

# CALVARY CHRISTIAN ACADEMY

13500 Philmont Avenue Philadelphia, PA 19116 | 215-969-2404 | [cca.ccphilly.org](http://cca.ccphilly.org)



DISCIPLESHIP TRUTH EXCELLENCE

EPHESIANS 4:12-13

"For the equipping of the saints, for the work of ministry, for the edifying of the body of Christ, till we all come to the unity of the faith and of the knowledge of the Son of God."

Ephesians 4:12 -13

## 2021/2022

## JR./SR. HIGH SCHOOL COURSE SELECTION GUIDE



# Calvary Christian Academy

*Educating Disciples of Christ Ephesians 4:12-13*



Dear Parents:

The purpose of this booklet is to provide you with information that will aid you in taking an active role in your child's academic program. This booklet contains the list of courses we intend to offer during the 2021-2022 school year. Please spend time discussing course options with your son or daughter before filling out the enclosed course selection form. Your discussion should take into account the following:

- Prayerful consideration of your child's gifts, abilities, interests, and God's calling on his/her life.
- Post high school academic goals.
- Proper understanding of graduation requirements of CCA.
- Evaluating the progress made toward graduating. Understanding what is required in order to gain admission into the college or university the Lord may be leading your son or daughter to attend.

We trust that this booklet is helpful in providing you with the information necessary to aid you in properly making decisions regarding your child's high school education at Calvary Christian Academy. Feel free to call the High School office if you have any questions.

In Christ,

Albert T. Schiavo  
Principal

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13500 Philmont Avenue | Philadelphia, PA 19116  
Elementary 215-969-1579 | Jr./Sr. High 215-969-2404  
Fax 215-969-9732 | [cca.ccphilly.org](http://cca.ccphilly.org)



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# Calvary Christian Academy

## History

Calvary Christian Academy was founded in September of 1995 as an educational ministry of Calvary Chapel Philadelphia. The primary goal was to work with Christian families to educate and disciple godly young men and women. The school initially began as a PK through 8<sup>th</sup> grade school and soon after added 9<sup>th</sup> through 12<sup>th</sup> grades in 1997. In 1998, CCA graduated its first class and since that time has seen students enroll in over 100 different colleges and universities including University of Pennsylvania, Pennsylvania State University, Calvary Chapel Bible College, Liberty University, West Point Military Academy, Johns Hopkins University, Cedarville University, Temple University, University of Pittsburgh, and Grove City College. CCA received full accreditation from the Middle States Association of Colleges and Schools and the Association of Christian Teachers and Schools in 2012. Our academic programs are designed to meet the learning needs of the honors student, college prep student and the student working at a more basic level. Special education services are provided in accordance to our special education program and handbook. School electives and after school programs provide opportunities for CCA's students to hone the gifts the Lord has given them in areas of the fine arts, athletics, computer science, and the culinary arts. In 2015, Calvary Christian Academy celebrated 20 years of serving Christ's kids.

## Mission Statement

Our mission is to share in the ministry of Calvary Chapel by offering Christian education from a Biblical worldview, while partnering with parents who have the God-given responsibility to educate their children. We desire to raise up disciples for Christ by promoting academic, social, and spiritual excellence. Equipping students to become a transforming influence on the world for Christ is at the core of a CCA education.

Ephesians 4: 12-13

## Diversity and Marriage Statement

Calvary Christian Academy believes that an individual's first responsibility is to the God of the Bible and that a person's whole life should reflect His framework in a context of peace and selfless love. CCA asserts that a genuine love for and interaction with diverse peoples is a biblical mandate. Moreover, Calvary Christian Academy recognizes that we are all one in the body of Christ. Our standard for diversity is found in the Bible. Individual differences in lifestyle that deny, ignore or reject biblical standards represent diversity in rebellion to God's standards and hence, are unacceptable for the families of CCA. CCA holds to the beliefs as stated in the King James Version of the Bible and asserts that marriage is the union between one man and one woman, and that from the beginning of the creation God made humans in two distinct sexes, male and female.

## Statement of Non-discrimination

It is the commitment of CCA to provide Christian education by and for God's elect, holy and beloved, according to the faith of God's elect, and the acknowledging of the truth that is after godliness, and in that context and for that purpose does not discriminate on the basis of race, color, sex and ethnic background. This policy of non-discrimination is exercised during student admission, hiring of faculty and staff, and all school-administered programs.

### **CCA's Philosophy of Education**

CCA's Philosophy of Education is based upon a biblical worldview that has been developed out of a literal interpretation of the Bible, as presented in the King James Version. It is impossible to disconnect our learning and development from the power and purposes of our Creator God. At the very core of CCA's worldview and philosophy of education is God's Word. It is the foundation of CCA's philosophical framework. From the origin of man to ethics and morality, we believe all logic and reasoning is based upon the tenets of Scripture. It is upon this premise that Calvary Chapel of Philadelphia built and developed Calvary Christian Academy. The governing bodies of both the school and the church are in full agreement with CCA's Philosophy of Education.

CCA's Philosophy of Education is based upon our biblical worldview and not upon the philosophy of man. All truth is God's truth. God's Word is truth according to the Scripture (John 17:17, KJV) and according to the conviction of the Holy Spirit. As such CCA's Philosophy of Education is defined by the master teacher himself, Jesus Christ. Teaching should be personal and individual. All methods, instructional practices, activities, and assessments should be geared toward allowing learners to better understand the knowledge of God and be better prepared to serve the Lord through successfully navigating and interacting with the world around them. We are set apart for God by understanding His truth; therefore, God must be at the core of all the principles, facts and truths we teach.

CCA develops the curriculum and programs of the school based upon a biblical worldview, which assures the knowledge gained will be based upon God's truth and not just the correlations made by respected men and women of science, history, mathematics, and language. While these respected individuals have made vast contributions to our understanding of the world around us, our understanding is not complete until we filter it through God's Word. Our knowledge of God and His Word should cause us to fear no vain philosophy or body of knowledge. We have real truth in our hearts and in Scripture and with such knowledge and truth we should be able to disprove the fake and vain philosophies of the world. The better we know the creation, the better we know the creator. With a strong biblical worldview the disciplines of math, science, history and language are but a mere platform for believers to express the goodness of God, the truth of His Word and to praise Him for His many blessings. Psalm 19:1 states, "The heavens declare the glory of God; the skies proclaim the work of his hands" (NIV).



## Course Selection Information

This page is intended to guide you through the process of course selection for the upcoming school year.

**Teachers have recommended your child's core courses. Their recommendations are based upon your child's year to date grades, work habits and effort in his/her current class. Recommendations are made at the end of the third quarter. Students must be maintaining the prerequisite grade at this time in order to be recommended for a Honors/Advanced Placement course. Placement is also contingent upon maintaining pre-requisite grades through the 4<sup>th</sup> marking period and final exams. Course Selection placement is recommended at the end of the 3<sup>rd</sup> marking period and then re-evaluated at the end of the school year.**

Please refer to the Course Selection Guide for prerequisite grades for Accelerated, Honors and Advanced Placement Classes. Students must meet or exceed the prerequisite grade for acceptance and recommendation into an upper level course.

Students that are recommended into an Accelerated, Honors or Advanced Placement course are not required to take that course. **On the back of the Course Selection Form you have the option to request a course change.**

All requests will be processed through your child's current teacher and the course Department Head. After you review the recommended courses and your child chooses his/her top elective options, **please sign and return the Course Selection form to the High School Office by May 3, 2020.**

**Final decisions on Requests to Change a Course will be mailed out on May 12, 2020.**

### **Return of Form:**

The students need to return the course selection form no later than **May 3, 2020**. The form will not be accepted unless it is complete. It must be signed by at least one parent to ensure that you have seen and taken part in the selection of courses.

**Sample course selection materials can be found at the back of this Course Selection Guide.**

### **Glossary of Terms:**

**Prerequisites:** A prerequisite is that which is needed in order for a student to sign up for a specific class.

**Honors and AP Courses:** Honors and AP Courses have specific prerequisites. If a student does not meet the prerequisite requirements by the end of the 3<sup>rd</sup> quarter, they will not be able to take the course.

**Electives:** All electives are full year electives. On the course selection form, space for electives in order of preference is provided. This gives us additional options in case a course will not be offered, is already full, or is impossible to schedule. Most Electives Should Not Be Repeated. Courses that are offered 3 times or more per week are valued at 1 credit. Courses that are offered on a 1-2 times per week are valued at .5 credit.

**ALL COURSES OFFERED ARE SUBJECT TO CHANGE DEPENDING ON STAFFING AND SPACE.**

## Calvary Christian Academy

### Junior/Senior High School Educational Tracking Program

Calvary Christian Academy's Junior/Senior High School's academic program is formatted around a four-track ability system.

The four tracks are:

- Track 1** Essentials – These courses are designed to move at the student's pace. Special services and accommodations are offered to support students with special learning needs.  
**Prerequisite:** Administrative placement and/or teacher recommendation.
- Track 2** College Prep – College Preparatory courses are designed to teach to the average student and prepare him/her for admission to most colleges and universities.  
**Prerequisites:** Successful completion of College Prep or Honors courses and a history of a positive work ethic, motivation, and conduct.
- Track 3** Honors – Honors level courses move at an accelerated pace with a definite goal to cover the same material as the College Prep course but at a greater depth and pace. These courses are only for the students who have personal academic goals, motivation, self-discipline, a proven work ethic, and an excellent conduct record.  
**Prerequisites:** Placement and approval by current course teacher. Prerequisite grades vary per course.
- Track 4** Advanced Placement (AP) – Advanced Placement courses are designed for the student who is able and willing to meet the rigorous demands of a college level course. AP courses move at an accelerated pace with a definite goal to complete the course work necessary to pass the AP Exam. These courses are only for the students who have personal academic goals, motivation, self-discipline, a proven work ethic, and an excellent conduct record.  
**Prerequisites:** Placement and approval by current course teacher. Prerequisite grades vary per course. **Students are required to take the AP Exam in the spring at a cost of approximately \$90. The \$90 exam fee must be paid before the first day of school.** If the fee is not paid the student will be placed in the appropriate honors level course.

## CCA's Dual Enrollment Policy

Students may choose to round out their educational experience by taking courses at a certified vocational/technical school, community college, university, or online school. With CCA administrative pre-approval, students may take these courses and earn not only college credit, but earn credit toward high school graduation as well.

### General Guidelines:

- Students must be enrolled in at least 3 CCA classes.
- Students may only transfer in up to two classes per semester.
- Parents of students who take college classes or online classes are still required to pay full tuition at CCA.
- CCA will only accept college courses that are equivalent to 3 or 4 credit hours.
- CCA will only accept online, high school courses that are equivalent to a full-year course. Many only online, high school courses will provide a full-year course in two, separate, one-semester classes.
- Students interested in taking Dual-Enrollment classes must submit CCA's Dual Enrollment (with the syllabus of intended course) to the High School Office for Administrative approval. **Please do not pay for or enroll in a course that has NOT been approved by the Administration.**
- To receive a CCA HS Diploma, students must earn the required 26 credits between CCA and the dual enrolled institution.

### Grading Guidelines:

- CCA will only accept college courses that are awarded a grade. Pass/Fail courses will NOT be accepted by CCA for High School credit.
- All college/university courses will receive the weighted GPA points of a CCA honors-level course. Students cannot and will not receive the weighted GPA of an Advanced Placement course unless they are enrolled in a CollegeBoard approved Advanced Placement class. All CCA Advanced Placement classes are approved by the governing body of CollegeBoard.
- Grades awarded to students who complete college courses for high school credit will be equal to the equivalent letter grade on the CCA Honors GPA Scale. We will not modify the grade based upon a college professor's recommendation. We can only refer to the grade as it appears on the college transcript and provide the student with the equivalent letter or number grade on the CCA Grade Scale.

