  
**Project Lead the Way (PLTW)**  
**1 credit**  
**Grades 10, 11, 12**  
**Regular Grading Scale**  
**Prerequisite:** none

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 Maniken®; 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.)

**+Medical Interventions**  
**Project Lead the Way (PLTW)**  
**1 credit**  
**Grades 10, 11, 12**  
**Honors Grading Scale**  
**Prerequisites:** none

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)

**+Biomedical Innovation**  
**Project Lead the Way (PLTW)**  
**1 credit**  
**Grade 12**  
**Honors Grading Scale**  
**Prerequisites:** *Successful completion of two of the following PLTW courses: Principles of Biomedical Science, Human Body Systems or Medical Interventions*

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 biomedical engineering to clinical medicine and physiology. Students will have the opportunity to participate in an internship in their field of interest. Also, the opportunity to work on an independent project with a mentor or advisor from a university, medical facility, or research institution may be available.

Medical Interventions and Biomedical Innovation may be taken concurrently with special permission.

## SOCIAL STUDIES DEPARTMENT

**College Prep World Civilization**  
**1 credit**  
**Grade 10**  
**Regular Grading Scale**

The World Civilization student will begin with a review of ancient civilizations in Asia and Europe and continue through the Middle Ages. The primary study will focus on the time period from the Renaissance to present world situations. Special emphasis will be given to God's hand at work in the course of history.

**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 Civilization student will begin with a review of ancient civilizations in Asia and Europe and continue through the Middle Ages. The primary study will focus on the time period from the Renaissance to 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 God's hand at work in the course of history.

**AP World History**  
**1 credit**  
**Grade 10, 11, 12**  
**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 five course themes and nineteen key concepts in six different chronological periods, from approximately 8000 B.C. to the present with emphasis placed on God's hand at work in the course of history. 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 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 U.S. History**  
**1 credit**  
**Grade 11**  
**Regular Grading Scale**

**Prerequisites:** *World Civilization*

U.S. History will examine the history of America from its founding to the present with emphasis on the 20<sup>th</sup> century. The students will gain an awareness of the hand of God leading in the discovery of America and how He has influenced the founding of this nation and the laws that have guided it.

**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*

Honors U.S. History will examine the history of America from its founding to the present with emphasis on the 20<sup>th</sup> century. Because of the depth of material to be studied, the course will proceed at an accelerated pace. The students will gain an awareness of the hand of God leading in the discovery of America and how He has influenced the founding of this nation and the laws that have guided it.

**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.

### **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 and 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 B+ or higher 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.)

### **+Introduction to Psychology**

**1 credit**

#### **Grades 11, 12**

#### **Regular Grading Scale**

Students will study the 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 Christian perspectives on these topics.

### **+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 is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. In addition, students will learn about the ethics and methods psychologists use in the 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.)

### **+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.)

# WORLD LANGUAGES DEPARTMENT

## 📖 French II

**1 credit**

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

**Regular Grading Scale**

**Prerequisites:** *French I*

French II expounds on grammar skills, extensive vocabulary, introduced in French I, developing fluency in speaking and listening. In addition, French II incorporates increased reading and personal expression through creative writing.

## ^📖 Latin I

**1 credit**

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

**Regular Grading Scale**

Latin I is an on-line, distance learning course that is facilitated by KET (Kentucky Education Television) as well as a certified Latin teacher in the state of Kentucky. In this course, students learn the basic grammar and vocabulary of Latin in a way that improves their ability to understand English and prepares them to study other languages. Mythology and an overview of Roman contributions to Western civilization are stressed. This course is offered on-line, during school hours. Juniors and Seniors have Dual Credit Opportunity, see page 13. A fee will be charged.

## ^📖 Latin II

**1 credit**

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

**Regular Grading Scale**

**Prerequisites:** *Latin I*

Latin II is an on-line, distance learning course that is facilitated by KET (Kentucky Education Television) as well as a certified Latin teacher in the state of Kentucky. The course is designed to increase reading proficiency. Vocabulary and grammatical structures, cultural and historic materials, and excerpts from original Roman authors enhance understanding of the language and culture of the ancient Romans. Students apply what they learn to better understand our world as they see the many influences of Latin in our lives. This course is offered on-line, during school hours. Juniors and Seniors have Dual Credit Opportunity, see page 13. A fee will be charged.

