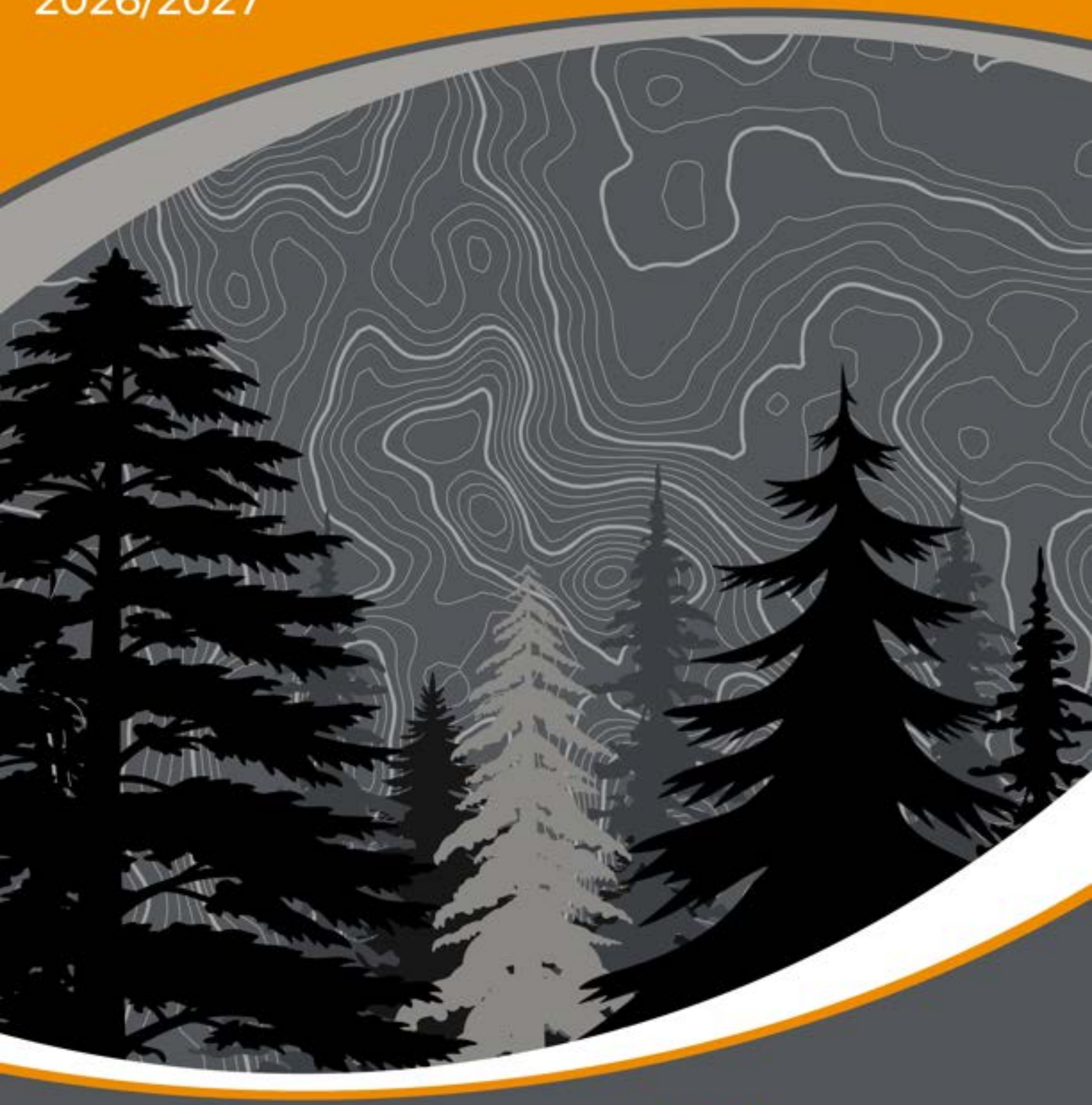


HIGH SCHOOL COURSE CATALOG

2026/2027



FLATIRONS
ACADEMY



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AN INTRODUCTION TO COURSE SELECTION AT FLATIRONS ACADEMY

Dear Flatirons Academy Families,

As a Christian Liberal Arts school, we seek to provide a comprehensively Christian education for our students. In short, we provide a language-based education grounded in the revelation of the Bible that develops a theologically coherent understanding of God and His creation. While every aspect of the student experience is oriented toward this goal, thoughtful selection and completion of coursework in high school plays a primary role in this process.