### Course Specific Guidelines:

- Students may not take a class to replace American Literature or Political Science. Both of these classes must be taken at CCA.
- Courses taken in place of a CCA course must cover the same curriculum as the CCA course as expressed in the Course Selection Guide **(CCA Administrative approval required)**.
- Students who take a college course must receive an "A" in that class in order to earn a spot in the next sequential, honors-level, course (with the exception of Math classes). Students who take a college math course must not only receive an "A" in the course, but they must also take and earn a 93% on a course placement test to earn a spot in the next sequential, honors-level, course.

## Grading System

Courses are weighted based on degree of difficulty, which reflects itself in class rank and honor roll according to the following criteria:

		Track 1	Track 2	Track 3	Track 4
Percent	Letter Grade	Essentials	College Prep	Honors	AP
97-100	A+	3.50	4.00	4.50	5.00
93-96	A	3.46	3.95	4.45	4.94
90-92	A-	3.21	3.67	4.13	4.59
87-89	B+	2.92	3.33	3.75	4.16
83-86	B	2.63	3.00	3.38	3.75
80-82	B-	2.34	2.67	3.01	3.34
77-79	C+	2.04	2.33	2.62	2.91
73-76	C	1.75	2.00	2.25	2.50
70-72	C-	1.46	1.67	1.88	2.09
68-69	D+	1.17	1.33	1.50	1.66
65-67	D	0.88	1.00	1.13	1.25
0-64	F	0.00	0.00	0.00	0.00

# **CALVARY CHRISTIAN ACADEMY** **GRADUATION REQUIREMENTS** **2021-2022**

Required Courses:	Credits:	Credits	
	Credits Needed:	Completed:	
Bible	4	_____	_____
English	4	_____	_____
Social Studies	4	_____	_____
Mathematics	4	_____	_____
Science	4	_____	_____
Foreign Language	2	_____	_____
Health/Physical Education	1	_____	_____
General Electives	5	_____	_____
<b>Total Credits Required to Graduate:</b>	<b>28</b>		

\* **Mentor** and **Student Government** credits do not count toward required graduation credits.

\* **AP, VoTech,** and **transfer students** may earn more or less than 28 credits. CCA Administrative approval required.

## HIGH SCHOOL REQUIREMENTS FOR ADMISSION INTO PENN STATE UNIVERSITY

The following requirements are taken from the Penn State University website. This information should help you gain an understanding of the basic high school requirements for college admission at the largest State University in Pennsylvania.

- English – four credits; these must include a composite of one credit each in composition and literature.
- Social Studies / Art / Humanities – three credits in any combination of social studies, arts, and humanities are required.
- World Language – two credits in a single world language other than English are required.
- Science – three credits of science are required.

Preparation in chemistry and physics is recommended but not required for:

- The College of Engineering
  - The College of Earth and Mineral Science
  - The Eberly College of Science
  - Science at Penn State Altoona, Abington, Berks, Erie, Harrisburg, and Lehigh Valley
  - Engineering/Engineering Technology at Penn State Erie and Penn State Harrisburg
- Math – three credits of mathematics are required (four are recommended), selected from any combination of algebra, geometry, and trigonometry.

Some programs have additional mathematics requirements:

- The Smeal College of Business
- The College of Earth and Mineral Science
- The College of Engineering
- Information Sciences and Technology
- The Eberly College of Science
- And all other Business, Engineering/Engineering Technology, and Science programs

The Colleges listed above **require** one-half credit of trigonometry or higher level math within the required three credits.

Penn State requires proof of graduation or a GED for admission to four-year degree programs.

## **JUNIOR HIGH COURSE DESCRIPTIONS**

### **Junior High Bible Department**

#### **Bible**

**Grades 7 & 8**

Junior High School Bible is taught by Calvary Chapel's junior high youth pastors. Bible teachers/pastors instruct from the King James Version of the Bible in a verse by verse fashion making sure to cover Biblical principles, historical context and personal application. Bible class is scheduled 3 days a week with a chapel offered every other Friday. 7th Grade curriculum covers the book of Acts. 8th grade curriculum covers 1 Corinthians and the inspiration and structure of the Bible.

## Junior High English Department

### **English 7**

**Grade 7**

This course is designed to further the student's competence in grammar, writing skills, vocabulary, and literary comprehension. Students will study literary elements and themes in novels and short stories from varying genres. Also, during literature reading, some philosophies will be examined in the light of a Biblical worldview. Grammar study includes review and deeper study of the major parts of speech, sentence structure, types of sentences, and proper mechanics.

### **Junior High English Essentials**

**Grade 7 & 8**

***Prerequisite: Administrative placement and/or teacher recommendation.***

This course is designed to focus on and develop practical writing skills, grammar, comprehension, and vocabulary at a slower and more individualized pace than the college prep English 7. Different types of literature will be introduced in this course to develop an appreciation of all types of genre and to improve comprehension. Special services and accommodations to support the students' special needs are distinctive to this course.

### **English 7 Accelerated**

**Grade 7**

***Prerequisite: recommendation from 6<sup>th</sup> grade teacher.***

In English Accelerated follows the same format and covers the same material as English 7, but at a more rapid rate with increased units of study. Additional topics will include, but not be limited to, more reading (both novel and short story), additional vocabulary, and increased writing assignments. Most grammar is review and mastery of grammar skills will be expected from the student. Expectations placed on students in this course include higher motivation and participation levels.





**English 8****Grade 8**

In English 8 , students will continue to develop skills in literary comprehension, vocabulary, grammar and writing. Students will study literary elements and themes in novels from varied genres. Also, during literature reading, some philosophies will be examined in the light of a Biblical worldview. Student study of the five-paragraph essay and research paper will increase writing skills. Grammar study is designed to review and build upon skills previously learned. The student will be expected to master grammar skills.

**Junior High English Essentials****Grade 7 & 8**

***Prerequisite: Administrative placement and/or teacher recommendation.***

This course is designed to develop skills and knowledge in literature comprehension, vocabulary and grammar at a modified pace and form. Students will study literary techniques, plot and character development in novels, short stories and drama. A weekly spelling assignment will also be incorporated into the curriculum.

**English 8 Accelerated****Grade 8**

***Prerequisite: 93% in English 7 or 90% in English 7 Accelerated. Teacher recommendation required.***

In English Accelerated 8 students cover the same material as English 8, but at a greater pace and depth. Increased pace allows for several more units of study in grammar, and an additional novel. Most grammar is review and focus is placed on mastering its use when writing. Expectations placed on students in this course include higher motivation and participation levels. Students are expected to be organized and place high importance on the details of literature and language. The workload for this class is also heavier.



## Junior High Science Department

### General Science

### **Grade 7**

General Science introduces 7th graders to the Human Body in the first half of the year and Earth's Structure and Water and the Atmosphere in the second half of the year. General Science provides them with the scientific foundation, the proof they need, to know for sure that humans and the Earth we live on were created by God. Through a variety of thought provoking lessons, projects, and labs, students attain a comprehensive knowledge of: the many systems of the human body (Muscular, Skeletal, Integumentary, Digestive, Cardiovascular, Respiratory, Excretory, and Nervous), the Earth System, Earthquakes, Volcanoes, Fresh Water Cycle, Ocean Characteristics, The Atmosphere, and Weather.



### Physical Science

### **Grade 8**

Physical Science is the required eighth grade science curriculum designed to introduce the basic principles of chemistry and physics. We will investigate answers to questions about why things happen and how things work through careful study and experimentation. Students will learn about the composition and properties of matter. We will explore the periodic table, how it was arranged and how that arrangement can be applied today. We will discover forces that make things move or keep them from moving. We will also investigate forms of matter and energy and how they affect the world around us.



## Junior High Math Department

### General Math 7

Grade 7

**Prerequisite:** *Successful completion of 6<sup>th</sup> Grade McDougal Littell Math Series: Course 1.*

This course is designed to build upon concepts taught in the McDougal Littell Math Series: Course 1. In McDougal Littell Math Series: **Course 2**, students will study rational numbers (their operations and their algebraic representations), geometric concepts, ratios/proportions, percents, and probability. Many of the topics from math strands, such as geometry, number sense and algebra are introduced early in the course and then integrated and expanded throughout the book. At the end of the year, Pre-algebra topics such as integers, equations, inequalities and functions will be explored. Students **MUST** possess a scientific or graphing calculator.

### General Math 7 Essentials

Grade 7

**Prerequisite:** *Administrative placement and/or teacher recommendation.*

This course is designed to cover material similar to the Mathematics 7 College Prep Course, but at a differing speed and depth. Moving at the student's pace along with special services and accommodations to support the student's special learning needs is distinctive of this course. The purpose of this course is to help develop the math skills necessary to succeed in today's world. Instruction is carefully sequenced, starting with understanding place value and numeration before moving into more complex skills. Students also learn basic concepts in Geometry and are introduced to Pre-Algebra concepts, and will work with integers. Students **MUST** possess a scientific or graphing calculator.

### Pre-Algebra Accelerated

Grades 7 & 8

**Prerequisite:** *93% in Course 2 of 6th grade Accelerated Math (for 7th graders) or 95% in Math 7 Course 2 (for 8th graders). Teacher recommendation required.*

This course is designed to build upon concepts taught in the McDougal Littell Math Series: Course 2. The McDougal Littell Math Series: **Course 3** is intended to provide a general review of basic Pre-Algebra concepts, such as integers, rational numbers, equations, inequalities, number theory, and ratio/proportions. Other mathematical concepts such as percent, probability, Geometry and statistics will also be discussed. At the end of the year, Algebra topics such as coordinate geometry, polynomials, rational expressions and linear equations will be explored. In comparison with the College Prep Pre-Algebra course, the pacing of this course is accelerated and more challenging problems are investigated. Students **MUST** possess a scientific or graphing calculator.



### **Pre-Algebra**

**Grade 8**

***Prerequisite: Successful completion of 6<sup>th</sup> Grade Accelerated McDougal Littell Math Series: Course 2.***

This course is designed to build upon concepts taught in the McDougal Littell Math Series: Course 2. The McDougal Littell Math Series: **Course 3** is intended to provide a general review of basic Pre-Algebra concepts, such as integers, rational numbers, equations, inequalities, number theory, and ratio/proportions. Other mathematical concepts such as percent, probability, Geometry and statistics will also be discussed. At the end of the year, Algebra topics such as coordinate geometry, polynomials, rational expressions and linear equations will be explored. Students **MUST** possess a scientific or graphing calculator.

### **Pre-Algebra Essentials**

**Grade 8**

***Prerequisite: Administrative placement and/or teacher recommendation.***

This course is designed to cover the same material as the Pre-Algebra College Prep course, but at a differing speed and depth. Moving at the student's pace along with special services and accommodations to support the students' special learning needs is distinctive of this course. Students **MUST** possess a scientific or graphing calculator.

### **Algebra I**

**Grade 8**

***Prerequisite: Satisfactory completion of Pre-Algebra or Accelerated Pre-Algebra.***

This course will briefly review Pre-Algebra concepts including adding, subtracting, multiplying and dividing fractions, decimals and percents. Algebra will help prepare students to approach and solve problems following a logical succession of steps and skills taught will be the foundation for upper level math and also demonstrate algebraic applications for practical uses. Topics will cover linear equations, functions, analytic geometry, manipulating exponents and polynomials, simplifying rational expressions, evaluating inequalities and absolute value, and simplifying radicals. Problems explored are intended to be thought-provoking and also skill-sharpening. Students **must** possess a scientific or graphing calculator.

