

2021-22  
**COURSE CURRICULUM GUIDE**  
Upper School

from The Gifted and Talented

Serge Prokofiev

Vigorous march tempo



Updated as of 1/20/2021



Charlotte Christian School is a Christ-centered, college preparatory school, equipping and developing students to effectively integrate Biblical truth and learning into their daily lives and to impact the culture for Christ.

Cover artwork by senior Hannah Burgess

In this work titled, "Chrysalis" it is symbolizing new life. The title of the piano music is *March...* which is when we started quarantine and essentially began a new life. Likewise, butterflies begin a new life when they come out of their Chrysalis. Each bead was hand placed and the butterfly symbolizes new beginnings.

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# CHARLOTTE CHRISTIAN

# UPPER SCHOOL

## Grading Scale

A+	97-100	(4.0)
A	93-96	(4.0)
A-	90-92	(3.67)
B+	87-89	(3.33)
B	83-86	(3.0)
B-	80-82	(2.67)
C+	77-79	(2.33)
C	73-76	(2.0)
C-	70-72	(1.67)
D+	67-69	(1.33)
D	63-66	(1.0)
D-	60-62	(0.67)
F	0-59	(0)

### Quality Points

Weighted GPA one-half extra GPA quality point is awarded for honors courses for grades of at least 70%. One extra GPA quality point is awarded for AP level courses for grades of at least 70%.

# 2021-22

# UPPER SCHOOL

## Standard Course Requirements by Grade

In alignment with our school's mission statement, the upper school curriculum provides a college preparatory education of the highest caliber and desires to equip students to be extraordinary thinkers and Christ-honoring decision makers. A diverse array of academics, athletics, fine arts and co-curricular activities encourage students to maximize their God-given talents.

### GRADE 9

- Old Testament Survey
- English 9 or Honors English 9
- World History or Honors World History
- Biology or Honors Biology
- Algebra I or Geometry/Honors Geometry or Honors Algebra II
- World Languages I or World Languages II
- Lifetime Fitness 9
- J-Term
- Elective(s)

### GRADE 10

- New Testament Survey
- English 10 or Honors English 10
- United States History or Honors US History or Advanced Placement United States History
- Chemistry or Honors Chemistry
- Geometry/Honors Geometry or Algebra II/Honors Algebra II or Honors Pre-Calculus or Appropriate Math
- World Languages II or World Languages III
- J-Term
- Elective(s)

### GRADE 11

- Christian Theology & World Religions
- English 11 or Honors English 11 or Advanced Placement Language & Composition
- American Government & Economics or Honors American Government & Economics or Advanced Placement US Government & Politics
- Algebra II or upper level math
- Physics or Honors Physics or upper level science or Advanced Placement Science
- World Languages III or World Languages IV
- Junior Seminar
- J-Term
- Elective(s)

### GRADE 12

- Christian Philosophy & Apologetics
- English 12 or Honors English 12 or Advanced Placement Literature and Composition
- Western Civilization or Honors Western Civilization or Advanced Placement World History - Modern
- Upper level or Advanced Placement Math Class
- J-Term
- Elective(s)

# UPPER SCHOOL

## Graduation Requirements

Classes of 2021, 2022, 2023 and 2024

### Explanation of Graduation Requirements

These requirements and explanations are designed for students who attend upper school at Charlotte Christian all four years. Students are required to complete a full academic load each year they are enrolled at Charlotte Christian School. Students transferring into Charlotte Christian School after the ninth grade may have their graduation requirements modified per administrative approval.

### Bible

Students must complete a Bible class each year they are enrolled at Charlotte Christian School. If a student is admitted as a senior, they will be required to complete both junior and senior Bible classes.

### English

Students must complete one credit each of grade 9, 10, 11 and 12 English.

### Mathematics

Students must complete at least four credits which must minimally include Algebra I, Algebra II, Geometry and one course beyond Algebra II.

### Science

Students must complete at least three credits which must minimally include Biology, Chemistry and Physics. It is strongly recommended that students take a fourth year of science.

### Social Studies

Students must complete at least four credits which include: World History, US History, American Government & Economics and Western Civilization or Advanced Placement European History or Advanced Placement World History - Modern.

### Fine Arts

Students must complete one credit of fine arts. This can be met through any combination of the fine arts courses including Digital Media.

### January Term

Each upper school student is required to earn a .25 J-Term credit per year as a graduation requirement. All morning and afternoon courses receive an eighth of a semester credit (.125) per year, while full-day courses and trips receive a quarter of a semester credit (.25). Charlotte Christian students are required to carry their minimum regular credit load for both first and second semesters in addition to their J-Term credits.

COURSE	UNITS FOR CLASS OF 2021 AND BEYOND
Biblical Studies	4
English	4
Mathematics	4
Social Studies	4
Science	3
Fine Arts	1
Physical Education	1
January Term	1
Junior Seminar	0.5
Speech	0.5
World Languages	3
Electives	1
<b>TOTAL UNIT REQUIREMENTS</b>	<b>27</b>

### Junior Seminar

This one-semester required course is designed to support students as they prepare for the transition to successful academic, social and spiritual experiences in college.

### Physical Education

All students must take Lifetime Fitness 9 and an additional .5 credit of elective physical education (i.e. athletic conditioning or dance). Participation in two seasons of any interscholastic sport also fulfills the additional .5 credit.

### Speech

This .5 credit requirement may be met by taking any of the following courses: Intro to Acting, Intermediate Acting, Intro to Public Speaking, Logic and Debate, Vocal Technique or Honors Acting Studio.

### World Languages

Students may meet the world language requirement in one of three ways:

1. Complete three units of the same language while in upper school.
2. Complete two units of the same language and one unit of another language while in upper school.
3. On the recommendation of the middle school world language teacher, enter the second or third level of a world language in ninth grade and meet the world language requirement upon completion of the third level.

It is strongly recommended that students that meet the criteria take the fourth and Advanced Placement levels of the world language.

# IMPORTANT REGISTRATION CONSIDERATIONS

## ACADEMIC COURSE SELECTION

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As a college preparatory school, our students are expected to take a rigorous class load. We are confident of their desires to take full advantage of the wide array of curricular and co-curricular offerings available at school. An important question that needs to be asked, however, is “How much of a course load is too much?” In asking this question it is recognized that a student’s course load will be affected by a variety of factors including: graduation requirements, grade level, personal interests and aptitudes, co-curricular involvements, future goals and aspirations, as well as commitments outside of school.

While colleges do show preference to students who challenge themselves academically by taking extra or advanced courses when they are qualified,

experience shows that overextending can clearly have adverse consequences, be they academic, emotional, spiritual or social. This is an area where the biblical principle of learning to count the cost (Luke 14:28-32) truly applies.

If a student qualifies for an honors course, that does not mean that it is always in their best interest to enroll in that course. We encourage consideration of all the aforementioned factors before making a decision as to a specific course load. Our general experienced recommendation would be that students not take more than two or three such courses in a given year.

It should also be noted that as a school we are not always able to accommodate requested schedule changes from students who, against school recommendation, find

themselves overwhelmed, and grades earned in these instances remain on the academic transcript.

We are thankful for the variety of academic and co-curricular offerings that we are able provide at Charlotte Christian. Please use this guide, along with our teachers and counselors, as a resource to map your academic course of study.

It should be noted that final determination as to whether a course is actually offered during any academic year will be made by the administration based upon: degree of interest, staffing and space availability.

Students who have fallen below prerequisite requirements for course placement are moved to the appropriate class.

## SUPPLEMENT COURSEWORK

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### GRADES 9-12

All requests for supplemental coursework must be preapproved by the academic committee. If a course is offered at Charlotte Christian, students are expected to take it at Charlotte Christian rather than through another school. Under extenuating circumstances, requests for supplemental coursework will follow these guidelines:

- If this coursework fulfills a graduation requirement, it will appear on the Charlotte Christian transcript and will be included in the student’s GPA.
- If the requested coursework does not fulfill a graduation requirement, it will be reflected as “see attached transcript” and not included in the student’s GPA. The transcript from the alternate educational institution will be sent along to colleges with the students Charlotte Christian transcript. It is the student’s responsibility to provide an official transcript to the Charlotte Christian registrar.

### PLACEMENT TESTS

Placement tests are used in English, Social Studies, Math and World Language as part of the process of assessing incoming students for appropriate placement.

### HONORS AND AP STUDENTS

Charlotte Christian School is committed to providing all students with a robust and rigorous academic experience. Honors and Advanced Placement (AP) classes are designed to provide a challenge for students with exceptional academic skills. We strongly recommend that students take an appropriate course load and seek balance between their academic and co-curricular obligations as well as outside of school commitments. We want all students to have a schedule that fits them well academically and will allow them to thrive and flourish during their upper school years at Charlotte Christian. It is also important to consider that the academic requirements for an honors course will require more work and be more in-depth. AP courses are college-level courses taught in high school. These courses provide students an opportunity to earn college credit. Since honors and

AP courses require more effort, time and academic capacity students and parents should expect outside work that would mirror the workload of a college course. Our upper school counselors are here to serve and give insight to help create the best schedule possible for your child. Parents and students are encouraged to speak with our upper school counselors for further guidance.

### SCHEDULE AVAILABILITY

**July: Class schedules are provided to students prior to the beginning of the school year.**

### SCHEDULE CHANGES

**August:** Students may request schedule changes to academic core classes and AP classes until the end of the first two weeks of the academic school year (10 school days.) Schedule change requests for elective classes must be made before the end of the first week of school of each semester (five days.) Following this drop/add period students may make formal requests to the academic committee in the event of extenuating circumstances only.

# ENGLISH

## Placement Criteria

Other placement criteria may include ERB, PSAT scores; demonstrated work ethic; critical thinking and writing skills improvements via writing folders; possible writing sample; and department recommendation.

Grade 9	Grade 10	Grade 11	Grade 12
<p><b>English 9</b> Prerequisite: English 8</p> <p>or</p> <p><b>Honors English 9</b> Prerequisite: 93% in English 8</p>	<p><b>English 10</b> Prerequisite: English 9 or Honors English 9</p> <p>or</p> <p><b>Honors English 10</b> Prerequisite: 93% in English 9 or 83% in Honors English 9</p>	<p><b>English 11</b> Prerequisite: English 10 or Honors English 10</p> <p>or</p> <p><b>Honors English 11</b> Prerequisite: 93% in English 10 or 83% in Honors English 10</p> <p>or</p> <p><b>AP Language and Composition</b> Prerequisite: 93% in Honors English 10</p>	<p><b>English 12</b> Prerequisite: English 11 or Honors English 11</p> <p>or</p> <p><b>Honors English 12</b> Prerequisite: 93% in English 11 or 83% in Honors English 11</p> <p>or</p> <p><b>AP Literature and Composition</b> Prerequisite: 93% in Honors English 11 or 83% in AP Language and Composition</p>

### ENGLISH 9

English 9 focuses on developing critical thinking, reading comprehension, and writing skills. Students analyze short stories, novels, poetry, and drama as they build their understanding of literary structure, style, and meaning. They continue refinement of writing skills through multiple literary analysis papers and expand these analytical abilities by consulting nonfiction resources to write a research paper. Students build vocabulary skills through the study of prefixes, suffixes, roots, analogies, and words in context. In grammar, they review parts of speech and sentence structure, focusing on skills for effective communication.

**Prerequisite:** English 8 and departmental approval • 1 credit

### HONORS ENGLISH 9

Honors English 9 differs from English 9 in the intensity and depth of study. Students read more independently, complete more writing assignments and demonstrate mastery of abstract concepts.