As a college preparatory program, there is a distinct body of skills and knowledge that students are expected to own in order to thrive in college, in their careers, and as citizens. Traditionally, schools communicate these expectations through graduation requirements. While we do have graduation requirements in alignment with state norms, we are convinced that the best way to approach the journey through high school is by having a grand vision for student engagement.

Each student is fearfully and wonderfully made with individual strengths, interests, and weaknesses. Therefore, our program is designed to provide the essential



AN INTRODUCTION TO COURSE SELECTION AT FLATIRONS ACADEMY

foundations for all students while also creating opportunities for students to lean into their strengths and interests by selecting Trails, advanced offerings, and engaging in multiple co-curricular opportunities. Students and families who have a vision for full engagement in our program throughout the four years of high school have the best experience and the best outcomes.

Thank you in advance for choosing to fully engage the academic offerings at Flatirons Academy as we work to educate and equip the next generation with:

- The ability for wide-ranging, critical reading
- The ability to create cogent, meaningful writing
- The ability to reason logically
- The ability to think theologically
- A coherent personal philosophy that is born out of: Biblical truth, human history, and personal experience
- A life of following Jesus and serving His church

I look forward to celebrating with you on graduation day.

Go Bison!
Jared Wallen
Executive Director

ADVANCED OFFERINGS



All high school courses at Flatirons Academy are College Preparatory. Standardized testing, GPA, and student interest are used to determine placement in available honors courses. Accelerated options are available for qualifying students with administration approval and are defined below.

AP, honors, and honors extension courses are more challenging, therefore, have weighted GPAs (scored on a 5 pt scale).

(H) HONORS

Honors courses are challenging and demanding. The material covered is complex and explored to a greater depth than college preparatory courses. Student expectations in writing and thinking are raised. Students who successfully engage with this coursework will gain advanced literacy skills and knowledge and therefore be better prepared to succeed in upper-level offerings.

(HE) HONORS EXTENSION

In an honors extension course, college preparatory and honors students cohort together. Extension courses dictate higher expectations and offer opportunities for independent reading, inquiry, analysis, and composition.

All 9th-grade honors courses are offered in the honors extension format. Based on enrollment, other honors classes may be offered in honors extension format.

(DC) DUAL CREDIT

Dual credit courses are classes offered at Flatirons Academy in conjunction with Colorado Christian University. Credit is earned at both the high school and college level. Students are required to register with CCU according to their deadline to earn credits. Additional fees apply.

(AP) ADVANCED PLACEMENT®

The Advanced Placement Program® (AP) enables willing and academically prepared students to pursue college-level studies while still in high school. The program consists of college-level courses developed by the AP Program that high schools can choose to offer, and corresponding exams that are administered once a year. By taking AP Exams, students can earn college credit and placement.