### **Algebra I Honors**

**Grade 8**

***Prerequisite: 95% in Pre-Algebra or 93% in Accelerated Pre-Algebra. Teacher recommendation required.***

This course is intended for students with an above-average aptitude in mathematics. In comparison with the Algebra I course, the pacing of the course is accelerated and more challenging and real world applications problems are presented and investigated. In addition to the topics covered in the Algebra I course, this course will discuss solving linear systems, simplifying radical expressions, solving quadratic equations and cover a number of important and interesting problems in a wide range of disciplines with an emphasis on classic word problems. Students **must** possess a scientific or graphing calculator.

## Junior High Social Studies Department



### **American History to 1877**

### **Grade 7**

This course is an exploration of the history of our nation from the era of Native American civilizations to Reconstruction. Students develop their analytical and research skills through writing practice and assessment. Media technologies are used to engage students and enhance comprehension of overall themes and events. Students are challenged to use critical thinking skills by critiquing opposing viewpoints regarding social developments within the United States.

### **American History post 1877**

### **Grade 8**

This course is an exploration of the history of our nation from the era of the Civil War to modern America. Students develop their analytical and research skills through writing practice and assessment. Media technologies are used to engage students and enhance comprehension of overall themes and events. Students are challenged to use critical thinking skills by critiquing opposing viewpoints regarding social developments within the United States.

## Junior High Foreign Language Department



### **Junior High Latin**

**Grade 7**

This Latin course is a basic entry-level course. The students will learn Bible verses and vocabulary which will include: colors, numbers, days and months in Latin. The adventures of a Roman family will be followed as the students translate simple Latin stories. The basics of English grammar will be stressed through the reading and translating of the Latin stories.

### **Junior High French (S1) / Junior High Spanish (S2)**

**Grade 8**

This French course is designed to introduce students to the French language and the French-speaking world, while helping them make an informed choice of a foreign language for high school. The students will learn basic vocabulary, conversation, grammar, culture, and Bible verses.

This Spanish course is designed to introduce students to the Spanish language and the Spanish speaking world, while helping them make an informed choice of a foreign language for high school. The students will learn basic vocabulary, conversation, grammar, and culture. The students will learn French for one semester and Spanish for the other semester.

### **Essentials Directed Study Hall (Full-Year Elective 0 credit)**

**Grades 7 & 8**

This class assigned to students who, because of a diagnosed learning difference, decide to forego taking a foreign language. Students may only choose to take this course if they have a diagnosed learning difference in any area of the language arts. During this period, a teacher will work with each student individually to help them complete assigned homework and projects or study for quizzes and tests as well as encourage and model study skills.

## **Junior High Physical Education Department**

The Physical Education Department is based on the realization and belief that our bodies are the temple of the Holy Spirit, whom we have received from God. We are not our own, we have been bought with a price; therefore we should honor God with our body. (I Cor. 6:19-20)

### **PE/Athletics 7-8 Girls (Full-Year Elective 1.0 credit)**

**Grades 7 & 8**

So we being many are one body in Christ and everyone members on of another. (Romans 12 : 5)

This course is designed to educate the student of the importance of evaluating and maintaining physical fitness while learning and building character qualities needed to maintain a healthy and prosperous lifestyle. Students will learn to appreciate and utilize the abilities of others.

Students will explore their potential and challenge their limits through team sports such as, football, basketball, power ball, soft ball, and volleyball. They will also build individual skill and fitness through aerobic dance, double-dutch, and tennis. They will learn their value contribution through team building games and activities

### **PE/Athletics 7-8 Boys (Full-Year Elective 1.0 credit)**

**Grades 7 & 8**

This course which combines both 7th and 8th grades will have an overall focus on fitness education, team sports education, and health fitness commitment. When specific sports/units are covered there will be an emphasis on rules, strategies, team-work, and sportsmanship. The refinement of motor skills while reviewing physical movements will be key concepts covered. It is the intent of this course for the student to understand that their body is a temple of the Holy Spirit and that they will develop a level of discipleship in a Christian lifestyle from physical activity that serves God.

## Junior High Electives

**Student must take a different elective each semester. The only electives that can be repeated between 7<sup>th</sup> & 8<sup>th</sup> grades are Band and Choir. All other electives can only be taken once during Junior High School.**

### **Junior High Art (Full-Year Elective 1.0 credit)**

**Grades 7 & 8**

Junior high art is a hands-on introduction to making art, by learning about art history. Alternating years focus on Western art history (from prehistoric art to contemporary art), and the history of art from around the world (Africa, Asia, the Americas, and Australia). For each new time period or culture we discuss, we will create an art project using many different media: clay, paper mache, collage, weaving, painting, etc.

### **Junior High Band (Full-Year Elective 1.0 credit)**

**Grades 7 & 8**

***Prerequisite: A basic ability to play a band instrument (woodwind, brass, percussion), read music and teacher approval.***

In this class, the student rehearses and performs popular jazz repertoire. Emphasis is on sight-reading, listening skills, improvising, ensemble playing and music theory. The student will perform at school concerts and outside festivals (Dorney Park and ACSI).

### **Junior High Jazz Band (Full-Year Elective 0.5 credit Does NOT affect GPA)**

**Grades 7 & 8**

***Prerequisite: An advanced ability to play a band instrument (woodwind, brass, or rhythm section – piano, bass, drums, guitar), read music and audition with teacher approval.***

In this class, the student rehearses and performs popular jazz repertoire. Emphasis is on sight-reading, listening skills, improvising, ensemble playing and music theory. The student will perform at school concerts and outside festivals (Dorney Park and ACSI).

### **Junior High Choir (Full-Year Elective 1.0 credit)**

**Grades 7 & 8**

This is a fun and challenging class for Junior High Choir students who enjoy singing. The choir will sing a variety of music from gospel to classical with an emphasis on vocal blend, pitch, breathing and dynamics. The Junior High Choir will be jointly singing with the Senior High Choir for CCA concerts. It's a big step up musically, and a great opportunity to worship through song. The Junior High Choir will also participate in the annual competition for ACSI.

### **Junior High Computer Science (Full-Year Elective 1.0 credit)**

**Grades 7 & 8**

"Nut and bolts"+ "Much Fun"= Computer Science class. Students will work with specific software products and learn how to integrate them with their core subjects. Students will take a look at how a computer works both inside and out, learn to produce a video and make a small cartoon. In addition students will be able to create a webpage, work with photo editors and build a small video game. This is a fast paced class intending to introduce students into the world of computing.



**Junior High Culinary Arts (Full-Year Elective 1.0 credit)****Grades 7 & 8**

This course skillfully converts Junior High energy and charisma into tasty treats. During the school year, the students will obtain a finer appreciation for life in the kitchen. This includes food preparation, working well with others and learning to cleanup responsibly. Yes, you will even be able to trust them with a sharp knife. (Whew!) Upon completion of this course, your child will be transformed into a junior chef and can serve as a helpful hand in any family's kitchen.

"You shall eat in plenty and be satisfied, and praise the name of the Lord your God, who has dealt wondrously with you."

The curriculum of Culinary Arts contains recipes that may include ingredients such as peanuts, milk, eggs and wheat. If your child has an allergy to any of the aforementioned ingredients, or has a food allergy less common than the ones previously mentioned, please make sure he or she does not register for this class. CCA will not be responsible for the administration or oversight of food allergies as it relates to food consumed in this course.

**Junior High Drama (Full-Year Elective 1.0 credit)****Grades 7 & 8**

Have you got a flair for the theatrical? Has anyone ever called you a "Drama Queen"? Find out for sure if you have a God-given gift for telling stories on stage. In this class, you will study basic acting principles and techniques, such as pantomime, improvisation, vocal projection (you get to scream in class!) and movement. Theatre games and projects will prepare you for presentations throughout the year, as well as our final production in May.

**Junior High Yearbook (Full-Year Elective 1.0 credit)****Grades 7 & 8**

Be a part of team, join yearbook. Junior High Yearbook is offered to students in 7<sup>th</sup> and 8<sup>th</sup> grade. This course gives each student the opportunity to be hands on when planning, designing and producing the junior high yearbook. They will take part in all aspects of production including theme development, basic journalism, graphic design and photography. The class will focus on the basics of these aspects of production and students will be graded on accuracy, participation and the ability to meet deadlines.

**Junior High STEM (Full-Year Elective 1.0 credit)****Grades 7 & 8**

Do you like to build things? Do you like to figure out how things work? Do you learn by doing? If so, STEM class is for you! STEM stands for science, technology, engineering and math. Students will learn how to integrate all these content areas to be prepared for the 21st century. This course is project-based and assignments are designed to develop critical thinking skills, improve communication, and apply problem-solving techniques to real-world problems. Students will practice the engineering design process which focuses on learning how to brainstorm, gather information, develop ideas, create models, test, evaluate, redesign, and share solutions. Some of the topics students will explore include design and modeling, simple machines, energy and the environment, flight and space, and robotics/circuitry among others.



## SENIOR HIGH COURSE DESCRIPTIONS

### Senior High Bible Department



#### **Bible (Full-Year 1.0 credit Does NOT affect GPA)**

**Grades 9-12**

High School Bible is taught by Calvary Chapel pastors in a cyclical manner. Each Bible teacher/pastor is teaching the same book of the Bible at each grade level (grades 9-12). The High School curriculum will cover the books of Genesis, Mark (the Life of Christ), Revelation, and The Pauline Epistles. In this 4-year cycle, students in grades 9-12 will be exposed to each of the aforementioned books of the Bible before they graduate. Bible teachers instruct from the King James Version of the Bible in a verse by verse fashion making sure to cover Biblical principles, historical context and personal application. Bible class is scheduled 3 days a week and concludes with a worship chapel every Friday.

## Senior High English Department

### **Literature & Composition**

**Grade 9**

This course offers students an introduction to literary terms and elements in multiple genres focusing on short stories, drama, the novel, and poetry. All literature is interpreted from a Christian perspective and will be used as a springboard for both critical and creative writing. Students will learn to write well-developed essays as a foundational skill necessary for future academic writing. Attention will be given to reading comprehension, critical reading, and development of grammar and vocabulary skills. Independent reading is an additional component of this class. The summer reading project will be a graded.

### **Literature & Composition Honors**

**Grade 9**

***Prerequisite: 93% in English 8 or 90% in English 8 Accelerated. Teacher recommendation required.***

This Honors course will cover similar content as English 9 but will move at a much faster pace, cover topics in greater depth, and require more independent reading. All literature is interpreted from a Christian perspective and will be used as a springboard for both critical and creative writing. Students will write many well-developed essays as a foundational skill necessary for future academic writing, applying the vocabulary and grammar skills practiced in class. Requirements include participation and leadership in critical discussions of literature, completion of written literary analysis papers, independent reading, and graded summer reading.

### **Literature & Composition Essentials**

**Grades 9 & 10**

***Prerequisite: Administrative placement and/or teacher recommendation.***

This course is designed to focus on World Literature, which includes such authors as Leo Tolstoy, Arthur Conan Doyle, Chinua Achebe, and Pablo Neruda. Other objectives include developing comprehension, vocabulary, and writing skills at a slower and more individualized pace than the college prep English 10. Special services and accommodations are used to support the students' special learning needs. An anthology of world literature will be used to achieve an appreciation for foreign authors, cultures, and different genres of literature.