**Prerequisite:** 93% in English 8 and departmental approval • 1 credit

### ENGLISH 10

English 10 builds on foundations of literary analysis, critical thinking, and writing skills as the course uncovers the diverse perspectives of narratives found in American Literature. As students encounter prose, poetry and drama from major literary and historical periods, they consider important themes and writers' style from a biblical perspective. They prove and practice their ability to write clearly and effectively, as well as further develop their oral communication skills through speeches and presentations. Vocabulary and grammar study concentrates on preparing students for college entrance exams and careers by honing students' professional and descriptive voice.

**Prerequisite:** English 9 or Honors English 9 • 1 credit

### HONORS ENGLISH 10

Honors English 10 differs from English 10 in the intensity and depth of study. Students read more independently, complete more complex writing assignments and demonstrate mastery of abstract concepts.

**Prerequisite:** 93% in English 9 or 83% in Honors English 9 and departmental approval • 1 credit

## **ENGLISH 11**

How do I become an engaged global citizen? Students consider this essential question as they study classic and modern literature from Africa, Southwest Asia, India, China, Japan, Korea and Central and South America. TED talks, podcasts, movies, online articles, essays, editorials, plays, and excerpts from major world works will help students compare worldviews to a Christian worldview and recognize that all people are created in the image of God. This class will emphasize practical strategies to improve critical thinking, reading, writing and presentation skills relevant to all disciplines and daily life.

**Prerequisite:** English 10 or Honors English 10 • 1 credit

## **HONORS ENGLISH 11**

While examining the same essential question as English 11, this course differs in the breadth of work, depth and pace of study and types and expectations of assignments. Students also connect how religions, geography, politics and history influence global literatures and vice versa. Students do more out-of-class reading and complete more complex writing assignments; they are expected to demonstrate greater depth in critical thinking, reading and writing skills.

**Prerequisite:** 93% in English 10 or 83% in Honors English 10 and departmental approval • 1 credit

## **ADVANCED PLACEMENT LANGUAGE AND COMPOSITION**

Advanced Placement Language and Composition focuses on written analysis of how a writer's style produces meaning and on written preparation of a logical, well-supported argument. Rhetorical elements of style studied include diction, detail, figurative language, syntax and organization. Timed writing assignments and essay revisions are performed frequently.

**Prerequisite:** 93% in Honors English 10 with departmental approval • 1 credit

## **ENGLISH 12**

The objective of this class is to develop the reading and writing skills of students while exposing them to a wide variety of American, British and European literature. We concentrate on analyzing and interpreting literature by doing "close readings." Additionally, by improving writing skills, such as prewriting, drafting, and editing techniques, and refining English language usage skills, such as learning and using correct grammar, spelling, punctuation and vocabulary, we will have the necessary tools to successfully transition to a college environment. Analysis will be done from a biblical perspective.

**Prerequisite:** English 11 or Honors English 11 or AP Language and Composition • 1 credit

## **HONORS ENGLISH 12**

This course differs from English 12 in the intensity and depth of study. Students read more works in class and independently, complete more complex writing assignments, and demonstrate greater fluency in critical reasoning and expression.

**Prerequisite:** 93% in English 11 or 83% in Honors English 11 and departmental approval • 1 credit

## **ADVANCED PLACEMENT LITERATURE AND COMPOSITION**

The AP English Literature and Composition course focuses on reading, analyzing, and writing about imaginative literature (fiction, poetry, drama) from various periods. Students engage in close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, and symbolism. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works.

**Prerequisite:** 93% in Honors English 11, or 83% in Advanced Placement Language and Composition, and departmental

## ENGLISH ELECTIVE OPTIONS

### BIBLICAL TEACHING IN POP CULTURE

Biblical parallels can be found in pop culture from around the world and across time. Sometimes these truths are intentionally inserted into the content; other times, we as Christian audiences draw those conclusions on our own. This elective will examine popular books, movies, shows, songs, etc. from different time periods; we will analyze the stories and discern what biblical truths can be found in each. For example, medieval works like Dante's *The Divine Comedy* are obvious Christian allegories, while movies like M. Night Shayamalan's *Signs* offer more subtle commentary on the power of faith in God even in the darkest of times.

**Prerequisite:** None; open to grades 9-12 • .5 credit

### CHILDREN'S LITERATURE AND FILM STUDY

This course is a general survey of children's literature, beginning with early childhood books and ending with young adult novels. The class will take a broad look at the developmental stages in regards to reading and learning as well as skim the surface of some genres, such as fairy tales, historical fiction, realistic fiction, and informational texts. The second half of the course will involve reading original texts, watching the film versions and writing analytical responses as assessments.

**Prerequisite:** None; open to grades 9-12 • .5 credit

### CREATIVE WRITING (*Clarion* publication)

Creative Writing is designed to give students an opportunity to create, collect and curate outstanding creative pieces from Charlotte Christian School's upper school community. These pieces will be showcased in the Winter or Spring *Clarion* publication and will include short stories, poems, photography and artwork of various mediums. Students will be required to publish at least one of their own pieces, as well as lead sections of the publication process. Students will gain skills understanding the God-given creativity gift each student has, reading selected creative pieces and imitating the author's style and skill, becoming a more professional and creative writer through increased knowledge of grammar, style and ideas and by writing a variety of creative writing pieces. This course may be taken for one or both semesters and for multiple years.

**Prerequisite:** None; open to grades 9-12 • .5 credit

### INVESTIGATIVE WRITING (*Lancer* Publication)

Investigative Writing is designed to give students a solid grounding in the field of journalism and an opportunity to practice these tenets among Charlotte Christian School's upper school community. Students will study the fundamental principles of gathering, writing, reporting and editing news, then research school topics and write articles by surveying a wide variety of student life. They will then create their own school publication and take ownership of a school social media page to showcase their acquired skills. Creativity and student-driven collaboration is crucial for this course. Students must be highly committed to practicing their writing and interview skills, as well as enthusiastic about upper school student life. This course may be taken for one or both semesters and for multiple years.

**Prerequisite:** Open to grades 10-12 who earn an 83% in English • .5 credit

# MATH

## Placement Criteria

For placement of an eighth-grade student into an honors math class, the student must have a year-end grade of 93% or above in the designated prerequisite class and departmental approval.

<p><b>Algebra I</b> Prerequisite minimum: Pre-Algebra</p>	<p><b>Geometry</b> Prerequisite minimum: Algebra I</p> <p><b>or</b></p> <p><b>Honors Geometry</b> Prerequisite: 93% in Algebra I</p>	<p><b>Algebra II</b> Prerequisite: Algebra I and Geometry</p> <p><b>or</b></p> <p><b>Algebra II/Trigonometry</b> Prerequisite: 90% in Algebra I and 80% in Geometry</p> <p><b>or</b></p> <p><b>Honors Algebra II/Trigonometry</b> Prerequisite Minimum: 93% in Algebra I, 93% in Geometry or 83% in Honors Geometry</p>	<p><b>Adv. Functions and Modeling</b> Prerequisite: Alg II or Alg II/Trig</p> <p><b>or</b></p> <p><b>Pre-Calculus</b> Prerequisite: 93% in Algebra II or 80% in Alg II/Trig or Honors Alg II/Trig</p> <p><b>or</b></p> <p><b>Honors Pre-Cal</b> Prerequisite: 83% in Honors Alg II or 95% in Alg II/Trig and 90% on placement test</p>	<p><b>AP Calculus AB or AP Calculus BC</b> Prerequisite: 87% in Honors Pre-Cal for AB and 93% in Honors Pre-Cal for BC</p> <p><b>or</b></p> <p><b>AP Statistics</b> Prerequisite: 83% in Honors Pre-Cal or 97% in Pre-Cal</p>	<p><b>Probability, Statistics and Finite</b> Prerequisite: Advanced Functions or Honors Algebra II</p> <p><b>Honors Probability, Statistics and Finite</b> Prerequisite: 93% in Advanced Functions and Modeling or 87% in Pre-Calculus</p> <p><b>Calculus III/ AP Physics C:E&amp;M</b> Prerequisite: 93% in AP Calculus AB or completion of AP Calculus BC</p>
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\* Students may start the math sequence in middle school, such as Algebra I, but four math credits are still required to be earned in the upper school. Grades, effort, maturity, responsibility, consistency, critical thinking and study skills are considered as well as relevant standardized test scores.

## ALGEBRA I

Algebra I reviews pre-algebra skills and introduces the following algebraic topics: operations with integers, functions and their graphs, solving equations and inequalities, graphing and writing linear equations, solving systems of equations and inequalities, quadratic equations and functions, exponents and exponential functions, right triangles, radical and rational expressions, and polynomials. Problem-solving strategies are incorporated throughout the course.

**Prerequisite:** Pre-Algebra and/or departmental approval

• 1 credit

## GEOMETRY

Geometry provides a thorough introduction to classical Euclidean geometry and emphasizes the deductive reasoning process. The course includes a study of lines, angles, triangles, circles, polygons, solid figures and how they are related. It uses the concepts of coordinate geometry, congruence, similarity, area, volume and transformations to analyze the different topics in a more hands-on approach to geometry.

**Prerequisite:** Algebra I and or departmental approval

• 1 credit

## HONORS GEOMETRY

Honors Geometry provides a thorough introduction to classical Euclidean geometry and emphasizes the deductive reasoning process. The course includes a study of lines, angles, triangles, circles, polygons, solid figures and how they are related. It uses the concepts of coordinate geometry, congruence, similarity, area, volume and transformations to analyze the topics in a more formal, proof-centered approach to geometry. The Honors level results in a more rigorous and faster pace of material being taught. There is also a greater emphasis on solving geometric problems involving quadratic equations.

**Prerequisite:** 93% in Algebra I and departmental approval

• 1 credit

## ALGEBRA II

Algebra II is the study of the real number system with an emphasis on functions and their properties. The following topics are covered: models, functions, permutations, linear systems and relationships, matrices, quadratic relations and functions, polynomial functions, exponential and logarithmic functions, rational functions, periodic functions and introductory trigonometric concepts. Problem-solving strategies and appropriate technology are incorporated throughout the course.

**Prerequisite:** Algebra I, Geometry and or departmental approval • 1 credit

## ALGEBRA II & TRIGONOMETRY

Algebra II & Trigonometry is the study of the real number system with an emphasis on functions and their properties. The following topics are covered: models, functions, permutations, linear systems and relationships, matrices, quadratic relations and functions, polynomial functions, exponential and logarithmic functions, rational functions, periodic functions, probability and deeper understanding of trigonometric concepts. Problem-solving strategies and appropriate technology are incorporated throughout the course.

**Prerequisite:** 90% Algebra I, 80% Geometry and/or departmental approval • 1 credit

## HONORS ALGEBRA II & TRIGONOMETRY

Honors Algebra II & Trigonometry is a fast-paced course that takes a deep look at the study of the real number system with an emphasis on functions and their properties. The following topics are covered in detail: models, functions, permutations, linear systems and relationships, matrices, quadratic relations and functions, polynomial functions, exponential and logarithmic functions, rational functions, periodic functions, probability, and deeper understanding of trigonometric concepts. Problem-solving strategies and appropriate technology are incorporated throughout the course.

**Prerequisite:** 93% Algebra I, 93% Geometry or an 83% Honors Geometry and/or departmental approval • 1 credit

## ADVANCED FUNCTIONS & MODELING

Advanced Functions and Modeling is for students who have completed Algebra II. This course provides further development of modeling and applying functions. The following functions are included: linear, polynomial, exponential, trigonometric, power, logarithmic, along with sequences and series. Appropriate technology is included in the course.