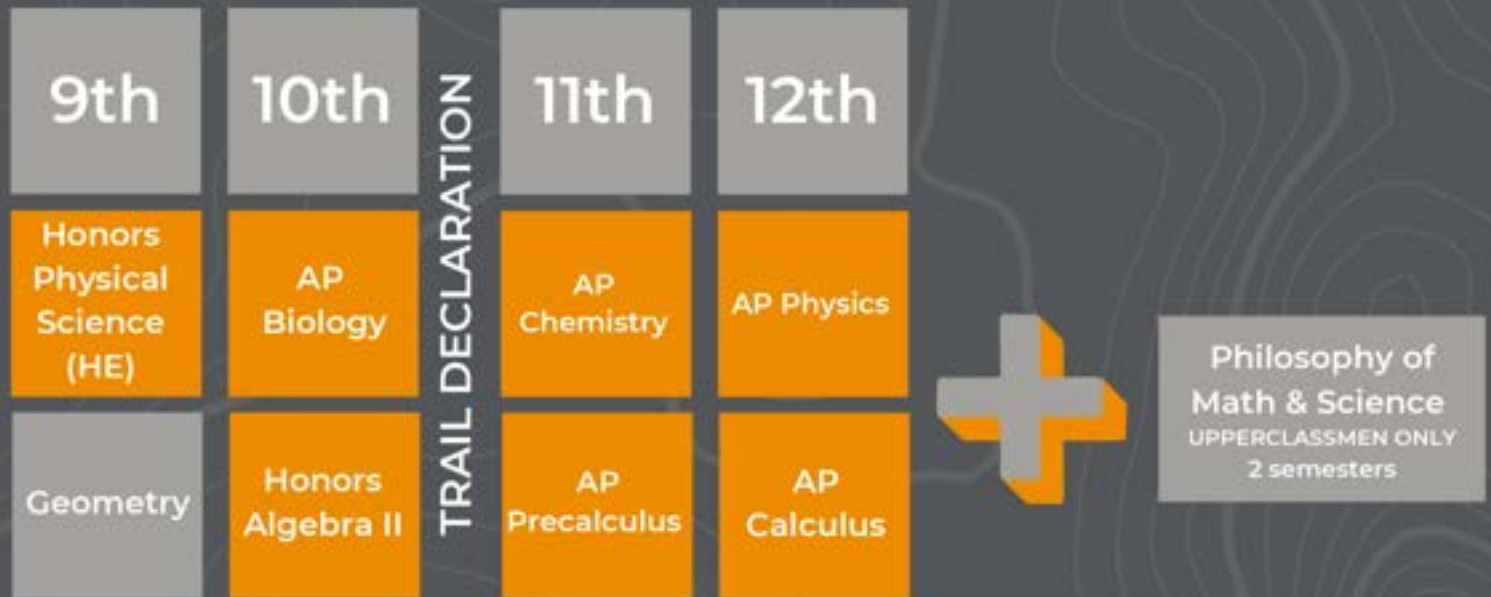
FLATIRONS ACADEMY TRAIL SYSTEM

SOPHISTICATED PURPOSE

TO HELP STUDENTS FULLY ENGAGE AT FLATIRONS ACADEMY, WE PROMOTE OPTIONAL TRAILS THROUGH HIGH SCHOOL DESIGNED TO RESULT IN A MEANINGFUL EXPERIENCE FOR STUDENTS. STUDENTS ARE NOT REQUIRED TO SELECT A TRAIL TO GRADUATE. INTERESTED STUDENTS DECLARE THEIR INTENTIONS AS INCOMING JUNIORS. COMPLETION AND RECOGNITION OF TRAILS HAPPENS AT GRADUATION.

EACH TRAIL, OUTLINED ON THE FOLLOWING PAGES, IS A GUIDE FOR SELECTING COURSEWORK AND PARTICIPATION IN OUR LIBERAL ARTS SEMINARS. AS STUDENTS ACCUMULATE A SOPHISTICATED UNDERSTANDING OF PARTICULAR FIELDS OF STUDY, THEY ARE THEN CHALLENGED TO MAKE THEOLOGICAL CONNECTIONS IN AND THROUGH THIS KNOWLEDGE. THE RESULT IS THE FOUNDATION OF A ROBUST CHRISTIAN WORLDVIEW THAT WILL GUIDE THEM THROUGH COLLEGE, THEIR CAREERS, AS CITIZENS, AND THEIR SERVICE TO THE CHURCH FOR A LIFETIME.

MATH & SCIENCE TRAIL MAP



IDEAL COURSE PROGRESSION

EXPECTED OUTCOMES:

- Understand the Bible as the foundational text for all knowledge and understanding and therefore apply a Biblical worldview to all other fields of study
- Understand and appreciate the underlying logic of mathematics as the language of God's creation
- Understand the physical world as God's general revelation
- Demonstrate knowledge and skill in college-level math and/or science courses

SUCCESSFUL COMPLETION OF THE MATH & SCIENCE TRAIL INCLUDES:

- Minimum of 2*
 - AP Biology
 - AP Physics
 - AP Chemistry
- Minimum of 2*
 - Honors Algebra II
 - AP Precalculus
 - AP Calculus
- Required*
 - Philosophy of Math & Science

HUMANITIES TRAIL MAP

9th	10th	PATHWAY DECLARATION	11th	12th
Fundamentals of Literature	Language & Composition		AP Language & Composition	AP Literature & Composition
Honors Geography (HE) & Honors Civics (HE)	AP World History		AP U.S. History	2 elective history classes
	Intro to Classics		Intro to Psychology	Public Speaking & Creative Writing



The Great Works of Western Civilization
UPPERCLASSMEN ONLY
2 semesters

IDEAL COURSE PROGRESSION

EXPECTED OUTCOMES:

- Understand the Bible as the foundational text for all knowledge and understanding and therefore apply a Biblical worldview to all other fields of study
- Read text, including the Bible, independently and communally for authorial intent and theological inquiry
- Understand History as a record of God's providence and His sovereign relationship with humanity along with the relationships between humans
- Demonstrate knowledge and skill in college-level English and/or History courses

SUCCESSFUL COMPLETION OF THE HUMANITIES TRAIL INCLUDES:

Minimum of 1

- AP Language & Composition
- AP Literature & Composition

Minimum of 1

- AP World History
- AP US History

Minimum of 2

- Any Public Speaking course
- Creative Writing Workshop
- Intro to Psychology
- Intro to Classics or Latin I

Required

- The Great Works of Western Civilization
- 4 History Credits

CULTURAL ENGAGEMENT TRAIL MAP

Elective-based route or
Flatirons sports-based route.