## ^📖 Honors Latin III

**1 credit**

**Grades 10, 11, 12**

**Honors Grading Scale**

**Prerequisites:** *"A" or "B" in Latin II and teacher recommendation*

Latin III is an on-line, distance learning course that is facilitated by KET (Kentucky Education Television) as well as a certified Latin teacher in the state of Kentucky. The course is designed to increase vocabulary and assist students in applying the grammatical concepts learned in Latin I and II. Direct interaction with the teacher and tutors is an essential component of this course as students begin to translate authentic Roman authors. This course is offered on-line, during school hours.

## ^📖 Honors Latin IV

**1 credit**

**Grades 11, 12**

**Honors Grading Scale**

**Prerequisites:** *"A" or "B" in Latin III and teacher recommendation*

Latin IV (Latin Literature) is an on-line, distance learning course that is facilitated by KET (Kentucky Education Television) as well as a certified Latin teacher in the state of Kentucky. The course is structured around the writings of Catullus and Horace. Students concentrate on the thematic and literary devices used in Latin prose and poetry as they develop critical thinking skills necessary for reading and analyzing Latin literature. This course is offered on-line, during school hours.

## ^📖 AP Latin

**1 credit**

**Grades 11, 12**

**AP Grading Scale**

**Pre-requisites:** *Successful completion of Latin III Honors with a grade of an A and a teacher recommendation.*

AP Latin is a writing intensive course. Students read authentic Latin selections from Vergil's *Aeneid*, produce a literal translation of over 850 lines of poetry, and extensively analyze the text in numerous critical essays. The prose readings include 52 chapters of Caesar's *Gallic War*. Syntax, meter, figures of speech, history, and mythology will be referenced as students improve their understanding of the Latin language. Readings from additional prose and poetry authors such as Cicero, Livy, Sallust, Pliny, Horace, Catullus, Ovid, and Martial will be included. With nearly all assessments in the style of AP® exam questions, students will become thoroughly familiar with the exam format and well-prepared for the AP® Latin exam in the spring. Students interact with the teacher or tutors via e-mail, telephone, or Skype. This course

may be offered on-line, during school hours. A fee is required for this course.

## 📖 Spanish I

**1 credit**

**Grades 9, 10, 11**

**Regular Grading Scale**

Spanish I introduces basics of the language, vocabulary acquisition, grammar/structure, and pronunciation, in order to build linguistic ability. Students will develop listening, speaking, reading, and writing skills.

## 📖 Honors Spanish I

**1 credit**

**Grades 9, 10, 11**

**Honors Grading Scale**

**Prerequisites:** *"A" or "B" in Middle School Spanish and teacher recommendation*

Honors Spanish I is a program for highly-motivated students with previous exposure to basic Spanish vocabulary and grammar. Students will develop proficiency in reading, listening, writing and speaking skills in a fast-paced learning environment while preparing them for Honors/AP Spanish.

## 📖 Spanish II

**1 credit**

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

**Regular Grading Scale**

**Prerequisites:** *Spanish I*

This course builds on the foundation of Spanish I. Students learn extensive vocabulary and more complex grammar structures. Reading, writing, speaking, and listening skills are central to the course.

## 📖 Honors Spanish II

**1 credit**

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

**Honors Grading Scale**

**Prerequisites:** *"A" or "B" in Spanish I or in Honors Spanish I, acceptable standardized test score and teacher recommendation*

This is an accelerated program for highly motivated students. Students will be challenged in a fast-paced learning environment with advanced projects to enhance verbal communication, reading, writing and listening skills while preparing them for higher level Spanish.

**➤ Honors Spanish III**

**1 credit**

**Grades 10, 11, 12**

**Honors Grading Scale**

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

This course builds off of the grammar and vocabulary concepts learned in Spanish II, while focusing on increased fluency in written and oral communication, as well as interpretation of the language through listening and reading. Students will develop confidence in communicative ability through situational experiences while being prepared for the rigor of Spanish AP/IV.

**➤ Honors Spanish IV**

**1 credit**

**Grades 11, 12**

**Honors Grading Scale**

**Prerequisites:** "A" or "B" in Spanish III and teacher recommendation

Continues where Spanish III concludes, including more Hispanic literature from the Middle Ages to present day. This course also includes more complex grammar and vocabulary with emphasis on speaking and writing skills.