**Prerequisite:** Algebra II and/or departmental approval

• 1 credit

## PRE-CALCULUS

Pre-Calculus covers the topics of a freshman year college algebra course. Students receive an in-depth study of functions including polynomial, power, rational, exponential, logistic, logarithmic and trigonometric functions. Also included is a study of analytic trigonometry, vectors, parametric and polar equations, analytic geometry and discrete mathematics.

**Prerequisite:** 93% in Algebra II, 80% in Alg II/Trig or completion of Honors Alg II/Trig • 1 credit

## HONORS PRE-CALCULUS

Honors Pre-Calculus prepares students for AP Calculus. The following topics are included: graphing families of functions, polynomial, power, rational, exponential, logistic, logarithmic and trigonometric functions, analytic trigonometry, vectors, parametric and polar equations, analytic geometry, and an introduction to limits. Appropriate technology is included in this course.

**Prerequisite:** 83% in Honors Algebra II or a 93% in Algebra II/Trig with placement test and/or departmental approval

• 1 credit

## ADVANCED PLACEMENT CALCULUS AB

Advanced Placement Calculus AB is a college-level course for students planning to pursue a college major requiring extended use of mathematics. AB Calculus follows the curriculum of a first semester college Calculus class. It is expected that those enrolled in this class will seek to earn college credit. This course emphasizes a multi-representation approach with problems being expressed graphically, numerically, analytically and verbally. The connections between these representations are very important in both attacking a problem and answering one. Broad concepts and widely applicable methods are emphasized. Topics covered are limits, derivatives and integrals. This AP Calculus course is single-blocked.

**Prerequisite:** 87% in Honors Pre-Calculus and/or departmental approval • 1 credit

## ADVANCED PLACEMENT CALCULUS BC

Advanced Placement Calculus BC is a college-level course for students planning to pursue a college major requiring extended use of mathematics. BC Calculus follows the curriculum of a first and second semester college Calculus class. It is expected that those enrolled in this class will seek to earn college credit. This course emphasizes a multi-representation approach with problems being expressed graphically, numerically, analytically and verbally. The connections between these representations are very important in both attacking a problem and answering one. Broad concepts and widely applicable methods are emphasized. Topics covered are everything in the AB curriculum in addition sequences, improper integrals, infinite series, parametric, vector and polar functions. This AP Calculus course is double-blocked.

**Prerequisite:** 93% in Honors Pre-Cal and/or departmental approval • 1 credit

## ADVANCED PLACEMENT STATISTICS

Advanced Placement Statistics examines and simulates probability distributions in order to predict and estimate future events. Students investigate ways to analyze the relationship between two or more variables through the concepts of correlation and regression. Using a graphing calculator, students discover and understand concepts algebraically, graphically and numerically, as the AP exam requires.

**Prerequisite:** 83% in Honors Pre-Calculus or 97% in Pre-Calculus, evaluation or departmental approval • 1 credit

## PROBABILITY, STATISTICS & FINITE MATHEMATICS

This course provides development of Statistics which is the study of how to collect, organize, analyze, and interpret numerical information from data. The course also goes into elementary introduction to probability with applications. Topics include: basic probability models; random variables; discrete and continuous probability distributions; statistical estimation and testing; confidence intervals; and an introduction to linear regression. All concepts learned throughout the class will also be reinforced with real life projects that will help the students understand the material better.

**Prerequisite:** Advanced Functions and Modeling • 1 credit

## HONORS PROBABILITY, STATISTICS & FINITE MATHEMATICS

This course is a fast-paced course that provides development of Statistics which is the study of how to collect, organize, analyze, and interpret numerical information from data. The course also goes into elementary introduction to probability with applications. Topics include: basic probability models; random variables; discrete and continuous probability distributions; statistical estimation and testing; confidence intervals; and an introduction to linear regression. All concepts learned throughout the class will also be reinforced with real life projects that will help the students understand the material better.

**Prerequisite:** 93% Advanced Functions and Modeling or 87% in Pre-Calculus • 1 credit

## CALCULUS III/AP PHYSICS C: E&M

Calculus III/AP Physics C: E&M follows Advanced Placement Calculus and includes the study of multivariable functions, vector-valued functions in plane and space, curvature, double and triple integrals, vector analysis, differential equations and other advanced math topics.

**Prerequisite:** 93% in AP Calculus AB or completion of AP Calculus BC and/or departmental approval • 1 credit

# MATH

# SCIENCE

## Placement Criteria

Grade 9	Grade 10	Grade 11	Grade 12
<p><b>Biology</b> Prerequisite: Grade 8 Earth Science</p> <p>or</p> <p><b>Honors Biology</b> Prerequisite: 93% in Earth Science</p>	<p><b>Chemistry</b> Prerequisite: Biology or</p> <p><b>Honors Chemistry</b> Prerequisite: 83% in Honors Biology or 93% in Biology and placement in Alg II/Trig or higher</p>	<p><b>Physics</b> Prerequisite: Biology and Chemistry</p> <p>or</p> <p><b>Honors Physics</b> Prerequisite: Honors Algebra II/Trig or Advanced Functions or Algebra II/Trig and 83% in Honors Chemistry</p> <p>or</p> <p><b>AP Physics C - Mechanics</b> Prerequisites: 93% in Honors Chemistry and 93% in Honors Pre-Calculus. Concurrent or Completion of AP Calculus AB or BC.</p>	<p><b>Astronomy</b> Prerequisite: Senior and completion of Biology and Chemistry</p> <p><b>Anatomy and Physiology</b> Prerequisite: Biology and Chemistry</p> <p><b>AP Environmental Science</b> Prerequisite: 83% in Biology and Chemistry</p> <p><b>AP Chemistry</b> Prerequisite: 93% in Honors Chemistry and 83% in Honors Physics or Physics C AP</p> <p><b>AP Biology</b> Prerequisite: 93% in Honors Biology and 83% in Honors Chemistry</p> <p><b>AP Physics C - Mechanics</b> Prerequisites: If completed Honors Physics with 83% or higher, must also have 83% in Chemistry Honors and 83% in Pre-Calculus Honors. Concurrent or Completion of Calculus AB or BC.</p>

- Please note the progression of science classes is linked to math placement and may vary.
- Upper school requires three science credits for graduation: biology, chemistry and physics. The fourth year is optional but strongly encouraged.
- Grades, effort, maturity, responsibility, consistency, reading comprehension, critical thinking and study skills are considered as well as relevant standardized test scores.

## **BIOLOGY**

Biology integrates regular class work with laboratory experience to offer a broad understanding of many biological topics. Students begin the year by learning general characteristics of living organisms. They study life at the molecular/chemical level and then learn the function and structure of cells, the metabolic processes that keep organisms alive and the genetic and reproductive properties that maintain all species. During the second semester, students begin to classify organisms according to specific kingdom and species characteristics. Several weeks of the course are involved in examining theories about the origin of life. During this time, students are encouraged to research, question and discover fallacies and evidence surrounding these theories. Throughout the year, students learn the importance of biology in everyday life. They are encouraged to find the perfect design God planned in the living world He created.

**Prerequisite:** Grade 8 Earth Science and/or departmental approval • 1 credit

## **HONORS BIOLOGY**

Honors Biology is for students who exhibit exceptional skills in math and science. Topics are similar to those covered in Biology but are covered with increased breadth and depth.

**Prerequisite:** 93% in Earth Science • 1 credit

## **CHEMISTRY**

Chemistry explores the composition, structure, properties and transformation of matter. Its problem-solving approach coordinates theoretical elements of the science with laboratory experimentation. Students receive an introduction to the major divisions of chemistry and develop a greater understanding of and appreciation for the order and design of God's creation. Major concepts of the course include atomic theory, stoichiometry, chemical reactions and reactivity, chemical bonding and the properties of substances, chemical kinetics and chemical equilibrium.

**Prerequisite:** Biology • 1 credit

## **HONORS CHEMISTRY**

Honors Chemistry is for students who exhibit exceptional aptitude in math and science. Topics are covered with increased breadth and depth and require more time (e.g., labs).

**Prerequisite:** 83% in Honors Biology or 93% in Biology and concurrent enrollment in Algebra II/Trig or higher math course and/or departmental approval • 1 credit

## **PHYSICS**

This course provides students a general overview of physics. Students learn the basic principles of Newtonian Mechanics including motion, acceleration, forces, momentum and energy as well as the fundamental principles of electricity, magnetism, light and sound. The course is highly experiential, with an emphasis on hands-on laboratory work. The course stresses God's preeminence over His creation and demonstrates the order of His work.

**Prerequisite:** Completion of Biology and Chemistry • 1 credit

## **HONORS PHYSICS**

Honors Physics introduces students to a science that seeks to explain the fundamentals of all phenomena of nature. Physics investigates all matter, from subatomic particles to galaxies, and all energy, from transmission to nuclear fusion. Students broaden their understanding of the physical world and receive an excellent foundation for future study in science and engineering. The course trains students to analyze and solve problems scientifically as they study classical mechanics (the study of motion), electricity and magnetism, with a brief introduction to wave phenomena, optics and sound.

**Prerequisite:** Student must have completed Honors Algebra II or Advanced Functions; and a grade of 83% in Honors Chemistry or grade of 93% in Chemistry; and departmental approval • 1 credit

## **ADVANCED PLACEMENT PHYSICS C-MECHANICS**

Advanced Placement Physics C-Mechanics is a rigorous course that covers all topics in mechanics. It is equivalent to the first semester of an introductory college physics course for engineering, physics and chemistry majors and gives students the opportunity to earn college credit.

**Prerequisite:** If completed Honors Physics with 83% or higher, must also have 83% in Honors Chemistry. If no prior Physics class has been taken, must have 93% in Honors Chemistry. Concurrent enrollment or completion of Calculus AB or BC, and department approval • 1 credit

## **ASTRONOMY**

Astronomy is a year-long science elective that targets students who have a fascination with the complexity, order, and grand design of the universe. The course explores the continually developing cosmos that surrounds us for as far as telescopes allow us to see. Topics include recognizing constellations, our solar system, black holes, galaxies, origin theories, asteroid collisions with Earth and manned space flight. Evening star parties will be offered throughout the year for students to see the glory of the sky firsthand with an 8" telescope. Sunspots will be observed during daylight hours.

**Prerequisite:** Completion of Biology and Chemistry • Available to seniors • 1 credit

## **ANATOMY/PHYSIOLOGY**

This course involves a survey of the structure, function and interactive dynamics of the human body. Students will understand functional anatomy with application to life experience through case studies. This course requires a keen interest in human anatomy and physiology. The first semester covers fundamentals of anatomy and physiology while the second semester explores each body system in detail. Dissections are required.

**Prerequisite:** Biology; Chemistry • 1 credit

## **FORENSIC SCIENCE**

Forensic Science is an application of basic biological, chemical, and physical science principles in the investigation of crime scenes. This course is designed to make students aware of the services of a crime laboratory and the proper utilization of these services. The course will concentrate on the significance of physical evidence and the examination of this evidence in the crime laboratory. Students will be taught the proper recognition, collection and preservation of physical evidence at the crime scene.

**Prerequisite:** 83% in Biology and Chemistry; concurrent enrollment in Physics • .5 credit

## **ADVANCED PLACEMENT BIOLOGY**

Advanced Placement Biology is a course that will focus on college-level biological principles and methodology. This course will develop students' laboratory skills and provide foundational knowledge for future science courses. Students will investigate topics that were introduced in Biology such as cell structure and function, cell cycle, genetics and ecology. These topics are explored in depth and at a quick pace. This course will alternate with AP Chemistry and be offered every other year.