### **World Literature**

**Grade 10**

This course seeks to draw the student in towards literature so that an effective thinker and writer might be drawn out. The reading of novels, short stories, plays, and nonfiction articles from different areas of the world will dominate this course. All literature is interpreted from a Christian perspective and will be used as a springboard for both writing creatively and critically. Attention will be given to close reading, critical thinking, cooperative group work, and real-world learning. Creative assessments will ensure that each student can communicate knowledge to the best of his or her ability. Students will make connections between literature and their own lives, exploring literature in a global context.

**World Literature Honors****Grade 10*****Prerequisite: 93% in Lit & Comp or 90% in Lit & Comp Honors. Teacher recommendation required.***

This course will cover novels, short stories, plays, and nonfiction articles from different areas of the world in great depth, including related film analysis and real-world applications. All literature is interpreted from a Christian perspective and the course is designed for those who are motivated to write and analyze in greater detail – strengthening their essay and research skills. Requirements include participation in critical discussions, independent reading, peer-reviewed essay writing, and group projects. Students will make connections between literature and their own lives, exploring literature in a global context.

**World Literature Essentials****Grades 9 & 10*****Prerequisite: Administrative placement and/or teacher recommendation.***

This course is designed to cover the same material as the World Literature College Prep course, but at a differing speed and depth. Moving at the student's pace along with special services and accommodations to support the students' special learning needs are distinctive of this course.

**American Literature \*****Grade 11**

American Literature is a reflection of its people, history and ever-evolving identity. Students involved in this course will be immersed in the richness of American Literature by studying the unique works produced during The Colonial and Revolutionary Period, The Romantic Period, The Realist and Naturalistic Period, and The Modern Era. Through the study of these literary movements, students will not only be enlightened to the religious, political and philosophical influences that shaped many American classics but also be encouraged to explore all facets of American literature through a Biblical world view. The basic elements of fiction will be discussed and used as catalyst for essay writing and literary analysis. In preparation for the SAT exam, students will also review fundamental grammar principles, SAT-focused vocabulary words, and timed essay writing. Summer reading is also required in preparation for this course. This class (taken at CCA) is a prerequisite for English Literature & Composition Advanced Placement.

**\*Course required by CCA to be taken at CCA. Student may not take an online course or college course to replace this class.**

**American Literature Honors \*****Grade 11*****Prerequisite: 93% in World Literature or 90% in World Literature Honors. Teacher recommendation required.***

This honors course includes the entire requirements found in the college preparatory course, but it is assessed at a higher level. The reading is more expansive and intensive. Literary analysis essays are required for every work. Memorization of literary terms, participation in critical discussion, and summer reading is also required.

This class (taken at CCA) is a prerequisite for English Literature & Composition Advanced Placement.

**\*Course required by CCA to be taken at CCA. Student may not take an online course or college course to replace this class.**

**American Literature Essentials****Grades 11 & 12*****Prerequisite: Administrative placement and/or teacher recommendation.***

This course is designed to focus on American Literature, which includes such authors as Mark Twain, Edgar Allan Poe, Ralph Waldo Emerson, and Walt Whitman. Other objectives include developing comprehension, vocabulary, and writing skills at a slower and more individualized pace than the college prep English 11. Special services and accommodations are used to support the students' special learning needs. An anthology of American Literature will be used to achieve an appreciation for American authors, culture, and different genres of literature. Vocabulary is taken directly from the literature that is read to help in the comprehension of the text.

**British Literature****Grade 12**

This course is designed to give the students an appreciation for the achievements of British literature. The students will read novels and plays from a variety of literary genres. Historical backgrounds will be studied to give the students a better understanding of each literary period. The literature will be discussed and analyzed with a Biblical worldview and in light of Biblical truth. Through their discussions and comparisons to Biblical truth, the student will gain a greater reverence for God. The students will continue to develop their grammar and vocabulary skills through writing and class discussions. A research paper will also be assigned. Summer reading is also required in preparation for this course.

**British Literature Honors****Grade 12*****Prerequisite: 93% in American Literature or 90% in American Literature Honors. Teacher recommendation required.***

This course will prepare students for reading and writing success at the college-level. Classes are designed to foster mature writing skills, in-depth literary analysis, close-reading techniques, creative interpretations, and an appreciation for the complexity and achievement of British literature and culture. All literature will be studied from a Christian worldview. Student success will rely on extensive independent reading, research skills, and leadership in critical discussions.

**British Literature Essentials****Grades 11 & 12*****Prerequisite: Administrative placement and/or teacher recommendation.***

This course is designed to cover the same material as the English 12 College Prep course, but at a differing speed and depth. Moving at the student's pace along with special services and accommodations to support the students' special learning needs are distinctive of this course.

## **AP Literature & Composition**

**Grade 12**

**Prerequisites:** 97% in American Literature (taken at CCA) or 93% in American Literature Honors (taken at CCA). *Teacher recommendation required.* All interested students will be interviewed. Taking the AP exam is a requirement and the \$90 exam fee must be paid by the end of September in order to remain in the class.

This course is designed to comply with the curricular requirements described in the *AP English Course Description*. AP English literature & Composition involves in depth analysis of literature and an extensive study and practice of writing. Students examine individual work's language, characters, plot and themes. They also consider each work's structure, meaning, value, and relationship to contemporary and historical experience, and they scrutinize representative works from several genres and concentrate on reading and writing about challenging works of recognized literary merit (*AP English Literature & Composition Curriculum Guide*). Students will engage in an abundance of written assignments and activities with special focus on the timed in-class essay in preparation for the AP exam. Summer reading is required in preparation for this course. **Taking the AP exam is a requirement and the \$90 fee must be paid by the beginning of school in order to remain in the class.**

## Senior High Science Department

A minimum of four science credits is required for graduation from Calvary Christian Academy. Students interested in science related careers are encouraged to follow the accelerated honors track, and may even take two sciences in their senior year.

	Grade 9	Grade 10	Grade 11	Grade 12
<b>Honors</b>	Biology Honors	Chemistry I Honors	Chemistry II Honors Anatomy/Physiology Honors Physics Honors Chemistry AP	Chemistry II Honors Anatomy/Physiology Honors Physics Honors Chemistry AP Biology AP
<b>College Prep</b>	Biology	Chemistry I	Environmental Science Anatomy Physiology Physics	Environmental Science Anatomy Physiology Physics Computer Science Principles

### **Biology**

**Grade 9**

Biology is a 9<sup>th</sup> grade class, aligned to a college-prep curriculum. Most students taking biology intend to enter college after graduation. This course provides a general overview of major biological topics such as the structure, function, growth and reproduction of plants, animals and microorganisms. The students will become familiar with topics such as microscopy, cell structure and division, Mendelian genetics as well as evidence for creation versus evolution. The class includes several labs, including dissections. The goal is for the student to develop an appreciation for the living world around them.

### **Biology Honors**

**Grade 9**

***Prerequisite: 93% in Physical Science or previous science class. Teacher recommendation required.***

This biology course is a rigorous study of God's living creation requiring a high degree of motivation and the ability to work independently. It stresses those areas of biology common to all living things such as cell biology, genetics, classification and biochemistry. The underlying principle is that all life was created with unity and diversity. Dissection of preserved animal specimens is required.



## **Chemistry I**

**Grades 10 & 11**

### ***Prerequisite: Successful completion of Biology***

"By faith we understand that the worlds were framed by the Word of God, so that the things which are seen were not made of things which are visible" (Heb. 11:3). This course is designed to prepare the student principles and disciplines to be successful at the college level. By exploration and study of "the things which are seen", elements, compounds, and materials; the student will gain an understanding of the composition of matter and its interactions; "the things which are not seen". Topics studied will include an introduction to chemistry, matter and change, scientific measurement, atomic structure, electron configuration and the quantum names and formulas, chemical quantities, chemical reactions, stoichiometry, gas laws, and states of matter. The course will require strong mathematical skills, reading ability, and writing skills, and will include interesting hands- on laboratories and demonstrations to reinforce chemistry concepts while promoting that chemistry is part of everyday life.

## **Chemistry I Honors (Ch. 1-14)**

**Grade 10**

### ***Prerequisite: 85% Biology Honors or 90% Biology College Prep and 85% in Algebra I. Teacher recommendation required.***

"By faith we understand that the worlds were framed by the Word of God, so that the things which are seen were not made of things which are visible" (Heb. 11:3). This course will prepare the student who is interested in a career in chemistry, biology, medicine, engineering and related disciplines to be successful at the college level. By exploration and study of "the things which are seen", elements, compounds, and materials; the student will gain an understanding of the composition of matter and its interactions; "the things which are not seen". Topics studied will include an introduction to chemistry, matter and change, scientific measurement, atomic structure, electron configuration and the quantum mechanical model, the periodic table, ionic and metallic bonding, covalent bonding, chemical names and formulas, chemical quantities, chemical reactions, stoichiometry, gas laws, and states of matter. The course will require strong mathematical skills, reading ability, and writing skills, and will include interesting laboratories and demonstrations to reinforce most concepts.

## **Chemistry I & II Honors (Ch. 1-25)**

**Grade 10**

### ***Prerequisite: 90% Biology Honors or 93% Biology College Prep and 90% in Algebra I. Teacher recommendation required.***

\*Take this course if you plan on taking Chemistry AP.

"By faith we understand that the worlds were framed by the Word of God, so that the things which are seen were not made of things which are visible" (Heb. 11:3). This course will prepare the student who is interested in a career in chemistry, biology, medicine, engineering and related disciplines to be successful at the college level. By exploration and study of "the things which are seen", elements, compounds, and materials; the student will gain an understanding of the composition of matter and its interactions; "the things which are not seen." Topics studied will include an introduction to chemistry, matter and change, scientific measurement, atomic structure, electron configuration and the quantum mechanical model, the periodic table, ionic and metallic bonding, covalent bonding, chemical names and formulas, chemical quantities, chemical reactions, stoichiometry, gas laws, states of matter, water and aqueous systems, solutions, thermo-chemistry, reaction rates and equilibrium; acids, bases, and salts; oxidation-reduction reactions, electrochemistry, a survey of organic chemistry, and nuclear chemistry. The course will require strong mathematical skills, reading ability, and writing skills, and will include interesting laboratories and demonstrations to reinforce most concepts.

**Chemistry II Honors (Ch. 15-25)****Grades 11 & 12*****Prerequisite: 90% in Chemistry I Honors or 93% in Chemistry I and 90% in Algebra II. Teacher recommendation required.***

By faith we understand that the worlds were framed by the Word of God, so that the things which are seen were not made of things which are visible" (Heb. 11:3). This course will pick up where Chemistry I, Honors left off, with the purpose of preparing the student who is interested in a career in chemistry, biology, medicine, engineering and related disciplines to be successful at the college level. By continuing the exploration and study of "the things which are seen", elements, compounds, and materials; the student will gain an understanding of the composition of matter and its interactions; "the things which are not seen". Topics studied will include the states of matter, the behavior of gases, water and aqueous systems, solutions, thermochemistry, reaction rates and equilibrium; acids, bases, and salts; oxidation-reduction reactions, electrochemistry, a survey of organic chemistry (the chemistry of carbon-based molecules, the basis for all living things) and nuclear chemistry. As with Chemistry I, Honors; this course will require strong mathematical skills, reading ability, and writing skills. Interesting laboratories and demonstrations will be included to reinforce most concepts.