IDEAL COURSE PROGRESSION

EXPECTED OUTCOMES:

- Understand the Bible as the foundational text for all knowledge and understanding and therefore apply a Biblical worldview to all other fields of study
- Understand the implications of the Cultural Mandate in modern society
- Embody culture building and leadership through extensive engagement in Flatirons Academy programs

SUCCESSFUL COMPLETION OF THE CULTURAL ENGAGEMENT TRAIL INCLUDES:

Minimum of 1

- 6 seasons of Flatirons sports participation
- 3 full years of participation in Band or Choir

Required

- Fulfilling the Cultural Mandate
- 26 academic credits (not including sports)
- Minimum of 3 years of participation in societies

Optional LEADERSHIP DISTINCTION

Minimum of one

- 1 year serving as an officer in NHS
- 1 year as a committee leader in SALT

RENAISSANCE SCHOLAR TRAIL MAP



DECLARE & COMPLETE
ANY 2 TRAILS:

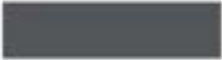
- ☐ MATH & SCIENCE TRAIL
- ☐ HUMANITIES TRAIL
- ☐ CULTURAL ENGAGEMENT TRAIL

FLATIRONS ACADEMY GRADUATION REQUIREMENTS

Required Credits	Department	Notes
4.0	Theology	Or 1.0 credit per year attending Flatirons Academy
4.0	English	
3.0	Mathematics	Must include: * Algebra I (1.0) 4.0 credits strongly recommended
3.0	Science	Must include: * Biology (1.0) 4.0 credits strongly recommended
3.0	History	Must include: * World History (1.0) * US History (1.0)
1.0	World Language	
1.0	Arts & Technology	
1.0	Physical Education	1 sport season = 0.5 credits
1.0	Liberal Arts Seminar	<i>Or 0.25 credits per year attending Flatirons Academy</i>
3.0	Electives	Approved courses taken above the departmental required credits will apply toward this requirement.
24.0	TOTAL	Minimum number of credits required to graduate

A banner image for the Theology Department. It features a grayscale photograph of an open book, likely a Bible, resting on a surface. In the background, a cityscape with numerous buildings is visible under a hazy sky. The text 'Theology Department' is overlaid in a large, white, serif font. To the left of the banner is a solid orange vertical bar. To the right is a solid gray square.

Theology Department



PROGRAM OVERVIEW

All things were created through Christ and for Christ, in whom all things hold together. Therefore, theological study is not just another subject but rather the “queen of sciences” – the source of all truth that unifies and properly orients all understanding. In high school, students begin by gaining in-depth literacy of both the Old and New Testaments. Equipped by the study of the Word, upperclassmen engage in systematic conversations within the Church to then apply a Biblical worldview in their personal and public lives as they navigate a post-Christian culture. Our goal is that our students be like a tree planted by streams of water, and that they be transformed by the renewing of their minds, both now as students and as they live as followers of Jesus and servants of His Church.



DEPARTMENT OUTCOMES

- Understand the Bible as the foundational text for all knowledge and understanding and therefore apply a Biblical worldview to all other fields of study
- Demonstrate Biblical literacy including thorough knowledge and understanding of both the Old and New Testaments, orthodox methods of interpretation, and application of the text to their lives
- Demonstrate the knowledge and skills of systematic theology
- Demonstrate the knowledge and understanding of a Christian worldview based on the implicit philosophical foundation of the Bible to engage in cultural application, apologetics, and ethics
- Embody a proper relationship with God through corporate worship, prayer, and hearing of God’s word through chapel

GET WISDOM; GET INSIGHT; DO NOT FORGET, AND DO NOT TURN AWAY FROM THE WORDS OF MY MOUTH. DO NOT FORSAKE HER, AND SHE WILL KEEP YOU; LOVE HER, AND SHE WILL GUARD YOU.