**Prerequisite:** 93% in Honors Biology and 83% in Honors Chemistry and/or departmental approval • 1 credit

## **ADVANCED PLACEMENT CHEMISTRY**

Advanced Placement Chemistry is the equivalent of a general college chemistry course and gives students the opportunity to earn college credit. The course continues to develop students' ability to think critically and to express ideas orally and in writing with clarity and logic. Topics are investigated in depth and at a brisk pace. This course will alternate with AP Biology and be offered every other year.

**Prerequisite:** 93% in Honors Chemistry and 83% in Honors Physics or AP Physics C; concurrent enrollment in Pre-Calculus or higher and departmental approval • 1 credit

## **ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE**

Advanced Placement Environmental Science is an interdisciplinary college-level course that provides students with the scientific principles, concepts and methodologies necessary for understanding the interrelationships of the natural world; identifying and analyzing environmental problems (natural and man-made); evaluating the relative risks associated with these problems; and examining alternate solutions for resolving and/or preventing them. The course is an excellent choice for students who have completed two years of an upper school laboratory science and show keen interest in environmental issues. Topics include: energy flow and matter cycling in ecosystems, basic ecology, human population dynamics, resource use, energy issues, food/soil resources, water resources, biodiversity loss, air/water pollution detection and management, eutrophication, acid rain, ozone depletion and climate change.

**Prerequisite:** 83% in Biology, Chemistry, and departmental approval • 1 credit

# SCIENCE

# SOCIAL STUDIES

## Placement Criteria

Grade 9	Grade 10	Grade 11	Grade 12
<p style="text-align: center;"><b>World History</b> Prerequisite: Grade 8 Social Studies</p> <p style="text-align: center;"><b>or</b></p> <p style="text-align: center;"><b>Honors World History</b> Prerequisite: 93% in Grade 8 Social Studies</p>	<p style="text-align: center;"><b>U.S. History</b> Prerequisite: World History</p> <p style="text-align: center;"><b>or</b></p> <p style="text-align: center;"><b>Honors U.S. History</b> Prerequisite: 93% in World History or 83% in Honors World History</p> <p style="text-align: center;"><b>or</b></p> <p style="text-align: center;"><b>AP U.S. History</b> Prerequisite: 93% in Honors World History</p>	<p style="text-align: center;"><b>American Government &amp; Economics</b> Prerequisite: U.S. History</p> <p style="text-align: center;"><b>or</b></p> <p style="text-align: center;"><b>Honors American Government &amp; Economics</b> Prerequisite: 93% in U.S. History, or 83% in Honors U.S. History</p> <p style="text-align: center;"><b>or</b></p> <p style="text-align: center;"><b>AP U.S. Government &amp; Politics</b> Prerequisite: 93% in Honors U.S. History or 83% in AP U.S. History and department approval</p>	<p style="text-align: center;"><b>Western Civilization</b> Prerequisite: U.S. History and American Government and Economics</p> <p style="text-align: center;"><b>or</b></p> <p style="text-align: center;"><b>Honors Western Civilization</b> Prerequisite: 93% in American Government and Economics or 83% in Honors American Government and Honors Economics</p> <p style="text-align: center;"><b>or</b></p> <p style="text-align: center;"><b>AP European History</b> Prerequisite: 93% in Honors American Government and Economics or 83% in AP U.S. Government</p> <p style="text-align: center;"><b>or</b></p> <p style="text-align: center;"><b>AP World History - Modern</b> Prerequisite: 93% in Honors American Government and Economics or 83% in AP U.S. Government</p>

## **WORLD HISTORY**

This full-year course involves the study of geography, civilizations, world religions, economic and political systems and other major developments that have been crucial to the course of human history. This course begins with creation and ancient civilizations, moves through the rise and fall of the Roman empire, the rise of nation-states and ends with the present day. Students will develop historical thinking skills as they identify key figures, pivotal events and major movements that have shaped the world into what it is today. Additionally, students will develop organization and study skills that will prepare them for success at a high school level.

**Prerequisite:** None • 1 credit

## **HONORS WORLD HISTORY**

Honors World History differs from World History in the intensity and depth of study. Students will analyze primary sources, evaluate document-based questions through historical research, and complete more writing assignments, demonstrating mastery of both historical facts and writing skills.

**Prerequisite:** 93% in Grade 8 Social Studies • 1 credit

## **UNITED STATES HISTORY**

United States History surveys American history, beginning from the historical settlements of Native Americans in North America to the end of the 20th century. It provides a strong background in historical facts while incorporating the sweeping themes of history that continue to influence our world. Taught against the backdrop of world history events and current events, the course shows the interdependence of our nation and the rest of the world.

**Prerequisite:** None • 1 credit

## **HONORS UNITED STATES HISTORY**

Honors United States History differs from United States History in the intensity and depth of study. Students are expected to analyze important historical events with an emphasis on the examination of primary sources. Students will examine the interdependence of our nation to the world through writing assignments, demonstrating mastery of both world history historical facts and writing skills.

**Prerequisite:** 93% in World History or 83% in Honors World History and departmental approval • 1 credit

## **ADVANCED PLACEMENT UNITED STATES HISTORY**

Advanced Placement United States History studies the cultural, economic, political, and social developments that have shaped the United States from c. 1491 to the present. You'll analyze texts, visual sources, and other historical evidence and write essays expressing historical arguments. This course is a college level offering, and demands of the students both an additional level of academic discipline and development of related analytical skills.

**Prerequisite:** 93% in World History Honors and departmental approval • 1 credit

## **AMERICAN GOVERNMENT**

This course of study will give the students a broad-based understanding of both the institutions and purposes of the American government, and a genuine understanding of the inner workings of this constitutional democracy. This will focus both an understanding and analysis of foundational principles, the American political landscape - most notably ideological differences on the many issues of our day, the political process - as related primarily to voter behavior and the election process, the separation of powers between the three branches of government, and an in-depth look at both civil liberties and civil rights. All of this will be used for a healthy discussion of current political events - as related to key course components.

**Prerequisite:** None • .5 credit

## **ECONOMICS**

This course of study will give to the students a broad-based understanding of our free market economic system. This involves both an understanding of significant economic policy decisions and the related ideological perspective on such. This course further involves elements of macroeconomics - which studies the behavior and performance of an economy as a whole, and elements of microeconomics - which deals with single economic factors and the effects of individual decisions. All of this will be used for a healthy discussion of economic current events - as related to key course components.

**Prerequisite:** None • .5 credit

# **SOCIAL STUDIES**

## HONORS AMERICAN GOVERNMENT

This course of study will give the students a broad-based understanding of both the institutions and purposes of the American government, and a genuine understanding of the inner workings of this constitutional democracy. This will focus on a more in-depth understanding and analysis of foundational principles, the American political landscape - most notably ideological differences on the many issues of our day, the political process - as related primarily to voter behavior and the election process, the separation of powers between the three branches of government and an in-depth look at both civil liberties and civil rights. This course also requires the students to gain a deeper understanding and analysis on the inner workings of government as demonstrated in a semester research paper. All of this will be used for a healthy discussion of current political events - as related to key course components.

**Prerequisite:** 93% in U.S. History or 83% in Honors U.S. History or 83% or above in Advanced Placement U.S. History  
• .5 credit

## HONORS ECONOMICS

This course of study will give to the students a broad-based understanding of our free market economic system. This involves a more in-depth understanding of significant economic policy decisions and the related ideological perspective on such. This course further involves elements of macroeconomics - which studies the behavior and performance of an economy as a whole, and elements of microeconomics - which deals with single economic factors and the effects of individual decisions. All of this will be used for a healthy discussion of economic current events - as related to key course components. This course also requires the students to gain a deeper understanding and analysis of economic theory, as demonstrated in a semester research paper.

**Prerequisite:** 93% in U.S. History or 83% in Honors U.S. History or 83% in AP U.S. History • .5 credit

## ADVANCED PLACEMENT UNITED STATES GOVERNMENT & POLITICS

Advanced Placement United States Government and Politics gives students a critical perspective on economics, politics and government, involving both the study and general concepts used to interpret United States politics and the analysis of specific case studies. It requires students to analyze the institutions, groups, beliefs and ideas that make up the American political reality.

**Prerequisite:** 93% in Honors U.S. History or 83% in Advanced Placement U.S. History and departmental approval • 1 credit

## WESTERN CIVILIZATION

This course offers an in-depth study of the history of western civilization from the fall of the Roman Empire and the growth of Christianity. The class explores the peoples, events, ideas, innovations, political and economic structures, cultures, and religious systems of major western European civilizations, placing particular emphasis on their formative influence on U.S. ideas and ideals. Discussions will revolve around the Middle Ages, the Renaissance and Reformation, the Scientific Revolution, the Age of Enlightenment, the French Revolution, the Industrial Revolution, World Wars I and II, the Cold War and the contemporary western world.

**Prerequisite:** U.S. History, American Government & Economics or department approval • 1 credit

## HONORS WESTERN CIVILIZATION

Honors Western Civilization differs from Western Civilization in the intensity and depth of study. Students will be expected to examine primary text sources, evaluate historical events and cultures and create writing analysis. Students will demonstrate mastery of both historical information and writing skills by completing a research paper.

**Prerequisite:** 93% or above in American Government and Economics; 83% or above in Honors American Government and Economics and departmental approval • 1 credit

## ADVANCED PLACEMENT EUROPEAN HISTORY

Advanced Placement European History meets the senior year Western Civilization requirement. This course is the study of the history of Europe from 1450 to the present, which includes the Renaissance, the Reformation, the English Civil War, the Napoleonic years, both World Wars and much more. So many of the roots of America are in Europe, and this class is important for understanding the world we live in.

**Prerequisite:** 93% in Honors American Government and Honors Economics or 83% in Advanced Placement US Government or departmental approval • 1 credit

## ADVANCED PLACEMENT WORLD HISTORY - MODERN

Advanced Placement World History-Modern meets the senior year Western Civilization requirement. This course is the study of the cultural, economic, political and social developments that have shaped the world from c. 1200 CE to the present. Students will analyze texts, visual sources and other historical evidence and write essays expressing historical arguments.

**Prerequisite:** 93% in Honors American Government and Honors Economics or 83% in Advanced Placement U.S. Government & Politics or departmental approval • 1 credit

## SOCIAL STUDIES ELECTIVE OPTIONS

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### PSYCHOLOGY

Psychology will give the students an understanding and appreciation of psychology. The class will analyze Your Self (with emphasis on theories of personality), Your Body (with emphasis on body rhythms and mental states), Your Mind (with emphasis given on thinking and intelligence), Your Environment (with emphasis on learning and behavior), Your Mental Health (with emphasis on psychological disorders) and Your Life (with emphasis on emotions, stress, and health). The Christian perspective and current events will be integrated throughout the course.

**Prerequisite:** None; open to grades 9-12 • .5 credit

### ADVANCED PLACEMENT PSYCHOLOGY

Students will study the historical development and contemporary discipline of psychology including its roots in philosophy and biology. This course examines biology (neuroscience, genetics, human development, sensation and perception); cognition (learning, memory, thinking, language and intelligence); psychological functioning (motivation, personality theory, psychological disorders and therapy); and social functioning (stress, health and social psychology). This course prepares students to analyze, critique and respond to the aforementioned from a Biblical worldview.