**Environmental Science****Grades 11 & 12**

Environmental Science seeks to give students a greater understanding of the complexities related to the Earth God created, all the life He put on it, and the interactions between the two. Through the course, students learn about subject matter ranging from the make-up of the planet and its ecosystems, to the various types of environmental hazards and their impact. Over and above the subject matter, students will learn life skills related to analyzing data, assessing situations, and developing solutions; all the while gaining a greater appreciation for how well the Lord provided for us, and how He intended us to be good stewards of His creation.

**Anatomy Physiology****Grades 11 & 12*****Prerequisites: Successful completion of Chemistry I.***

This course is designed to provide students with an in depth look into the structure and function of the human body, with the perspective that it has been perfectly designed by God. Activities include finding lung volume, blood pressure, and reaction times, as well as the comparative study of preserved animal specimens through observation and dissections.

**Anatomy Physiology Honors****Grades 11 & 12*****Prerequisites: 93% in Chemistry I. Teacher recommendation required.***

Students interested in health-related careers will have a head start in their college level class of the same name. It explores the structure and function of all eleven systems of the body, with additional attention to diseases common to those systems. Activities include finding lung volume, blood pressure, and reaction times, as well as the comparative study of preserved animal specimens through observation and dissections. A more detailed understanding of physiology is expected, compared to the College Prep level course.

### Physics

Grades 11 & 12

***Prerequisite: 85% in previous science class; 80% in all previous math classes and concurrent enrollment in Algebra II or Pre-Calculus. This course is generally reserved for seniors who meet the above prerequisites.***

“The heavens declare the glory of God; and the firmament shows His handiwork.” (Psalm 19:1) Physics is the most basic of all sciences, because it is about the study of the laws and principles governing the Creation such as motion, forces, energy, matter, heat, sound, electricity, magnetism, and light. The Physics student will study these topics through a conceptual approach. The student’s curiosity will be stirred with meaningful, real-life examples and hands-on exercises as each topic is explored. Each concept will be further developed through relevant demonstrations, problem-solving practice, and thought-provoking questions. The new ideas learned will be applied through laboratory work and discussion of critical-thinking questions. The study of physics will reinforce in the student’s mind the truth of the Psalmist’s proclamation and the awesomeness of the Creator, Who spoke into the darkness, saying “Let there be light” (Genesis 1:3); the single, most astounding statement ever spoken.

### Physics Honors

Grades 11 & 12

***Prerequisite: 85% in Chemistry, 85% in Algebra II Honors and concurrent enrollment in Pre-Calculus or above. This course is generally reserved for seniors who meet the above prerequisites. Teacher recommendation required.***

“The heavens declare the glory of God; and the firmament shows His handiwork.” (Psalm 19:1) Physics is the most basic of all sciences, because it is about the study of the laws and principles governing the Creation such as motion, forces, energy, matter, heat, sound, electricity, magnetism, and light. The Physics, Honors student will study these topics through reading, writing, and problem solving; using an analytical/mathematical approach supported by hands-on activities and demonstrations, designed to develop the critical thinking skills necessary for careers in science and engineering. The study of physics will reinforce in the student’s minds the truth of the Psalmist’s proclamation and the awesomeness of the Creator, Who spoke into the darkness, saying “Let there be light” (Genesis 1:3); the single, most astounding statement ever spoken.

### AP Biology

Grade 12

***Prerequisite: 93% or above in Anatomy/Physiology Honors or 93% in Chemistry II Honors and teacher recommendation.***

This course is designed to be the equivalent of a two-semester college introductory biology course. The range and depth of topics covered, the lab investigations and the pace of the course are significantly more challenging than regular honors Biology courses. As a result, a significantly greater amount of time and effort in and out of the classroom is required of students in AP Biology. The culmination of the course will be the College Board AP Biology exam. Major themes include biochemistry, cell biology, energy transfer, heredity, evolution, structure to function of plants and animals, regulation, ecology, and science, technology and society. **NOTE: This course also requires students to take the AP Biology Exam given in May, at the cost of approximately \$90 to the student. The \$90 exam fee must be paid before the end of September. If the fee is not paid the student will be placed in a Honors science course of their choosing.**

## **AP Chemistry**

**Grade 12**

***Prerequisite: 93% in Chemistry I Honors and 90% in Algebra II Honors or 93% in Algebra II.***

***Teacher recommendation required.***

By faith we understand that the worlds were framed by the Word of God, so that the things which are seen were not made of things which are visible" (Heb. 11:3). This course will pick up where Chemistry I left off, with the purpose of preparing the student who is interested in a career in chemistry, biology, medicine, engineering and related disciplines to be successful at the college level. By continuing the exploration and study of "the things which are seen", elements, compounds, and materials; the student will gain an understanding of the composition of matter and its interactions; "the things which are not visible". Topics studied will include review and more in depth study of topics studied in Chemistry I, including: matter and measurement; atoms, molecules, and ions; chemical reactions and stoichiometry; reactions in aqueous solution; electronic structure of atoms; periodic properties of elements; basic concepts of chemical bonding; and molecular geometry and bonding theories. In addition the study of the states of matter (gases, liquids and intermolecular forces, solids and modern materials and properties of solutions), chemical kinetics, chemical equilibrium (including acid-base equilibrium, buffers, and solubility equilibrium), chemical thermodynamics, and electrochemistry. As with Chemistry I, this course will require strong mathematical skills, reading ability, and writing skills. Sixteen guided inquiry labs required by the AP curriculum will be performed. This course is specifically designed to prepare the student for the AP Chemistry Exam in early May; therefore it is fast-paced and requires a lot of self-study on the part of the student. As time permits after the exam date additional topics including: a survey of organic chemistry (the chemistry of carbon-based molecules, the basis for all living things), nuclear chemistry, environmental chemistry, chemistry of the non-metals, and transition metals and coordination chemistry may be studied. **NOTE: This course also requires students to take the AP Chemistry Exam given in May, at the cost of approximately \$90 to the student. The \$90 exam fee must be paid before the end of September. If the fee is not paid the student will be placed in an Honors science course of their choosing.**

## Senior High Math Department

### Math Progression Chart

	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<b>Honors</b>	Pre-Algebra Accl	Algebra I Honors Pre-Algebra Accl	Geometry Honors Algebra I Honors	Algebra II Honors Geometry Honors	Pre-Calculus Hon Algebra II Honors	Calculus Honors Calculus AP
<b>College Prep</b>	Math 7 Pre-Algebra	Pre-Algebra Algebra I	Algebra I Geometry	Geometry Algebra II	Algebra II Pre-Calculus	Pre-Calculus Calculus Math in Our World
<b>Essentials</b>	Math 7 Ess.	Pre-Algebra Ess.	Algebra IA Ess.	Algebra IB Ess.	Algebra IIA Ess.	Algebra IIB Ess.

#### Algebra I

**Grades 8 & 9**

***Prerequisite: Satisfactory completion of Pre-Algebra or Pre-Algebra Accelerated.***

This course will briefly review Pre-Algebra concepts including adding, subtracting, multiplying and dividing fractions, decimals and percents. Algebra will help prepare students to approach and solve problems following a logical succession of steps and skills taught will be the foundation for upper level math and also demonstrate algebraic applications for practical uses. Topics will cover linear equations, functions, analytic geometry, manipulating exponents and polynomials, simplifying rational expressions, evaluating inequalities and absolute value, and simplifying radicals. Problems explored are intended to be thought-provoking and also skill-sharpening. Students must possess a scientific or graphing calculator.

#### Algebra I Honors

**Grades 8 & 9**

***Prerequisite: 95% in Pre-Algebra or 93% in Pre-Algebra Accelerated. Teacher recommendation required.***

This course is intended for students with an above-average aptitude in mathematics. In comparison with the Algebra I course, the pacing of the course is accelerated and more challenging and real world applications problems are presented and investigated. In addition to the topics covered in the Algebra I course, this course will discuss solving linear systems, simplifying radical expressions, solving quadratic equations and cover a number of important and interesting problems in a wide range of disciplines with an emphasis on classic word problems. Students must possess a scientific or graphing calculator.

#### Algebra IA Essentials

**Grade 9**

***Prerequisite: Administrative placement and/or teacher recommendation.***

Algebra is practical math that is applied to solving basic everyday problems. This particular course is designed for students who struggle to achieve success in a traditional college preparatory environment. In order to make this course applicable to these unique students, the fundamental concepts of Algebra are clearly explained and practically applied. Equation solving, polynomials, factoring and graphing are all presented at the students' pace with individual attention, care, and respect given to different learning styles. Practical life application of these skills is achieved through hands on learning, visual aids, and repetition. Through individual attention and encouragement, students will be able to make Algebra personal and practical experience rather than an abstract concept.

Students **MUST** possess a scientific or graphing calculator.

## **Geometry**

**Grades 9 & 10**

***Prerequisite: Successful completion of Algebra I.***

Of course this class is filled with discussion of point, line, plane, area and volume, but the student will be amazed that triangles and circles contain so much information! The student will tackle the infamous geometric proof and learn deductive reasoning in the process. Normally a favorite of the student, the exploration of parallel lines and their resulting angles will develop visual skills and reinforce algebraic skills. A pronounced understanding of the Pythagorean Theorem will be developed during portions of this course. Construction using a protractor and compass is sprinkled throughout the year. Students **must** possess a scientific calculator.

## **Geometry Honors**

**Grades 9 & 10**

***Prerequisite: 95% in Algebra I or 93% in Algebra I Honors. Teacher recommendation required.***

While this class covers similar subject matter to the college prep course, the honors student will meet with more challenging problems. The honors student will tackle in-depth proofs, three-dimensional analysis and geometric probability. They will encounter a study of coordinate geometry and will be challenged to visually solve problems set on the Cartesian plane. Congruent and similar triangles as well as polygons will be closely examined. Students **must** possess a scientific calculator.

## **Algebra IB Essentials**

**Grade 10**

***Prerequisite: Administrative placement and/or teacher recommendation.***

Algebra is practical math that is applied to solving basic everyday problems. This particular course is designed for students who struggle to achieve success in a traditional college preparatory environment. In order to make this course applicable to these unique students, the fundamental concepts of Algebra are clearly explained and practically applied. Equation solving, polynomials, factoring and graphing are all presented at the students' pace with individual attention, care, and respect given to different learning styles. Practical life application of these skills is achieved through hands on learning, visual aids, and repetition. Through individual attention and encouragement, students will be able to make Algebra personal and practical experience rather than an abstract concept. Students **MUST** possess a scientific or graphing calculator.

## **Algebra II**

**Grades 10 & 11**

***Prerequisite: Successful completion of Algebra I.***

This is a college prep course that emphasizes strengthening of Algebra I skills while taking them to the next level of difficulty and integrating new concepts. Throughout the year we will discuss, among other things, linear systems, factoring, exponents, and conic sections, as time permits. We will work on note taking and problem-solving skills. Students are encouraged to participate in class. Whenever possible, we use review games to prepare for tests. Creative ways to learn and remember concepts are incorporated. Students are strongly encouraged to possess a scientific calculator. We will, on occasion, use the school's graphing calculators to further explore a concept. This course may be taken concurrently with geometry.

### Algebra II Honors

Grades 10 & 11

**Prerequisites:** 97% in Algebra I, 93% in Algebra I Honors, 95% in Geometry, or 93% in Geometry Honors. **Teacher recommendation required.**

This is a fast-paced course that emphasizes strengthening of Algebra I skills while taking them to the next level of difficulty and integrating new concepts. Throughout the year we will discuss, among other things, linear systems, factoring, exponents, and conic sections. This course covers more material and moves at a faster pace than the college prep class. We will work on note taking and problem-solving skills. Students are encouraged to participate in class. Creative ways to learn and remember concepts are incorporated. Students are strongly encouraged to possess a scientific calculator. We will, on occasion, use the school's graphing calculators to further explore a concept. This course may be taken concurrently with geometry.