**➤ AP Spanish**

**Language IV**

**1 credit**

**Grades 11, 12**

**AP Grading Scale**

**Prerequisites:** "A" or "B" in Spanish III and teacher recommendation

This class parallels a third-year college course in advanced Spanish writing and conversation. It encompasses oral skills, reading comprehension, grammar, and composition. This course emphasizes the use of Spanish for active communication, and focuses on the following objectives: 1) the ability to comprehend formal and informal spoken Spanish; 2) the acquisition of vocabulary and a grasp of structure to allow the easy, accurate reading of newspaper and magazine articles, as well as of modern literature in Spanish; 3) the ability to compose expository passages; and 4) the ability to express ideas orally with accuracy and fluency. 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.)

# LEGEND

**+ 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

Juniors and seniors can take classes at CAL and earn college credit while they are earning high school credit. The courses are taught by teachers credentialed both as high school teachers and as faculty of Boyce College, Campbellsville University, the University of Louisville and Kentucky Authority for Educational Television (KET) through Morehead State University. Each institution has various requirements for enrollment. There is additional cost for dual credit classes, paid to the college. There is an additional cost for this program.

## SCHOOL OF FINE ARTS

In addition to the Standard, College Prep and Honors Diploma offerings, graduates of the School of Fine Arts will receive a diploma with a special Fine Arts designation reflecting their successful completion of the program requirements. To receive the Fine Arts Designation, students must complete all required coursework and maintain a 3.5 grade point average in music classes and a 3.5 GPA in art classes. Please check the **School of Fine Arts** <http://www.caschools.us/sfa/> for the descriptions of eligible classes and additional information.

## Diploma Programs Available

**Fine Arts** see School of Fine Arts:  
[www.caschools.us/sfa/](http://www.caschools.us/sfa/)

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.
3. The student shall complete 15 hours of community service per year, grades 9-12. Half of the hours **may** be completed in a church setting, and half **must** be served in a community setting. Students are encouraged to complete 15 hours each year they are at CAL rather than large projects that cover multiple years.

### 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 (3 credits if you pass computer proficiency test)

The **College Prep 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.
4. The student shall complete 15 hours of community service per year, grades 9-12. Half of the

hours **may** be completed in a church setting, and half **must** be served in a community setting. Students are encouraged to complete 15 hours each year they are at CAL rather than large projects that cover multiple years.

### 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 (3 credits if you pass computer proficiency test)

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.
5. The student shall complete 15 hours of community service per year, grades 9-12. Half of the hours **may** be completed in a church setting, and half **must** be served in a community setting. Students are encouraged to complete 15 hours each year they are at CAL rather than large projects that cover multiple years.

### Specific Requirements:

Same as College Prep

## Honors & AP Courses

### Business and Computer

AP Computer Science Principles

### English

Honors English I-IV  
AP English Literature & Composition  
AP English Language & Composition

### 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  
Honors Geometry  
Honors Precalculus

### Science

Honors Anatomy & Physiology  
Honors Biology  
AP Biology  
Honors Chemistry  
AP Chemistry  
Biomedical Innovations  
Medical Innovations  
Honors Physics  
AP Physics

### Social Studies

Honors U.S. Government/Economics  
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 French III  
AP French IV  
Honors Latin III, IV  
AP Latin  
Honors Spanish II, III, IV, V  
AP Spanish Language IV

# Four Year Planner

## 9th Grade

Bible I (S1) \_\_\_\_\_

Bible I (S2) \_\_\_\_\_

English 1 \_\_\_\_\_

Health and P.E. \_\_\_\_\_

Math \_\_\_\_\_

Science \_\_\_\_\_

Elective \_\_\_\_\_

Elective \_\_\_\_\_

Elective \_\_\_\_\_

## 11th Grade

Bible III (S1) \_\_\_\_\_

Bible III (S2) \_\_\_\_\_

English III \_\_\_\_\_

U.S. History \_\_\_\_\_

Math \_\_\_\_\_

Science \_\_\_\_\_

Elective \_\_\_\_\_

Elective \_\_\_\_\_

Elective \_\_\_\_\_

## 10th Grade

Bible II (S1) \_\_\_\_\_

Bible II (S2) \_\_\_\_\_

English II \_\_\_\_\_

World Civilization \_\_\_\_\_

Math \_\_\_\_\_

Science \_\_\_\_\_

Elective \_\_\_\_\_

Elective \_\_\_\_\_

Elective \_\_\_\_\_

## 12th Grade

Bible IV (S1) \_\_\_\_\_

Bible IV(S2) \_\_\_\_\_

English IV \_\_\_\_\_

Math \_\_\_\_\_

U.S.Gov & Economics \_\_\_\_\_

Elective \_\_\_\_\_

Elective \_\_\_\_\_

Elective \_\_\_\_\_

Elective \_\_\_\_\_

## NOTES

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