**Prerequisite:** 87% in junior English and Social Studies courses; open to grade 12 • 1 credit

### SOCIOLOGY

Sociology is a semester elective course designed to familiarize students with various cultures and the problems resulting from people living in groups. This course covers such topics as culture, subcultures, social institutions, collective behavior, social change, social deviation, the family, religion, racial and ethnic minorities, poverty and crime. The latter portion of this course deals specifically with the pressing problems of our society, their causes and possible solutions. The Christian perspective and current events will be integrated throughout the course.

**Prerequisite:** None; Open to grades 9-12 • .5 credit

### SPORTS PSYCHOLOGY

Sports Psychology will give students an overview of the psychological theories and research that relates to sport/exercise participation and behavior at both the individual level and group level. The class will analyze character development through sport/exercise (with an emphasis on leadership theories and team dynamics/cohesion), psychological factors in sport/exercise (with an emphasis on motivation, stress and anxiety, unhealthy behaviors of athletes, and self-confidence), physical factors in sport/exercise (with an emphasis on injuries, burnout, and overtraining), and mental skills training in sport/exercise (with an emphasis on arousal regulation, imagery, self-confidence, goal setting, attention and concentration). Overall, the course will focus on uncovering the psychological factors involved in sport/exercise along with studying the mental skills needed for individuals to overcome the various physical and psychological challenges that are connected with sports, competition and exercise.

**Prerequisite:** None; Open to grades 9-12 • .5 credit

# SOCIAL STUDIES

# WORLD LANGUAGES

## Placement Criteria

<b>FRENCH</b>	<b>French I</b>	<p><b>French II</b> Prerequisite: French I</p> <p>or</p> <p><b>French II Honors</b> Prerequisite: 90% in French I</p>	<p><b>French III</b> Prerequisite: French II</p> <p>or</p> <p><b>Honors French III</b> Prerequisite: 90% in French II or 83% in Honors French II</p>	<p><b>Honors French IV</b> Prerequisite: 90% in French III or 83% in Honors French III</p>	<p><b>AP French Language and Culture</b> Prerequisite: 83% in Honors French IV</p>
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<b>LATIN</b>	<b>Latin I</b>	<p><b>Latin II</b> Prerequisite: Latin I</p> <p>or</p> <p><b>Honors Latin II</b> Prerequisite: 90% in Latin I</p>	<p><b>Latin III</b> Prerequisite: Latin II</p> <p>or</p> <p><b>Honors Latin III</b> Prerequisite: 90% in Latin II or 83% in Honors Latin II</p>	<p><b>Honors Latin IV</b> Prerequisite: 90% in Latin III or 83% in Honors Latin III</p>	<p><b>AP Latin</b> Prerequisite: 83% in Honors Latin IV</p>
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<b>SPANISH</b>	<b>Spanish I</b>	<p><b>Spanish II</b> Prerequisite: Spanish I</p> <p>or</p> <p><b>Honors Spanish II</b> Prerequisite: 90% in Spanish I</p>	<p><b>Spanish III</b> Prerequisite: Spanish II</p> <p>or</p> <p><b>Honors Spanish III</b> Prerequisite: 90% in Spanish II or 83% in Honors Spanish II</p>	<p><b>Honors Spanish IV</b> Prerequisite: 90% in Spanish III or 83% in Honors Spanish III</p>	<p><b>AP Spanish Language and Culture</b> Prerequisite: 83% in Honors Spanish IV</p>	<p><b>AP Spanish Literature</b> Prerequisite: 83% in AP Spanish Language and Culture</p>
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\* The world language completed in upper school does not have to be three years of the same language; it can be two years of the same language and one year of a different world language all completed in upper school. World Language completed in middle school can count towards graduation requirements if levels II and III of the same language are passed in upper school.

## **FRENCH I**

French I emphasizes integration of the five National World Language Standards - Communication, Cultures, Connections, Comparisons and Communities - from a biblical perspective. French I introduces the French language and its culture and covers most basic functions of the language. Emphasis is on listening, speaking, reading and writing skills within a given context and extending outside the classroom setting when possible. An overview of the culture – its products (literature, laws, foods, games), perspectives (attitudes, values, beliefs), and practices (patterns of social interaction) – is integrated throughout the course. Students acquire insight into how languages and cultures work by comparing the French language and culture to their own. Topics of study include the calendar, weather, family and home, time, school, sports, Psalms and Bible verses related to themes. The class is conducted in French and English.

**Prerequisite:** None • 1 credit

## **FRENCH II**

French II emphasizes integration of the five National World Language Standards - Communication, Cultures, Connections, Comparisons and Communities - from a biblical perspective. French II continues developing the skills of listening, speaking, reading, and writing as students participate in simple conversational situations by combining learned elements of the language orally and in writing. Students compose sentences that narrate, describe, compare and summarize familiar topics from the French culture. They also use the language to communicate basic survival needs and interact on everyday issues inside and outside the classroom setting. Students expand their understanding of similarities and differences between their own culture and language and those of France. Students completing this course are able to recite and learn specific assigned Bible verses. The class is conducted predominantly in French.

**Prerequisite:** French I and department placement test  
• 1 credit

## **HONORS FRENCH II**

Honors French II continues developing the skills of listening, speaking, reading and writing as students participate in simple conversational situations by combining learned elements of the language orally and in writing. Students compose sentences that narrate, describe, compare and summarize familiar topics from the French culture. They also use the language to communicate basic survival needs and interact on everyday issues inside and outside the classroom setting. Students expand their understanding of similarities and differences between their own culture and language and those of France. Students completing this course are able to recite and learn specific assigned Bible verses. The class is conducted predominantly in French.

**Prerequisite:** 90% in French I and departmental approval  
• 1 credit

## **FRENCH III**

French III emphasizes integration of the five National World Language Standards - Communication, Cultures, Connections, Comparisons and Communities- from a biblical perspective. French III builds upon the foundation of listening, speaking, reading and writing skills begun in levels I and II. Students respond to and maintain face-to-face communication in French. They identify main ideas and significant details in discussion, presentations and written texts and interpret authentic materials. Students take the AAPPL test to demonstrate communicative proficiency. At the conclusion of the course they are able to present a simple plan of salvation in writing. The class is conducted predominantly in French.

**Prerequisite:** French II • 1 credit

## **HONORS FRENCH III**

Honors French III emphasizes integration of the five National World Language Standards - Communication, Cultures, Connections, Comparisons and Communities - from a biblical perspective. French III Honors offers additional opportunities for expanding the skills of language learning: listening, speaking, reading and writing. Students initiate and maintain face-to-face communication in French. They identify main ideas and significant details in discussion, presentations, and written texts and interpret authentic materials. Students are introduced to brief literary works. The class is conducted predominantly in French.

**Prerequisite:** 90% in French II or 83% in Honors French II and departmental approval • 1 credit

## **HONORS FRENCH IV**

French IV Honors emphasizes integration of the five National World Language Standards - Communication, Cultures, Connections, Comparisons and Communities- from a biblical perspective. French IV Honors focuses on enabling students to communicate in writing and in extended conversations on a variety of topics. Students use more complex grammatical structures as they narrate, discuss and support ideas and concepts with concrete facts. Upon course completion, students have a good understanding of what is socially acceptable in the French culture. At the conclusion of the course, students are required to give their testimony in writing in French using biblical references. The class is conducted in French.

**Prerequisite:** 90% in French III or 83% year end grade in French III Honors and departmental approval • 1 credit

## **ADVANCED PLACEMENT FRENCH LANGUAGE AND CULTURE**

Advanced Placement French Language and Culture emphasizes integration of the five National World Language Standards - Communication, Cultures, Connections, Comparisons and Communities - from a biblical perspective. This class emphasizes conversation, grammar and composition. The class enables students to attain high levels of ability in listening, speaking, reading and writing. They are exposed to a variety of genres to help them expand their knowledge of formal language in oral and written forms, thereby increasing levels of coherency, resourcefulness, fluency and accuracy. Students are graded using the AP scale.

**Prerequisite:** Honors French IV and/or departmental approval  
• 1 credit

## **LATIN I**

Latin I introduces students to the language of the ancient Romans. While the main goal is to read Latin texts at the novice level of proficiency, students will also develop reading, writing, listening and speaking skills. Students will interact with a variety of introductory texts focused on daily life, family, mythology and travel and have opportunities to compare the ancient world with the modern. Discussions of vocabulary and grammar will strengthen students' understanding of English and modern Romance languages.

**Prerequisite:** None • 1 credit

## **LATIN II**

Latin II provides students continued opportunities to develop their reading, writing, listening and speaking skills with a goal of moving from novice toward intermediate proficiency. Students will read texts concerning heroes, city life, the games and commerce and have opportunities to respond creatively to these topics throughout the year. New vocabulary and grammar concepts will build upon the foundation laid in Latin I.

**Prerequisite:** Latin I • 1 credit

## **HONORS LATIN II**

Honors Latin II provides students continued opportunities to develop their reading, writing, listening and speaking skills with a goal of moving from novice toward intermediate proficiency. Students will read texts concerning heroes, city life, the games and commerce and have opportunities to respond creatively to these topics throughout the year. New vocabulary and grammar concepts will build upon the foundation laid in Latin I. This course is taught at a faster pace with deeper exploration of content.

**Prerequisite:** 90% in Latin I and departmental approval  
• 1 credit

## **LATIN III**

Latin III pushes students to achieve an intermediate proficiency level in reading with continued interest in writing, listening and speaking skills. Students will interact with texts focused on empire, geography, time and cultural practices. Several projects will stretch students in the areas of composition and presentation in the target language. More specific vocabulary and grammar concepts will build upon those covered in Latin II.

**Prerequisite:** Latin II • 1 credit

## **HONORS LATIN III**

Honors Latin III pushes students to achieve an intermediate proficiency level in reading with continued interest in writing, listening and speaking skills. Students will interact with texts focused on empire, geography, time and cultural practices. Several projects will stretch students in the areas of composition and presentation in the target language. More specific vocabulary and grammar concepts will build upon those covered in Latin II. This course is taught at a faster pace with deeper exploration of content.

**Prerequisite:** 90% in Latin II; or 83% in Honors Latin II and departmental approval • 1 credit

## **HONORS LATIN IV**

Honors Latin IV is a survey course designed to assist students as they transition to reading unadapted texts either as the culmination of their study of the language or in preparation for AP Latin. Students will read selections from the Vulgate and medieval authors, Pliny the Younger, Catullus, Ovid and Caesar. Increased emphasis is placed on honing translation skills, analyzing texts and making connections across disciplines.

**Prerequisite:** 90% in Latin III or 83% in Honors Latin III  
• 1 credit

## **ADVANCED PLACEMENT LATIN**

The Advanced Placement Latin course focuses on the in-depth study of selections from two of the greatest works in Latin literature: Vergil's *Aeneid* and Caesar's *Gallic War*. The course requires students to prepare and translate the readings and place these texts in a meaningful context, which helps develop critical, historical and literary sensitivities. Throughout the course, students consider themes in the context of ancient literature and bring these works to life through classroom discussions, debates and presentations. Additional English readings from both of these works help place the Latin readings in a significant context. This course is designed for students who have completed four years of Latin or at the recommendation of the instructor.