### Algebra IIA Essentials

Grade 11

**Prerequisite:** *Administrative placement and/or teacher recommendation.*

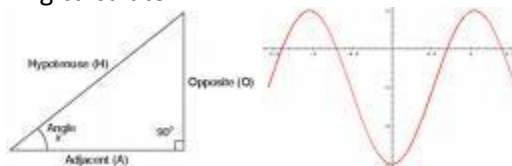
Algebra is practical math that is applied to solving basic everyday problems. This particular course, as a continuation of Algebra I, is designed for students who struggle to achieve success in a traditional college preparatory environment. In order to make this course applicable to these unique students, the fundamental concepts of Algebra are clearly explained and practically applied. Equation solving, polynomials, factoring and graphing are all presented at the students' pace with individual attention, care, and respect given to different learning styles. Practical life application of these skills achieved through hands on learning, visual aids, and repetition. Through individual attention and encouragement, students will be able to make Algebra personal and practical experience rather than an abstract concept. Students **MUST** possess a scientific or graphing calculator.

### Algebra IIB Essentials

Grade 12

**Prerequisite:** *Administrative placement and/or teacher recommendation.*

Algebra is practical math that is applied to solving basic everyday problems. This particular course, as a continuation of Algebra II A, is designed for students who struggle to achieve success in a traditional college preparatory environment. In order to make this course applicable to these unique students, the fundamental concepts of Algebra are clearly explained and practically applied. Equation solving, polynomials, factoring and graphing are all presented at the students' pace with individual attention, care, and respect given to different learning styles. Practical life application of these skills achieved through hands on learning, visual aids, and repetition. Through individual attention and encouragement, students will be able to make Algebra personal and practical experience rather than an abstract concept. . Students **MUST** possess a scientific or graphing calculator.



**Pre-Calculus****Grades 11 & 12*****Prerequisites: Successful completion of Geometry and 80% in Algebra II. Teacher recommendation required.***

This college preparatory course begins with a review of key Algebra II topics and then proceeds to explore trigonometric, geometric and advanced algebraic topics, which will prepare the student for calculus. It includes the in-depth study of how to analyze, perform operations on and graph different functions. Polynomial, power, exponential, logarithmic, and rational functions along with other functions will be studied. As time permits, the course will include a brief survey of matrices, sequences and series. Student participation is encouraged. A graphing calculator is required for the duration of the course, as it will be used to attain a visual understanding of the concepts being taught and confirm acquired answers.

**Pre-Calculus Honors****Grade 11*****Prerequisite: Satisfactory completion of Geometry Honors and 93% in Algebra II Honors. Teacher recommendation required.***

This is a fast-paced course which reviews key Algebra II concepts and then proceeds to explore families of functions and their transformations, inverse functions, rational functions, polynomial functions, rational equations and inequalities, radical equations, logarithms and exponential functions. Concepts are developed both graphically and analytically. A significant portion of the year is spent on trigonometry: trigonometric functions, their graphs, trigonometric identities, inverse trigonometric functions, and trigonometric equations. As time permits, the course will include a brief survey of matrices, polar equations, sequences and series. Student participation is strongly encouraged in this class. By the end of this course, the student will have acquired the necessary mathematical skills to successfully study a course in Calculus. A TI 84 Plus is required for the duration of the course. Students will continually graph to attain a visual understanding of concepts being taught and to confirm acquired answers.

**Calculus****Grades 12*****Prerequisite: Successful completion of Pre-Calculus Honors or 80% in Pre-Calculus. Teacher recommendation required.***

In this course students will have the opportunity to solidify their understanding of mathematical concepts they have previously learned and then be introduced to calculus topics. Calculus topics will include limits, continuity, rates of change, derivatives, extrema, concavity, optimization, related rates, and definite and indefinite integrals. A TI 84 Plus is required for the duration of the course, as concepts will be explored both graphically and analytically. Students will construct their own graphs throughout the course to enhance and confirm their acquired Calculus skills.

**Calculus Honors****Grade 12*****Prerequisite: 90% in Pre-Calculus Honors or 93% in Pre-Calculus. Teacher recommendation required.***

This course will review Pre-Calculus concepts and then explore Differential Calculus for the first semester. Calculus topics will include limits, continuity, rates of change, tangent lines, derivatives, extrema, concavity, optimization, and related rates. The second semester will focus on Integral Calculus which will cover Riemann Sums, definite and indefinite integrals, area under and between curves and volumes of solids of revolution. A TI 84 Plus is required so that concepts can be explored both graphically and analytically. Students will continually graph to enhance and confirm the acquired Calculus skills.



**AP Calculus****Grade 12*****Prerequisite: 93% in Pre-Calculus Honors. Teacher recommendation required.***

This course will quickly review Pre-Calculus concepts, and then continue to cover the topics that are taught in a college level Calculus I course. Topics are taught at a quicker pace and in greater depth than Calculus Honors. Differential Calculus includes limits, continuity, rates of change, tangent lines, derivatives, extrema, concavity, optimization, and related rates. Integral Calculus explores Riemann Sums, definite and indefinite integrals, differential equation, slope fields, area under and between curves, and volumes of solids of revolutions. A TI 84 Plus is required so students may explore topics both graphically and analytically. The calculator will also be used to find numerical answers through calculations and graphing. The last month of the course is spent reviewing for the AP Calculus test. A Calculus Workbook as well as previous AP tests are integrated into the review as well as a thorough knowledge of vocabulary and concepts that are studied through the use of flashcards. Students will be well prepared to succeed in the AP Calculus test.

**NOTE: This course also requires students to take the *AP Calculus Exam* given in May, at a cost of approximately \$90 to the student. The \$90 exam fee must be paid by the end of September. If the fee is not paid the student will be placed into Calculus Honors.**

**Math in Our World****Grade 12*****Prerequisites: Successful completion of Algebra II or any higher level mathematics course.***

This course covers a potpourri of topics in mathematics including, but not limited to the following: criminal investigation, art of persuasion, pharmaceuticals, stock market, home buying and improvement, probability and counting techniques, statistics, encryption, government spending, and retail sales. "Math in our World includes a plethora of applications and real-world problems for students to hone their skills and give their brains a work out. The critical thinking skills they practice in using this text will serve them well in any future courses whether there is math involved or not. But more important, it will help them to become problem solvers and thinkers beyond the halls of academia." (Sobecki, Pg V)

## Senior High Social Studies Department

### **World History/Geography I**

**Grade 9**

This course has been designed to provide students with an overview of geography, world history, and cultures from the earliest human civilizations through the Middle Ages. After an introduction in geographic concepts and skills such as map reading and learning to think geographically, students will study the ancient societies of Egypt, the Middle East, India, China, Africa, Greece, and Rome. The course will continue with further study of East and South Africa and conclude with the Middle Ages, including feudalism, the rise of the Roman Catholic Church, the growth of Islam, the Crusades, and the Byzantine Empire.

### **World History/Geography I Honors**

**Grade 9**

***Prerequisite: 93% in 8<sup>th</sup> grade history or 90%. Teacher recommendation required.***

The Honors course will cover the same time period as the regular 9<sup>th</sup> grade *World History & Geography I* course. Students will be challenged to evaluate and defend their opinions relating to past historical events. Critical thinking skills, more in-depth study, and additional reading and writing are distinctive of the Honors course.

### **World History/Geography II**

**Grade 10**

The purpose of this course is to provide students with a rich foundation of the historical events and ideas that helped to shape the modern world. This will include an overview of world history, cultures, and geography, beginning with the European Renaissance and continuing to the present day. The course will involve a study of the Renaissance and Reformation, European exploration and expansion, Asian empires, the Enlightenment, the age of revolutions, the rise of nationalism, the world wars, the Cold War, and conclude with the current world situation.

### **World History/ Geography II Honors**

**Grade 10**

***Prerequisite: 93% in World History/Geography I or 90% World History/Geography I Honors. Teacher recommendation required.***

The Honors course will cover the same time period as the regular 10<sup>th</sup> grade *World History & Geography II* course. Students will be challenged to evaluate and defend their opinions relating to past historical events. Critical thinking skills, more in-depth study, and additional reading and writing are distinctive of the Honors course.

### **US History (20<sup>th</sup> Century United States History)**

**Grade 11**

Using an excellent text, the students study the history of our great nation beginning with the growth of the West (following the Civil War) and continuing through the 21<sup>st</sup> Century. There will first be a brief look at the Constitution and major themes of the 19<sup>th</sup> Century. A central theme in this course is American politics and culture as America moves from isolationism to becoming a world power. Students will be challenged to relate the various units to their life and culture today. An overriding objective is that the students will appreciate history and recognize that their patterns of life now will affect their personal history in the future. The lessons are presented in a Biblical context: all of history is "His-story" and God is active in the affairs of humanity.

**US History Honors (20<sup>th</sup> Century United States History Honors)****Grade 11**

***Prerequisite: 93% in World History/Geography II or 90% in World History/Geography II Honors. Teacher recommendation required.***

Using an excellent text, the students study the history of our great nation beginning with the growth of the West (following the Civil War) and continuing through the 21<sup>st</sup> Century. There will first be a brief look at the Constitution and major themes of the 19<sup>th</sup> Century. A central theme in this course is American politics and culture as America moves from isolationism to becoming a world power. The class will require additional research and topics in many units. The class will also have an additional class book study each marking period on a primary source book pertinent to the units of study. Students will be challenged to relate the various units to their life and culture today. An overriding objective is that the students will appreciate history and recognize that their patterns of life now will affect their personal history in the future. The lessons are presented in a Biblical context: all of history is “His-story” and God is active in the affairs of humanity.

**Political Science Economics \*****Grade 12**

In the first semester, students will begin by examining the concept of worldview and its influence on individuals and society as a whole. Next students examine the different forms of government found in the world today. Students will move next to the formation of the American government and the influences that helped to shape our nation. This will involve the study of the Constitution and the branches of government as well as aspects of the American political system such as political parties, interest groups, and the media.

In the second semester, students will be introduced to economics, which includes economic systems, supply and demand, prices and markets, business and labor, personal finance, the impact of government on the economy, fiscal and monetary policy, the Federal Reserve System, and international economics.

**\*Course required by CCA to be taken at CCA. Student may not take an online course or college course to replace this class.**

**Political Science Economics Honors \*****Grade 12**

***Prerequisite: 93% in regular US History or 90% in US History Honors. Teacher recommendation required.***

The Honors course will cover the same topics as the 12<sup>th</sup> grade *Political Science/Economics* course. Students will be challenged to evaluate and defend their opinions related to political and economic issues. Critical thinking skills, a quicker pace, more in-depth study and a heavier workload are the distinctive to the Honors course.

**\*Course required by CCA to be taken at CCA. Student may not take an online course or college course to replace this class.**

## **AP European History**

**Grades 11 & 12**

***Prerequisite: 93% in World History/Geography II Honors or 93% in US History Honors. Teacher recommendation required.***

**AP European History** is a college-level course that introduces students to the intellectual-cultural, political-diplomatic, and social-economic history of Europe from 1450 to the present. Performance on the AP European History Exam determines a student's eligibility for up to six hours of college credit (the equivalent of a two-semester course). In addition to providing a basic exposure to the factual narrative, the goals of the AP European History course are to develop:

- An understanding of the principle themes in modern European history;
- The ability to analyze historical evidence;
- The ability to express that understanding and analysis effectively in writing.