**Prerequisite:** 83% in Honors Latin IV and departmental approval • 1 credit

## **SPANISH I**

Spanish I emphasizes integration of the five National World Language Standards - Communication, Cultures, Connections, Comparisons and Communities- from a biblical perspective. Spanish I introduces the Spanish language and its culture as students learn and perform the most basic functions of the language. Emphasis is on development of listening, speaking, reading and writing within a given context, extending outside the classroom setting when possible. A general introduction to the culture - its products (literature, laws, foods, games), perspectives (attitudes, values, beliefs), and practices (patterns of social interaction) – is integrated throughout the course. Students acquire insight into how languages and cultures work by comparing the second language and culture to their own.

**Prerequisite:** None • 1 credit

## **SPANISH II**

Spanish II emphasizes integration of the five National World Language Standards - Communication, Cultures, Connections, Comparisons and Communities - from a biblical perspective. Spanish II continues developing the skills of listening, speaking, reading and writing as students participate in simple conversational situations by combining learned elements of the language orally and in writing. Students are provided additional time to strengthen skills and understanding of concepts first learned in Spanish I and are exposed to new skills and concepts as sequentially appropriate. They compose simple sentences to narrate, describe, compare and summarize familiar topics from the Spanish culture. They also use the language to communicate basic survival needs and interact on everyday issues inside and outside the classroom setting. Students expand their understanding of the similarities and differences between their own culture and language and those of Spanish-speaking countries. The class is conducted in Spanish and in English.

**Prerequisite:** Spanish I and sufficient score on year end department placement test • 1 credit

## **HONORS SPANISH II**

Honors Spanish II emphasizes integration of the five National World Language Standards - Communication, Cultures, Connections, Comparisons and Communities - from a biblical perspective. Spanish II Honors continues developing the skills of listening, speaking, reading and writing as students participate in simple conversational situations by combining learned elements of the language orally and in writing. They compose sentences that narrate, describe, compare and summarize familiar topics from the Spanish culture. They also use the language to communicate basic survival needs and interact on everyday issues inside and outside the classroom setting. Students expand their understanding of the similarities and differences between their own culture and language and those of Spanish-speaking countries. The class is conducted predominantly in Spanish and will explore content at a deeper level.

**Prerequisite:** 90% in Spanish I and departmental approval  
• 1 credit

## **SPANISH III**

Spanish III emphasizes integration of the five National World Language Standards - Communication, Cultures, Connections, Comparisons and Communities - from a biblical perspective. Spanish III builds upon the foundation of listening, speaking, reading and writing skills begun in levels I and II. Students respond to and maintain face-to-face communication in Spanish. They identify main ideas and significant details in discussion, presentations and written texts and interpret authentic materials. At the conclusion of the course they are able to present a simple plan of salvation in writing. The class is conducted predominantly in Spanish.

**Prerequisite:** Spanish II • 1 credit

## **HONORS SPANISH III**

Honors Spanish III emphasizes integration of the five National World Language Standards - Communication, Cultures, Connections, Comparisons and Communities - from a biblical perspective. Students respond to and maintain face-to-face communication in Spanish and are assessed at the intermediate level. They identify main ideas and significant details in discussion, presentations and written texts. The class is conducted in Spanish. Student progress is monitored using ACTFL National Proficiency guidelines for intermediate learners.

**Prerequisite:** 90% in Spanish II or 83% in Honors Spanish II and departmental approval • 1 credit

### **HONORS SPANISH IV**

Honors Spanish IV emphasizes integration of the five National World Language Standards - Communication, Cultures, Connections, Comparisons and Communities - from a biblical perspective. Spanish IV Honors focuses on enabling students to communicate in writing and in extended conversations on a variety of topics. Students use complex grammatical structures as they narrate, discuss and support ideas and concepts with concrete facts. At the conclusion of the course, students are required to give their testimony in writing in Spanish using Biblical references. Students may take the SAT II written component and will participate in the National Spanish Exam. The class is conducted in Spanish.

**Prerequisite:** 90% in Spanish III or 83% in Honors Spanish III and departmental approval • 1 credit

### **ADVANCED PLACEMENT SPANISH LANGUAGE AND CULTURE**

Advanced Placement Spanish Language and Culture explores the six AP curriculum themes: Families and Communities, Science and Technology, Beauty and Aesthetics, Global Challenges, Contemporary Life and Personal and Public Identities. Through analysis and communication of these themes, students attain advanced levels of ability in listening, speaking, reading, writing and cultural competence. Students are graded according to the AP scale, in conjunction with the ACTFL performance standards for intermediate high/advanced low learners. The class is conducted exclusively in Spanish.

**Prerequisite:** 83% in Honors Spanish IV and departmental approval • 1 credit

### **ADVANCED PLACEMENT SPANISH LITERATURE**

Advanced Placement Spanish Literature is a survey course of Peninsular and Latin American literature. The course focuses on critical reading and writing in Spanish. Students will become familiar with major literary movements and the philosophies behind them, as well as the major authors who exemplify each. They will study how language is connected to and shaped by the history, cultural practices and values of those who speak it, as reflected in the literature of Hispanic peoples. As a part of the course, students are expected to acquire the terminology of literary analysis in Spanish, discuss and criticize literature in writing, and refine general skills in speaking and writing Spanish. The class is conducted as an independent study course.

**Prerequisite:** 83% in Honors Spanish IV, 83% in Advanced Placement Spanish Language and Culture departmental approval • 1 credit

# BIBLICAL STUDIES

Grade 9	Grade 10	Grade 11	Grade 12
Old Testament Survey	New Testament Survey	Christian Theology and World Religions	Christian Philosophy and Apologetics

## OLD TESTAMENT SURVEY

Old Testament Survey covers the historical flow of the Old Testament. The aim is to acquaint each student with the background, content, message throughout the Old Testament, and also to study the unity of all the books in the progress of revelation and redemption. At the completion of this course, students will be able to list the basic facts regarding the historical background, theme and content, understand creation theories, describe Israel's geography and the location of important historical sites and apply the Old Testament's message to our modern cultural context.

Freshman requirement • 1 credit

## NEW TESTAMENT SURVEY

New Testament Survey is an overview of the books of the New Testament. Students will learn about the validity of the Scriptures, the geography of Bible lands, the life of Messiah Jesus, the actions of Jesus' first disciples and lessons found in the letters. Some questions discussed include: Who is God? What does it mean to be a disciple of Jesus? What is real love? What is eternal life? What is the best way to live? What does it mean to have a biblical worldview?

Sophomore requirement • 1 credit

## CHRISTIAN THEOLOGY

Christian Theology seeks to answer the question, "What is a Christian?" Students will learn to answer this question as we survey the essential doctrines of the Christian faith. They will acquire the ability to properly articulate biblical doctrines including the doctrines of God, Scripture, Angels, Humanity, Sin, Atonement, the Trinity, Incarnation, Salvation, End Times and the Afterlife. The course uses both systematic and historical theology. Students will learn about church history from the NT period through the Reformation. Throughout the course, special attention is given to train students to define, defend, apply and share the historic Christian faith.

Junior requirement • .5 credit

## WORLD RELIGIONS

This course trains and equips students to analyze and evaluate the truth-claims of other faith systems using both Scripture and reason. They will learn the origin, historical development and basic doctrines of other religions as well as how to interact with people from these faiths and to share Christ with them intelligently, lovingly and with respect. The course is a critical examination of ancient religions, Eastern Religions (including Hinduism and Buddhism), Judaism and Islam. Students will also learn to identify a cult as we survey Mormonism and Jehovah's Witnesses.

Junior requirement • .5 credit

## CHRISTIAN PHILOSOPHY AND APOLOGETICS

Christian Philosophy and Apologetics focuses on the study of apologetics as students discover a rational basis for their faith, face their doubts and questions and strive toward a close relationship with Christ. Substantial time is spent laying a foundation whereby students may see the role of the mind in their relationship with our Creator and Lord. The relationship between faith and reason is discussed and the philosophical underpinnings of Christianity are investigated. Students are challenged to take a critical look at the worldviews that permeate the cultures of this world. Throughout the year, students are encouraged to make the Christian faith their own, no longer relying on others for their justification of belief. This class culminates in an extensive paper in which the students give their personal statement of faith.

Senior requirement • 1 credit

# STEM

## (Science, Technology, Engineering, and Mathematics) Courses

In addition to our science and math courses, we have the following science, technology and engineering elective courses that make up our STEM program.

### COMPUTER SCIENCE

The course introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. Students will gain knowledge in digital representations of data and programming and app design using JavaScript and Python.

**Prerequisite:** None; open to grades 9-12 • .5 credit

### ADVANCED PLACEMENT COMPUTER SCIENCE

Advanced Placement Computer Science introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information and the analysis of potential solutions. The course emphasizes object-oriented programming and design using the Java programming language.

**Prerequisite:** Completion of or concurrent enrollment in Pre-Calculus Honors and/or departmental approval • 1 credit

### ARCHITECTURAL DESIGN

This one semester course introduces students to the fundamentals of Google Sketchup and AutoCAD software commonly used in the architectural or engineering industries. Students will become familiar with these programs, drawing techniques and design. This course focuses on residential architecture.

**Prerequisite:** None; open to grades 9-12 • .5 credit

### DIGITAL MEDIA

In this course, students will dive into the creative worlds of Adobe Photoshop and Adobe Illustrator to learn basic to intermediate graphic media principles. This hands-on course will provide students the opportunity to learn from experienced users of both Photoshop and Illustrator. This course will count towards the fine arts requirement for graduation.

**Prerequisite:** None; open to grades 9-12 • .5 credit

### ENGINEERING I

Engineering I is a hands-on, project-based course where students apply the engineering design process to solve problems. Students will apply math, science and engineering standards to bring their designs through the stages of product development. They will use 3D modeling software, a digital engineering notebook, and 3D printers, to work on both individual and collaborative projects

**Prerequisite:** None; open to grades 9-12 • .5 credit

### ENGINEERING II

Engineering II continues the development of the engineering design process in students to solve real world problems and bring ideas to life. Students will learn STEM principles, while using problem-based learning, and working in a collaborative environment. Topics of engineering include mechanisms, strength of materials and structures, automation and kinematics. Students will create real products to analyze and test. Students will have the opportunity to use creativity, prove their concepts and promote their ideas to their peers.

**Prerequisite:** Engineering I • .5 credit

### IKNIGHTS

The iKnights Tech Force is a student-run help desk support program. The goal of iKnights Tech Force is to expand our school's technology integration and proficiency. Students will take a leadership role in developing the technology support structures and resources for both students and teachers. This will be accomplished through basic tech troubleshooting, assisting teachers and students with tech integration, creating support for foundational apps, and providing tech news and updates.

**Prerequisite:** Departmental Approval • .5 credit

# FINE ARTS Visual Arts

## ART I

Art I is a basic introduction to visual art concepts and art-making techniques. Students will use various art mediums and methods to create drawings, paintings, graphic designs and ceramic pieces. Projects will be based on an understanding and use of the basic “Elements of Art” and “Principles of Design.” Developing the ability to see artistically and to solve visual problems creatively will also be emphasized.

**Prerequisite:** None; open to grades 9-12 • .5 credit

## ART II

Art II is for students who have had some art experience and who wish to further develop their art making practice. This year-long class focuses on the creative development of student’s artistic skills as well as understanding of process and contextual art history. Projects explore a range of techniques, materials, and subject matters and include two and three-dimensional creations.

**Prerequisite:** Art I and/or departmental approval • 1 credit

## HONORS STUDIO ART

Honors Studio Art is a year-long advanced level studio art class that is a precursor to AP Studio Art. Students will further develop their artistic skills and knowledge through drawing, painting, collage, 3D, printmaking and digital artwork integration. They will further refine traditional skills while exploring experimental mediums and developing a portfolio of quality artwork. There is a higher caliber and complexity of work required in Honors Studio Art as artists begin to discover their personal artistic style and voice.