This course includes history both as content and as methodology. Emphasis is placed on intellectual and academic skills, including:

- Analysis of primary sources;
- Effective note taking;
- Clear and precise written expression;
- The ability to weigh evidence and reach conclusions.

Students are required to take the AP European History Exam given in May, at a cost of approximately \$90 to the student. The exam is 3 hours and 5 minutes in length, consisting of a 55-minute multiple-choice section and a 130-minute free-response section. **The \$90 exam fee must be paid by the end of September.** If the fee is not paid, the student will be placed in Honors Political Science/Economics.



# Senior High Foreign Language Department

## Senior High French

### **French I**

**Grades 9-11**

This course introduces the student to the French-speaking world and the French language to prepare the student for real-life communication. It will teach the student how to socialize in French, express feelings and opinions and survive in a French-speaking country. Elementary proficiency in the skills of reading, writing, listening, and speaking is developed.

### **French II**

**Grades 9-12**

The language skills acquired in French I are built upon and developed so that students can expand their vocabulary and improve their listening, writing, and speaking proficiency. Students will be exposed to French culture and geography as well as the spiritual needs of France and basic witnessing vocabulary.

### **French II Honors**

**Grades 10-12**

***Prerequisite: 95% in French I.***

Grammatical skills are reviewed and built upon as the course is conducted more in French.. Stress is placed on listening skills and conversational fluency as the study of French civilization and culture continues through the use of selected representative works such as magazine and newspaper articles, songs, children's books, and Bible passages.



## Senior High Spanish

### **Spanish I**

**Grades 9-11**

The purpose of Spanish I is to communicate with people who speak the language and to understand their cultures. Students will read Spanish to be able to interpret intended meanings. Students will also express meaning by conveying their own messages and negotiate meaning through understanding and making themselves understood. Students will learn basic grammar in a meaningful context and connected to real communication needs.

In Spanish I students will read information about cultures that offer different perspectives and they will be encourage to think and to make observations about cultures and demonstrate an understanding of the relationship between the practices and perspectives of the culture studied. Spanish I students will be able to engage in conversation, provide and obtain information, express and exchange opinions.

### **Spanish II**

**Grades 9-12**

This course will help the student attain proficiency in the four skills of listening, reading, speaking and writing (emphasis in Spanish grammar). The student will learn the language within the context of the contemporary Spanish-speaking world and its culture.

### **Spanish II Honors**

**Grades 9-12**

***Prerequisite: 95% in Spanish I.***

This Spanish course is intended for students who are seriously considering continuing on to Spanish III and IV and even college level Spanish. The course will cover the topics included in Spanish II more quickly and with much greater depth and rigor; additionally, speaking and listening skills and more conversation are required.

## Senior High Electives

### Bible Electives

#### **Missions and Discipleship (Full-Year Elective 1.0 credit)**

**Grades 11-12**

How can we live out the Great Commission - to share the gospel and make disciples - both in our everyday life and around the world? Topics will include: how to study the bible on your own, spiritual disciplines, how to share your faith, apologetics, ethics, and God's heart for the nations of the world. Class will include practical, hands-on ministry opportunities.

### Fine Arts Electives

#### **Band (Full-Year Elective 1.0 credit)**

**Grades 9-12**

***Prerequisite: A basic ability to play a band instrument (woodwind, brass, percussion), read music and teacher approval.***

In this class, the student rehearses and performs symphonic and classical repertoire. Emphasis is on sight-reading, listening skills, ensemble playing and music theory. The student will perform at school concerts and outside festivals (4 per year). The senior high bands also take a four day festival trip to various theme parks (cost is approximately \$350).

#### **Jazz Band (Full-Year Elective 0.5 credit Does NOT affect GPA)**

**Grades 9-12**

***Prerequisite: An advanced ability to play a band instrument (woodwind, brass, or rhythm section – piano, bass, drums, guitar), read music and audition with teacher approval.***

In this class, the student rehearses and performs popular jazz repertoire. Emphasis is on sight-reading, listening skills, improvising, ensemble playing and music theory. The student will perform at school concerts and outside festivals (4 per year). The senior high bands also take a four day trip to a theme park for a festival (cost is approximately \$350).

#### **Choir (Full-Year Elective 1.0 credit)**

**Grades 9-12**

"Sing unto the LORD a new song". All choir classes emphasize singing with one heart and one voice. Students will be placed according to their vocal range and height. We will learn to sing a variety of music from gospel to classical with an emphasis on vocal blend, pitch, breathing and dynamics. Rehearsals are structured but fun as we fellowship and worship through warm-ups and song. The choir will perform for the winter and spring concerts and other ministry events during the school year.

#### **Select Choir (Full-Year Elective 0.5 credit Does NOT affect GPA)**

**Grades 9-12**

***Prerequisite: Senior High Choir students who are encouraged to audition for this exciting vocal ensemble.***

The requirements include excellent vocal pitch, blend, and faithful attendance for all classes and performances. The Select Choir will also participate in the annual competition for ACSI, sing for CCA concerts, and other ministry events during the school year.

**Art I (Full-Year Elective 1.0 credit)****Grades 9-12**

Art I is an introduction to making and thinking about art. It is very hands on, and all about creating! Students will learn how to draw and paint in a variety of media and styles. We will learn about art history and about what God thinks about art. Art I is for anyone who wants to make things and stretch their creative skills.

**Art II (Full-Year Elective 1.0 credit)****Grades 10-12**

***Prerequisite: Art I with a grade of "90" or better.***

Art II builds on what was learned in Art I, and focuses on various careers in art such as: illustration, fashion design, graphic design, art history, art therapy, etc, through hands-on projects. Art II builds on the drawing and painting skills learned in Art I, but we also experiment with new media like printmaking and sewing. It is all about creating and exploring all the different ways art is a part of our world!

**Art III (Full-Year Elective 1.0 credit)****Grades 11-12**

***Prerequisite: Art II with a grade of "90" or better.***

Art III focuses on building a portfolio for art school and on independent projects. If you have a passion for art, whether you want to go to art school or not, this class will stretch your creativity and independence, and allow you to refine your art skills and explore projects that really interest you!

**3-D Art / Sculpture (Full-Year Elective 1.0 credit)****Grades 9-12**

3D Art is an introduction to making three-dimensional art and sculpture. We use clay, wire, paper, fabric, and mixed media to create useful things (like bowls and cups) and art sculpture (exploring all different ideas and ways of thinking about art). It is a very hands-on class, and great for anyone who is interested in art and making things, but does not want to work on drawing or painting.

**3-D Art / Sculpture II (Full-Year Elective 1.0 credit)****Grades 10-12**

3D Art II builds on the skills learned in 3D Art I, and takes them to another level. You will use the same materials as 3D Art I, but to make even more exciting in-depth projects. This class is also more independent than 3D Art I, and allows for more artistic freedom.



## **Drama Electives**

### **Drama (Full-Year Elective 1.0 credit)**

**Grades 9-12**

Open to all interested in exploring Theatre as an expression of worship and praise to our Lord, we will use our God-given gifts to work on performance presentations in the form of Poetry, Scene Studies, Monologues and One-Act Plays, while learning and refining acting techniques. No prior experience is required, and no one is too experienced to learn. If, as Shakespeare wrote, “all the world is a stage and all the men and women merely players..... and one man in his time plays many parts”, perhaps there is a role in High School Drama scripted for you by our Heavenly Father, where you will be blessed and be a blessing to others.

### **Musical Theater (Full-Year Elective 1.0 credit)**

**Grades 9-12**

Students will engage in a lively class that involves elements of performance through storytelling, singing, acting, writing, and choreography. In addition, the class will focus on expression and audience connection, while encouraging confidence and resilience.

### **Speech (Full-Year Elective 1.0 credit)**

**Grades 9-12**

Fear of public speaking is one of the most common phobias in the world, so stop the anxiety before it starts! Build a foundation of confidence and poise in classrooms, in social situations and work environments as we investigate what makes an engaging presentation and a positive, self-assured presenter. This course explores the basic principles of effective speaking and speech by focusing on the “5 P’s of Public Speaking” and the rules that govern a well-constructed speech.

## **Culinary Arts Electives**

### **Culinary Arts I (Full-Year Elective 1.0 credit)**

**Grades 9-12**

The purpose of this course is to cultivate a desire for the student to get acquainted with the art of cooking. During the school day, the student creates delectable recipes that produce sweet aromas which permeate the hallways and often attracts the unexpected visitor. After taking this course, your child will amaze you with their skills in the kitchen. Not only that, but they will be able to prepare a dish that will tantalize your taste buds.

"Every man should eat and drink and enjoy the good of all his labor- it is the gift of God."

The curriculum of Culinary Arts contains recipes that may include ingredients such as peanuts, milk, eggs, and wheat. If your child has an allergy to any of the aforementioned ingredients or has a food allergy less common than the ones previously mentioned, please make sure he or she does not register for this class. CCA will not be responsible for the administration or oversight of food allergies as it relates to food consumed in this course.

### **Basics of Baking (Full-Year Elective 1.0 credit)**

**Grades 9-12**

The purpose of this course is for the student to get acquainted with the art and fundamentals of baking through the exploration of recipes and various techniques. During the school day, the student will create delectable recipes that will make the passersby feel as though they walked past their local bakery. Not only will we explore recipes, but we will also explore some of the science involved in turning dough and raw ingredients into light pastries and delicious baked goods. After taking this course, your child will amaze you with their skills in the kitchen. Not only that, but they will be able to prepare a baked good that will tantalize your taste buds.

"Every man should eat and drink and enjoy the good of all his labor - it is a gift of God."

The curriculum of Basics of Baking contains recipes that may include ingredients such as peanuts, milk, eggs, and wheat. If your child has an allergy to any of the aforementioned ingredients or has a food allergy less common than the ones previously mentioned, please make sure he or she does not register for this class. CCA will not be responsible for the administration or oversight of food allergies as it relates to food consumption in this course.

## World Language Electives

### **French III Honors (Full-Year Elective 1.0 credit)**

**Grades 10-12**

***Prerequisite: 90% in French II Honors or 95% in French II. Teacher recommendation required.***

French III Honors students have demonstrated an aptitude for language learning that exceeds the average learner. In French III Honors, students will continue to expand their vocabulary and grammar skills by learning higher level language concepts and applying them to written and oral expression. In addition, students will spend considerable time translating a French novel, answering comprehension questions, reading aloud, researching new vocabulary and grammar terms while using critical thinking skills to dig deeper into the themes of the novel and the author's intent. French III Honors students also create a 'book' of their own using their cumulative French learning to detail their lives and apply biblical passages to various aspects of their daily experiences. This class meets four days per week and does not require a midterm or final exam.

### **Spanish III Honors (Full-Year Elective 1.0 credit)**

**Grades 10-12**

***Prerequisite: 95% in Spanish II. Teacher recommendation required.***

This course is conducted in English and Spanish and emphasizes the review of grammatical concepts. Stress is placed on speaking and listening skills and conversation fluency. A study of Spanish America's civilization and culture is also emphasized through the use of selected representative literary works by Latin American authors.

### **Spanish IV Honors (Full-Year Elective 1.0 credit)**

**Grades 10-12**

***Prerequisite: 90% in Spanish III Honors. Teacher recommendation required.***

This course is conducted primarily in Spanish and emphasizes the reading of Spanish stories and the review of grammatical concepts learned in previous study. More complex sentences are used and analyzed. Stress is placed on speaking and listening skills and conversational fluency.