**Prerequisite:** Art II and departmental approval • 1 credit

## ADVANCED PLACEMENT ART AND DESIGN

The Advanced Placement Art & Design program is for eligible juniors and seniors who are highly motivated and committed to creating college level work in one of three areas of focus: 2D Art & Design, 3D Art & Design or Drawing. This course requires students to create and submit a portfolio of 2D art, 3D art or drawings according to specific AP guidelines along with sophisticated written documentation of the inquiry based exploration process. Classwork and homework are almost entirely student driven as students work independently on a theme of their choice with regular faculty coaching as well as self, peer and teacher assessments. Work for this course begins in the summer so that students have time to create and submit a completed portfolio to the College Board for an AP evaluation and score. This course may be repeated for credit.

**Prerequisite:** Honors Studio Art and/or departmental approval • 1 credit

## ADVANCED PLACEMENT ART HISTORY

Advanced Placement Art History explores the history of art across the globe from prehistory to the present, examining the relationship of art to various cultures and time periods. Students utilize technology to travel through time and analyze works of art through observation, discussion, reading and research. Nightly readings, classroom dialogue and regular assessments prepare students for success on the AP Art History exam while enriching their lives to be cultured global citizens with informed, robust, Christ-centered perspectives.

**Prerequisite:** none; open to grades 10-12 • 1 credit

## DIGITAL PHOTOGRAPHY

Digital Photography introduces students to the fundamentals of digital photography. These include camera operation, exposure techniques and concepts of effective visual composition. Projects will emphasize development of an awareness of our visual environment. Various subjects will be photographed in creative and innovative ways to help students go beyond the “point and shoot” level of digital photography. Students must supply their own digital SLR camera with standard lens and image transfer equipment and bring it to class daily.

**Prerequisite:** none; open to grades 9-12 • .5 credits

## 3D ART AND DESIGN

3D Art & Design is a project based class that introduces students to 3-dimensional design principles. Students will work hands-on to create 3-dimensional forms using a variety of techniques and materials including but not limited to clay, plaster, wire, metal, wood, cardboard, textiles, architectural models, fashion design and found objects. In addition to developing technique, style, and point of view, students will explore historical, aesthetic and cultural aspects of 3-dimensional artwork.

**Prerequisite:** None; open to grades 9-12 • .5 credit

## DIGITAL MEDIA

In this course, students will dive into the creative worlds of Adobe Photoshop and Adobe Illustrator to learn basic to intermediate graphic media principles. This hands-on course will provide students the opportunity to learn from experienced users of both Photoshop and Illustrator. This course will count towards the fine arts requirement for graduation.

**Prerequisite:** None; open to grades 9-12 • .5 credit

# FINE ARTS Music

## INTRODUCTION TO MUSIC THEORY

Introduction to Music Theory is designed to give students a foundation of knowledge and understanding in music theory, and will be useful for students who are interested in vocal or instrumental music. This class will serve as a prerequisite to AP Music Theory. Students will study topics such as: melody (how to read notes), rhythm (how to count music), scales (major/minor keys) chords (what makes a chord), history (composers and musical periods).

**Prerequisite:** None; open to grades 9-12  
• .5 credit

## HONORS CHAMBER ENSEMBLE

Chamber Ensemble Honors is a performance-based class for string, woodwind and brass players that enables students to develop their instrumental performance technique and musicianship as a service to the school and as a ministry for God's glory. This ensemble performs grade level appropriate chamber music repertoire from all eras of music history. Daily coursework focuses on developing fundamentals of classical performance technique with a focus on independent musicianship, musical leadership and musicality. This course is a full year class that meets during zero hour. Performance and rehearsals outside of school hours will be required. Students must be in good standing in the Wind Ensemble or Orchestra to participate in Chamber Ensemble.

**Prerequisite:** Departmental approval  
• .5 credit

## HONORS JAZZ BAND

Jazz Band Honors is a performance-based class that enables students to develop their instrumental performance technique and musicianship as a service to the school and as a ministry for God's glory. This ensemble performs grade level appropriate jazz repertoire including swing, Latin, rock and funk.

Daily coursework focuses on developing fundamentals of jazz performance technique with a focus on rhythm, style and improvisation. This course is a full year class that meets as a zero hour course. Performance and rehearsals outside of school hours will be required. Jazz students must be in good standing in the Wind Ensemble to participate in Jazz Band. Students who play a rhythm section instrument (keyboard, bass, guitar) are not required to be enrolled in Wind Ensemble and may register for the class pending an audition and/or department approval. A placement audition may be required of all students to determine instrumentation and part assignments.

**Prerequisite:** Departmental approval  
• .5 credit

## ADVANCED PLACEMENT MUSIC THEORY

Advanced Placement Music Theory is academically-oriented, requiring students to read, analyze, discuss, and create music, as well as to apply techniques of the baroque-classical era to modern music. Students learn the system of notation used in classical music and discern keys, meters, note names and rhythms. They understand the construction and relationships of major and minor scales, identify related key signatures, identify intervals and chords used in classical music and construct these intervals and chords from a given note. Students also develop skills of melodic, rhythmic and harmonic discernment and dictation. They increase their pitch recognition and music memory and use these skills to scribe music played for them.

**Prerequisite:** Intro to Music Theory and/or departmental approval • 1 credit

## HONORS ORCHESTRA

Honors Orchestra is a performance-based class that enables students to develop their instrumental performance technique and musicianship as a service to the school and as a ministry for God's glory. This ensemble performs grade level appropriate repertoire for concerts, chapels and special events both at school and in the community. Daily coursework focuses on developing the fundamentals of performance technique and ensemble playing such as tone, intonation, balance, rhythm and musicality. Elements of music theory and music history are also taught in this class as they relate to the literature being performed. Students wishing to enroll in Honors Orchestra must demonstrate grade appropriate mastery of fundamental technique on their instrument as well as grade appropriate music reading skills. Performances and rehearsals outside of the regular class time are occasionally required.

**Prerequisite:** Departmental approval/  
instrument proficiency • 1 credit

## DIGITAL MUSIC I

In this course the focus will be on learning the fundamentals of Music Production using GarageBand® for Mac. The student will learn and develop skills in composing, recording and mixing. Students will develop an understanding of technology's role in today's music industry and how this technology can be used to further enhance each student's musical interests and skills.

**Prerequisite:** None; open to grades 9-12  
• .5 credit

## DIGITAL MUSIC II

Using Ableton Live® and Logic ProX® software for music creation and performance, this class will continue the focus on song composition, recording, and mixing. Students will also work on beat production and sequencing and will see how Ableton can be used as a live performance instrument. Through Live's MIDI capabilities, effects, and audio warping possibilities, students will be able to create and share their music in the most efficient way.

**Prerequisite:** Digital Music 1 and departmental approval • .5 credit

## AUDIO PRODUCTION

Audio Production provides students interested in the production side of the Fine Arts the opportunity to learn more about audio, video, and technical skills and techniques. Sound design, audio mixing, and video editing are some of the topics to be focused on during this semester long class. Audio Production focuses on project-based units of study as a means of equipping students with viable audio engineering skills that can be applied beyond the walls of the classroom.

**Prerequisite:** None; open to grades 9-12 • .5 credit

## MUSIC HISTORY

## CHOIR

Upper School Choir, which meets during the school day, provides a place for students to learn the foundation of skills needed for choral music. Students will study a varied repertoire of choral literature representing different historical periods, styles and cultures. This course is an introduction to choral singing, performance techniques, and music literacy, which includes reading music at sight and basic theory skills. This ensemble will require some performances and rehearsals outside of the regular school day.

**Prerequisite:** None • .5 credit per semester (may be taken year-long for 1 credit)

## HONORS CHOIR

Honors Choir is a performance-based class for experienced singers that enables students to develop their vocal performance technique and musicianship as a service to the school and as a ministry for God's glory. This ensemble performs grade level appropriate repertoire for concerts, chapels and special events both at school and in the community. Daily coursework focuses on developing the fundamentals of performance technique and ensemble singing such as tone, intonation, balance, rhythm and musicality. Elements of music theory and music history are also taught in this class as they relate to the literature being performed. Students wishing to enroll in Honors Choir must demonstrate grade appropriate mastery of fundamental vocal technique as well as grade appropriate music reading skills. Performances and rehearsals outside of the regular class time are occasionally required.

**Prerequisite:** Audition • .5 credit

## INTRODUCTION TO GUITAR

This class is designed for beginners on the guitar or players who would like to fill in the gaps in their basic overall knowledge of the instrument. It is not designed for those who have extensive study (several months of private instruction). Students will begin playing right away with proper playing position. This course will cover instrument knowledge, individual strings, basic techniques, simple chords, strumming, basics of finger-style

technique, reading music (standard notation) and concepts in music theory that can be used to read and write music. Music played in this class will be drawn from classical, contemporary christian, American popular and folk styles. Students are responsible for providing 1. Their own acoustic instrument, with nylon or steel strings, in good playing condition. 2. Electronic tuner, and guitar picks. Note: Electric only guitars are not conducive to this class.

**Prerequisite:** None; open to grades 9-12 • .5 credit

## VOCAL TECHNIQUE

This course focuses on developing proper vocal technique, which is then applied to various genres such as pop, jazz, folk, musical theatre and art song. Emphasis is placed on healthy singing technique and vocal pedagogy. Students receive training in private voice lessons, group master classes, class performance and a final recital performance. This course can count towards the fine art requirement or the speech requirement for graduation.

**Prerequisite:** None; open to grades 9-12 • .5 credit

## HONORS WIND ENSEMBLE

Honors Wind Ensemble is a performance-based class that enables students to develop their instrumental performance technique and musicianship as a service to the school and as a ministry for God's glory. This ensemble performs grade level appropriate repertoire for concerts, chapels, and special events both at school and in the community. Daily coursework focuses on developing the fundamentals of performance technique and ensemble playing such as tone, intonation, balance, rhythm and musicality. Elements of music theory and music history are also taught in this class as they relate to the literature being performed. Students wishing to enroll in Honors Wind Ensemble must demonstrate grade appropriate mastery of fundamental technique on their instrument as well as grade appropriate music reading skills. Performances and rehearsals outside of the regular class time are occasionally required.

**Prerequisite:** Departmental approval/instrument proficiency • 1 credit

# FINE ARTS Film/Theatre

## INTRODUCTION TO ACTING

Introduction to Acting is a one-semester course that focuses on building a strong ensemble of students. The course will inherently build self-confidence while strengthening presentation skills and developing the young actor. This will be accomplished by exploring the three tools of the actor (body, voice and mind) through pantomime, improvisation, characterization, script analysis and scene work. The class is participatory in nature with a memorized scene as the culminating project. This course can count towards the fine art requirement or the speech requirement for graduation.

**Prerequisite:** None; open to grades 9-12 • .5 credit

## INTERMEDIATE ACTING

Intermediate Acting is a semester course that is designed for the student who either has theatrical experience and/or has successfully completed Introduction to Acting. The student will delve deeper into acting training through a series of exercises and improvisations that further explore characterization and scene work. The course will also explore different styles of theatre and teach audition techniques. The culmination will be a one-act play. This course can count towards the fine art requirement or the speech requirement for graduation.

**Prerequisite:** Introduction to Acting and/or departmental approval • .5 credit

## HONORS ACTING STUDIO (ACT 1)

ACT I is an honors-level acting troupe is comprised of students who have a passion for acting and a strong work ethic. Entrance into the class is through audition. The ideal candidate is someone who has at least completed Introduction to Acting. During the year, students have the opportunity to perform in a variety of venues such as Windy Gap, a dinner theatre and chapels. They will also compete in the N.C. Thespian Conference, Christian in Theatre Arts Festival and N.C. Thespian Festival. When not preparing for performances, the students work on various acting methods. This course can count towards the fine art requirement or the speech requirement for graduation.

**Prerequisite:** By audition only (Actors) or Interview (Tech Theatre track). • 1 credit

## INTRODUCTION TO FILM PRODUCTION

In this semester course, students will learn the basics of how to write, plan, shoot, and edit various video content. This hands-on course will explain how to shoot news anchors, interviews, music videos and short films. Students will become proficient in basic camera handling, script writing using Celtx® software and editing on Final Cut®.

**Prerequisite:** None; open to grades 9-12 • .5 credit

## FILM STUDIES

The purpose of this course is to educate students on the making, history and language of films. In addition to learning about roles in filmmaking, students will learn to look beyond the story and see how film uses its images appropriately to create desired effects within audiences. Throughout the semester, students will watch and write about several films that have importance in the history of movies. Students will also see how films are used to communicate a director and writer's worldview.

**Prerequisite:** None; open to grades 9-12 • .5 credit

## TECHNICAL THEATER

This course is designed to give the student a working knowledge of the technical aspects of theater. The course will include work with scenic design, set construction, painting, property design and construction, lighting, sound engineering, costume and make-up design, stage management and dramaturgy. Although this is primarily a hands-on-class, research and projects will also be a part of the course. The student will also be required to work on some productions that will extend beyond the school day.

**Prerequisite:** None; open to grades 9-12 • .5 credit

## DANCE

Dance is a semester elective course designed to allow students to learn about a variety of dance genres from around the world and will provide opportunities for students to practice various dance skills and techniques. This class can count toward a Physical Education credit or a Fine Arts Credit and is open to all students and abilities. Students may take this class multiple times, but only a total of one credit (two semesters) may be applied toward graduation requirements. This class will be evaluated with a pass/fail grade only.

**Prerequisite:** None, Open to grades 9-12 • .5 credit

# PERSONAL DEVELOPMENT

## **BUSINESS I**

Introduction to Business provides a foundation for business education by exploring issues and principles of finance, marketing, entrepreneurship, communications, management, economics, leadership and human resources. Students also study profiles of business leaders, challenges in the business world and real-life business scenarios.

**Prerequisite:** Algebra I; scheduling priority given to students in grades 10-12 • .5 credit

## **BUSINESS II**

This course is a second level class that goes deeper into the business fundamentals of finance, accounting, marketing, management and human resources. Additionally, students will learn about the basics of personal finance that will help prepare them for college and beyond.

**Prerequisite:** Complete Intro to Business; open to grades 11-12 • .5 credit

## **GIRLS' LEADERSHIP**

This class will focus in-depth on the nature of Christian leadership with a particular focus on leadership styles, the dynamics, and skills of leadership, specifically the unique qualities of female leadership. Students in the class will explore interpersonal skills and the importance of using their spiritual gifts to be a servant leader. Topics/issues addressed in the class will include the personal development of the leader, the roles and responsibilities of the leader, coaching and mentoring and conflict resolution principles. The curriculum will highlight strong female leaders in history and the Charlotte community. This class is open to girls in grades 9-12.

**Prerequisite:** None; open to grades 9-12 • .5 credit

## **INTRODUCTION TO PUBLIC SPEAKING**

Introduction to Public Speaking teaches a better understanding of the art of public speaking and improves each student's skill in that arena. The course is designed to meet students where they are in their ability level. The coursework will include but not be limited to, theater games, lively group discussion, the skill of using PowerPoint in speeches and several in-class presentations each with its own focus. This course will fulfill the speech requirement for graduation.

**Prerequisite:** None; open to grades 9-12 • .5 credit

## **CONFLICT MANAGEMENT**

The conflict management course provides a theoretical overview of the topic including the phases and stages of conflict developed by Pondy in the 1960s. The course will introduce students to the five conflict styles as developed in the Thomas-Kilmann Conflict Mode Instrument. Utilizing these styles, students will gain knowledge about their preferred conflict styles and when to use each style for effective conflict management. Students will gain skills in negotiation, mediation and alternative dispute resolution methods along with a biblical understanding of conflict resolution including forgiveness, reconciliation and recovery.

**Prerequisite:** None; open to grades 9-12 • .5 credit

## **JANUARY TERM**

J-Term occurs the first week of January following Christmas break. The J-Term break makes it possible to offer nontraditional enrichment courses as well as a variety of educational and mission/service trips. Courses include: three and/or six-hour enrichment classes, mission/service/spiritual life trips, and career shadowing (juniors and seniors only.) The purpose of J-Term is to allow students to explore interests not normally covered in the classroom and to develop relationships with teachers in a different setting.

**Prerequisite:** Required for all students • .25 credit

## **JUNIOR SEMINAR**

Junior Seminar is a fundamental aspect of our college prep program. In this discussion-based class, students consider the importance of finding a college that will be a good fit and the skills necessary to succeed at that college. These skills include wise money management and budgeting, effective time management and healthy friendship and dating relationships. Special attention is paid to teaching students to navigate the college years while continuing to grow spiritually. Students finish this class with instruction in the basics of college admission and complete an application essay and activities resume in preparation for submitting admission applications in their senior year. This class is required for all juniors.

**Prerequisite:** Required for all juniors • .5 credit

## LOGIC AND DEBATE

The course trains students how to organize their thoughts correctly and articulate their ideas intelligently. Students will learn the science of forming an argument and the art of communicating it with precision and respect. This course will cover the basics of truth, logic and argumentation which will equip students to recognize the philosophical assumptions and underpinnings of an argument in order to judge its validity. Students will learn to identify formal and informal logical fallacies and how to construct sound syllogisms. There will be ample class time dedicated to in-class debates. All students will have the opportunity to express their skills through debate topics of their choice. This course will fulfill the speech requirement for graduation.

**Prerequisite:** None, Open to grades 10-12 • .5 credit

## PERSONAL FINANCE

Personal Finance is a semester elective course designed to help students develop strategies for effectively managing their money as they prepare for life. The focus of this course will be on biblical principles of stewardship that will make a lasting difference in the lives of our students. Students will learn about the impact of individual choices on occupational goals and real world financial issues. Students will also learn to apply decision-making skills to evaluate career opportunities and set personal goals. The course content is designed to help the learner make wise spending, saving, credit and debt decisions and to make effective use of income to achieve personal financial success.

**Prerequisite:** None, Open to grades 9-12 • .5 credit

## SENIOR STUDY HALL

This study hall is scheduled during the first or fourth period, allowing seniors the privilege to be off campus during this time. There is no instruction during this time; therefore, no grade is awarded nor do they receive credit.

**Prerequisite:** Available to grade 12 • No credit awarded

## STUDY HALL

This is a period in the school day when students are not scheduled for an academic class. Study hall is a quiet structured work environment monitored by a teacher. There is no instruction during this time; therefore, no grade is awarded. Students do not receive credit for study hall.

**Prerequisite:** None • No credit awarded

## TEACHER AIDE

Teacher Aide gives students hands-on experience with routine tasks of a teacher. Students are assigned to a teacher for one class period. This class will be evaluated with a pass/fail grade only.

**Prerequisite:** Available to seniors with approval by the designated teacher • .25 credit

# P.E. & LIFE SKILLS

## LIFETIME FITNESS 9

This course will focus on educating students as to the importance of lifetime physical wellness through aerobic exercise, movement training, nutrition, mental health and strength training. Emphasis will be placed on the assessment and maintenance of physical fitness to improve health and performance. Additional emphasis will be placed upon the application of psychological and sociological concepts, including self-responsibility, positive social interaction and group dynamics in the learning and performance of physical activity. Units of activity will include physical fitness as well as traditional aerobic sports and games.

Freshman requirement • .5 credit

## ATHLETIC CONDITIONING

Athletic Conditioning involves basic exercise for major muscle groups and routines appropriate for developing muscular strength and endurance. The class is open to males and females. Students may take this class multiple times, but only a total of one credit (two semesters) may be applied toward graduation requirements. This class will be evaluated with a pass/fail grade only.

**Prerequisite:** Completion of Lifetime Fitness • .5 credit

## DANCE

Dance is a semester elective course designed to allow students to learn about a variety of dance genres from around the world and will provide opportunities for students to practice various dance skills and techniques. This class can count toward a Physical Education credit or a Fine Arts Credit and is open to all students and abilities. Students may take this class multiple times, but only a total of one credit (two semesters) may be applied toward graduation requirements. This class will be evaluated with a pass/fail grade only.

**Prerequisite:** None, Open to grades 9-12 • .5 credit

# JOURNALISM AND MEDIA STUDIES

## **BROADCASTING** (*Knights Knews*)

Broadcasting educates students on the power and potential of various mass communication strategies. The Knights Knews team creates a magazine that airs weekly to all upper school students and is posted on YouTube on the Knights Knews channel. In addition to the news magazine, students will also learn how to create a broadcasting personality, which they will utilize throughout the school year. Students will be required to learn editing on Final Cut®, and create news stories in words and pictures on Celtx®. An application and video submission is a required part of the audition to be on the Knights Knews team.

**Prerequisite:** Successful completion of Intro to Film Production and departmental approval. • 1 credit

## **YEARBOOK/HONORS YEARBOOK**

Yearbook teaches the art of producing a JK-12 yearbook. The ability to write well and some experience in photography, design and layout are useful for this class. Because of the many deadline pressures involved, students must be organized and responsible. Seniors who have at least one year of experience with serving on the yearbook team may earn an honors credit for their senior year.

**Prerequisite:** Open to 9-12 grade; application required  
• 1 credit

## **INVESTIGATIVE WRITING** (*Lancer Publication*)

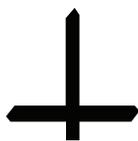
Investigative Writing is designed to give students a solid grounding in the field of journalism and an opportunity to practice these tenets among Charlotte Christian School's upper school community. Students will study the fundamental principles of gathering, writing, reporting, and editing news, then research school topics and write articles by surveying a wide variety of student life. They will then create their own school publication and take ownership of a school social media page to showcase their acquired skills. Creativity and student-driven collaboration is crucial for this course. Students must be highly committed to practicing their writing and interview skills, as well as enthusiastic about upper school student life. This course may be taken for one or both semesters and for multiple years.

**Prerequisite:** Open to grades 10-12 who earn an 83% in English • .5 credit

## **CREATIVE WRITING** (*Clarion publication*)

Creative Writing is designed to give students an opportunity to create, collect and curate outstanding creative pieces from Charlotte Christian School's upper school community. These pieces will be showcased in the Winter or Spring *Clarion* publication and will include short stories, poems, photography and artwork of various mediums. Students will be required to publish at least one of their own pieces, as well as lead sections of the publication process. Students will gain skills understanding the God-given creativity gift each student has, reading selected creative pieces and imitating the author's style and skill, becoming a more professional and creative writer through increased knowledge of grammar, style and ideas and by writing a variety of creative writing pieces. This course may be taken for one or both semesters and for multiple years.

**Prerequisite:** None; open to grades 9-12 • .5 credit



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Charlotte Christian School is a Christ-centered, college preparatory school, equipping and developing students to effectively integrate Biblical truth and learning into their daily lives and to impact the culture for Christ.

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