### **Tourism through Translation (Full-Year Elective 1.0 credit)**

**Grades 10-12**

***Prerequisite: 95% in Spanish II. Teacher recommendation required.***

Sarita is an 18-year-old student at Calvary Christian Academy. She will be visiting different parts of the world. Through her adventures, the students will have to research various aspects of the country she is visiting, like what to visit in that country, typical dishes, finding a hotel in that country, finding it on a map, currency conversion, etc.; the government of that country, religion, natural resources, etc. The purpose of this course is learning how to navigate other parts of the world. The teacher will write the narration of the story in Spanish and the students will do the research.

## **Health & Physical Education Electives**

**The Physical Fitness program requires that students be prepared to participate in their elected physical fitness classes. Failure to do so will result in the student being assigned to another elective.**

### **PE/Athletics 9-12 Boys (Full-Year Elective 1.0 credit)**

**Grades 9-12**

In this course students will be given instruction on how to appropriately participate in a variety of team, individual, and dual sports. Throughout the course there will be a focus on a health fitness commitment and how this is honoring to our creator. In an atmosphere of movement and fun, students will be expected to make proper decisions while learning about their fitness level, competing in sports, and the importance of displaying Christ-like conduct.

### **PE/Athletics 9-12 Girls (Full-Year Elective 1.0 credit)**

**Grades 9-12**

So we being many are one body in Christ and everyone members on of another. ( Romans 12 : 5)  
This course is designed to educate the student of the importance of evaluating and maintaining physical fitness while learning and building character qualities needed to maintain a healthy and prosperous lifestyle. Students will learn to appreciate and utilize the abilities of others. Students will explore their potential and challenge their limits through team sports such as, football, basketball, power ball, soft ball, and volleyball. They will also build individual skill and fitness through aerobic dance, double-dutch, and tennis. They will learn their value contribution through team building games and activities

### **Lifetime Sports Boys (Full-Year Elective 1.0 credit)**

**Grades 9-12**

This course is designed for high school boys to experience a more alternative type of PE class. We will step away from the more traditional team sports activities to a carryover, individual and dual sports educational program. These activities are also known as Lifetime Sports. The carryover / lifetime sports education unit will focus on skill learning, tactical instruction, rules understanding, safety knowledge, and decisional why's. We will touch on some traditional games, as well as team building activities through physical challenges. Finally, students must learn to live responsibly before God, serving Him and others with their work and play. Students will be guided to accept sports play as a gift from God, and make sports conduct congruent with all aspects of Christian living.

### **Lifetime Sports Girls (Full-Year Elective 1.0 credit)**

**Grades 9-12**

This course is designed for high school girls to experience a more alternative type of PE class. We will step away from the more traditional team sports activities to a carryover, individual and dual sports educational program. These activities are also known as Lifetime Sports. The carryover / lifetime sports education unit will focus on skill learning, tactical instruction, rules understanding, safety knowledge, and decisional why's. We will touch on some traditional games, as well as team building activities through physical challenges. Finally, students must learn to live responsibly before God, serving Him and others with their work and play. Students will be guided to accept sports play as a gift from God, and make sports conduct congruent with all aspects of Christian living.

**PE Health & Nutrition (Full-Year Elective 1.0 credit)**

**Grades 9-12**

Health and Nutrition is a class that takes a look at total health from a biblical worldview. Many times we confine a healthy lifestyle to just eating right and exercising. To be considered totally healthy involves so much more. We will explore how spiritual health, emotional health, physical health, and social health are all needed in balanced to be considered a “healthy” person. There is a strong emphasis on the role that nutrition plays in keeping us at our peak, helping us fight off the negative forces that will try to conquer our well-being.

## **Business, Computers & Information Technology Electives**

### **Digital Arts and Photography (Full-Year Elective 1.0 credit)**

**Grades 9-12**

In a multimedia saturated world, students should be equipped with visual communication skills. Along with graphic arts, this class will also give emphasis to photo composition and camera mechanics. Students will learn camera mechanics such as: iso, aperture, and shutter speed as well as various types creative compositions. Additionally, students will learn to create digital art using both vector and raster programs. Specifically, students will become proficient in various digital tools. In addition to taking photos, students will design posters and other various multimedia designs. Students will have ample opportunity to express their creative side, as well as develop excellent computer skills. At the end of the class students will have a portfolio of the photos and graphic designs they have produced.

### **Computer Science Principles and Programming with Java** **(Full-Year Elective 1.0 credit)**

**Grades 9-12**

The world around us is changing due to the exponential growth in technology and ubiquitous computing. The study of Computer Science Principles and Programming is a foundational class that would benefit everyone in the 21st century. The emphasis of this class is on programming while incorporating computing principles such as abstraction, algorithms, big data, internet/web design, cyber security, and social impact.

### **Robotics and 2D Animation (Full-Year Elective 1.0 credit)**

**Grades 9-12**

This class is an interactive programming class. Computer Science Principles is recommended before taking this class. Students will build the Lego Ev3 mindstorm robot and then program various instructions to the robot to make it move on a given maze challenge. They will learn about robot sensors, variables, functions within the language of RobotC. Additionally students will work with 2d animation using Adobe Flash and Actionscript 3.0. In this part of the class students will continue learn to create a game using artwork they create, as well as coding with various programming structures. Students that completed our Computer Science Principles course or have a more robust background in computing technology will be considered for this course.

### **Senior Video Class (Full-Year Elective 1.0 credit)**

**Grade 12**

Lights, camera, action! Students in this class will learn how to compose video using different types of media. Students will learn to use a video camera and identify good composition in taping. Capturing memories with classmates will be used to create an end of year video that will include all classmates from their graduating class. This video will be distributed to every senior at the end of the year. In addition to this video, student will create other videos for personal and classroom use. Student will learn to create special effects, enhance digital media as well as normalize audio to perfect their end product.

**Teacher's Aide (Full-Year Elective 1.0 credit)****Grades 9-12**

Students enrolled in the Teacher Aide course have the special privilege to serve while also learning about the skills and requirements of a teacher or faculty member. A Teacher's aide will be asked to perform routine tasks such as grading, filing, or tutoring students. The core requirements of a teacher aide are: Displays Christian character. Responsible (does not require continual oversight to complete or stay on task). Dependable. Willing to interact with children in a kind and age-appropriate way. Respectful. Able to follow directions. Positive attitude toward all given tasks. Communication skills (communicates well with the teacher regarding absences due to field trips, sporting events and family vacations).

**Adventures in Math (Full-Year Elective 1.0 credit)****Grade 9-12**

The laid back style of this class makes it both educational and fun. We will look at some interesting topics in math that only briefly get mentioned in traditional classes. Some topics include Fibonacci numbers, Mobius Strips, and Pascal's Triangle. In addition, students will look at the mathematicians who developed the concepts we study today, as well as the history of math itself. We will also watch some movies, look at the math that appears in some popular books, and enjoy logic and sudoku puzzles. Much of the work will be of an in-class, hands on project nature.

## Publication & Design Electives

**Yearbook (Full-Year Elective 1.0 credit)**

**Grades 10-12**

***Prerequisite: English Teacher/Administration recommendation***

If you love to take pictures and love to be in the know, then yearbook is the place to be. High school yearbook is offered to students in 10<sup>th</sup>-12<sup>th</sup> grade. Each student should have a basic knowledge of computers and photography. This course gives each student the opportunity to be hands on when planning, designing and producing the high school yearbook. They will take part in all aspects of production including theme development, basic journalism, graphic design and photography. The class will focus on the basics of these aspects of production and students will be graded on accuracy, participation and the ability to meet deadlines.



# Calvary Christian Academy

## Dual Enrollment Approval Form



### What is Dual Enrollment?

Dual enrollment is the process of being enrolled in two separate, academically related institutions. At CCA students can dual enroll by taking courses online, at a community college or through part time attendance at a vocational school. \*Do not register or pay for a course without submitting this form and receiving administrative approval.

\*There is NO tuition discount for students that supplement their CCA education by taking courses through an online high school or through college classes. Students that enroll in a VoTech school will receive a limited discount due to the specialized nature of the VoTech program.

### How is CCA credit applied to Dual Enrollment courses?

DE courses that range between 7-10 weeks will earn (.5) a half CCA credit.

DE courses that range between 11-16+ weeks will earn (1.0) a full CCA credit.

- No CCA credit is given for a Pass/Fail DE courses.
- DE college courses will receive the honors GPA weight.
- DE high school courses will receive the college prep GPA weight.

\*To have a DE grade posted to a CCA transcript, students must submit an official transcript (grade report) from the DE school.

### Does CCA offer Dual Enrollment Recommendations?

Dual enrollment is optional. If asked, we will always recommend the student's local community college. Beyond the local community college, most CCA students that have dual enrolled have utilized Cairn University, Grand Canyon University, Liberty University, and Florida Virtual School. We ask that students and families take time to do their own research and submit your request through this form. We do not have a list of pre-approved courses and schools as there are too many available options.

Student Name:

DE School/Course Name:

What CCA class would you like to replace?

Parent Signature:

Date:

Administrative Approval:

Date:

**All Dual Enrollment courses taken by seniors must be complete, with grade submitted to Dr. Eckert before the senior trip or students will not receive diploma.**

Dual Enrollment Policy (over)



## CCA'S DUAL ENROLLMENT POLICY

Students may choose to round out their educational experience by taking courses at a certified vocational/technical school, community college, university or online school. With CCA administrative pre-approval, students may take these courses and earn not only college credit, but earn credit toward high school graduation as well.

### Course Specific Guidelines:

- Students may not take a class to replace American Literature or Political Science. Both of these classes must be taken at CCA.
- Students may only take a college class to replace senior year math. All other math classes must be taken at CCA or through an approved online high school.
- Courses taken in place of a CCA course must cover the same curriculum as the CCA course as expressed in the Course Selection Guide (**CCA Administrative approval required**).
- Students who take a DE course must receive an "A" in that class in order to earn a spot in the next sequential, honors-level, course (with the exception of Math classes). Students who take a DE math course must not only receive an "A" in the course, but they must also take and earn a 93% on a course placement test to earn a spot in the next sequential, honors-level, course.

### General Guidelines:

- Students must be enrolled in at least 3 CCA classes.
- Students may only transfer in up to two classes per semester.
- Parents of students who take college classes or online classes are still required to pay full tuition at CCA.
- CCA will only accept college courses that are equivalent to 3 or 4 credit hours.
- CCA will only accept online, high school courses that are equivalent to a full-year course. Many only online, high school courses will provide a full-year course in two, separate, one-semester classes.
- Students interested in taking Dual-Enrollment classes must submit CCA's Dual Enrollment (with the syllabus of intended course) to the High School Office for Administrative approval. Please do not pay for or enroll in a course that has NOT been approved by the Administration.
- To receive a CCA HS Diploma, students must earn the required 28 credits between CCA and the dual enrolled institution.

### Grading Guidelines:

- CCA will only accept college courses that are awarded a grade. Pass/Fail courses will NOT be accepted by CCA for High School credit.
- All college/university courses will receive the weighted GPA points of a CCA honors-level course. Students cannot and will not receive the weighted GPA of an Advanced Placement course unless they are enrolled in a CollegeBoard approved Advanced Placement class. All CCA Advanced Placement classes are approved by the governing body of CollegeBoard.
- Grades awarded to students who complete college courses for high school credit will be equal to the equivalent letter grade on the CCA Honors GPA Scale. We will not modify the grade based upon a college professor's recommendation. We can only refer to the grade as it appears on the college transcript and provide the student with the equivalent letter or number grade on the CCA Grade Scale.