PROVERBS 4:5-6

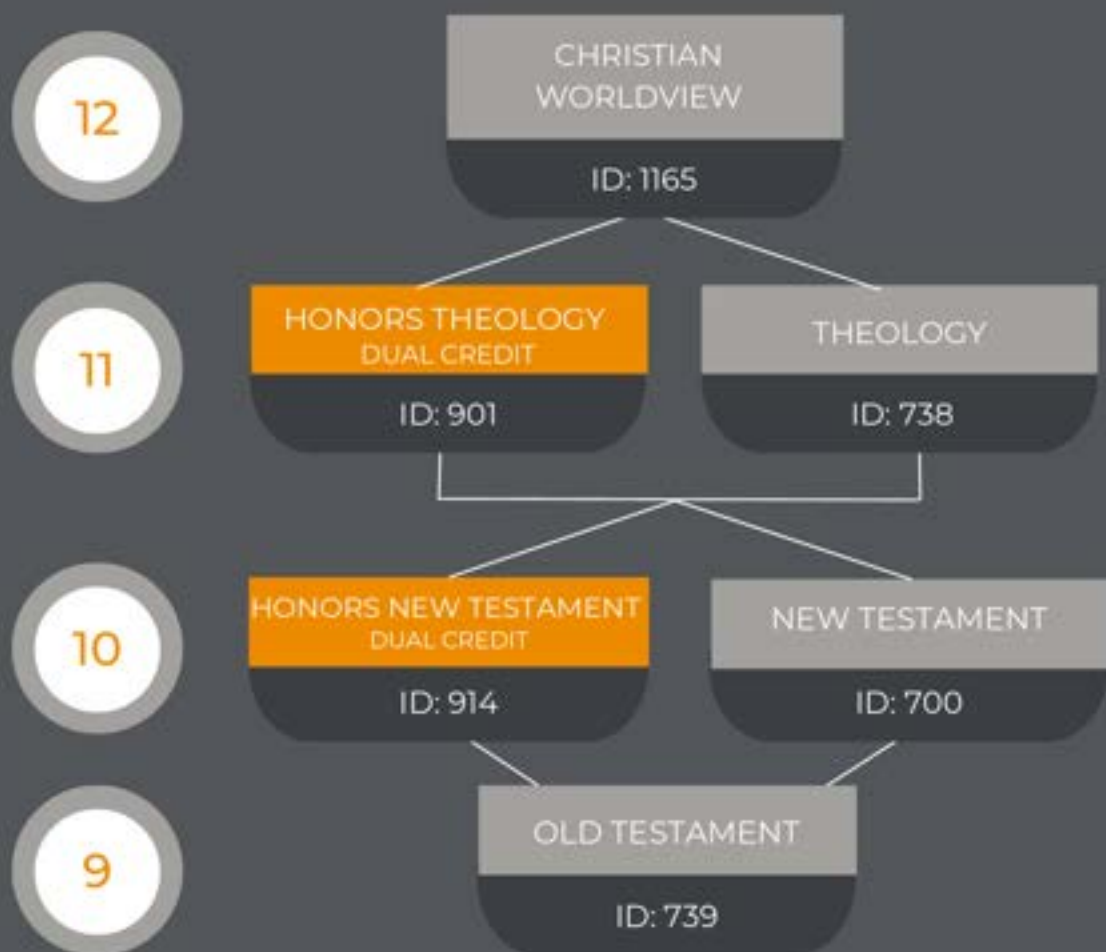


THEOLOGY PROGRESSION

Flatirons Academy high school students take a full credit of theology for each year enrolled. When available, students will be able to elect an honors or honors extension option. Honors and Honors Extension Theology courses are also concurrent enrollment with Colorado Christian University (when available). An additional fee for dual enrollment is required.

Honors-level theology courses do not have prerequisites (i.e., with administration approval, students may opt for an honors-level theology course any year).

Class of 2025 will take Theology senior year.





OLD TESTAMENT

09 THEO OT
CREDIT: 1.0 (2 SEMESTERS)

ID: 739
GRADE: 9

Old Testament is a chronological survey of the first 39 books of the Bible. Students learn the meta-narrative of the Old Testament and how it is foundational to the New Testament. Historical and cultural context are examined as a means to better understand the text with a focus on covenants and their significance. Students are challenged to interpret passages using a four step approach that brings the core truth of this ancient primary source to a modern application and audience.

NEW TESTAMENT

10 THEO NT
CREDIT: 1.0 (2 SEMESTERS)

ID: 700
GRADE: 10

New Testament provides an introduction to the theological, historical, and literary features of the New Testament, tracing the presentation of the Gospel message through historical, epistolary, and apocalyptic genres. Special consideration will be given to the life of Christ and the missionary journeys of the Apostle Paul. This course will examine authorship, book outlines, and key themes of each New Testament book. Additionally, key people, places, and

events in the gospels and early church history will be addressed. All of this will be done with a view toward personal application for Christians today.

HONORS NEW TESTAMENT (DC)

10 THEO HON NT
CREDIT: 1.0 (FULL YEAR)

ID: 914
GRADE: 10

Honors NT Survey introduces students to cultural, literary, and/or theological issues pertinent to the Biblical text through interaction with scholarly academic texts addressing Biblical issues. This encourages the ability to comprehend scholarly texts, summarize the texts in one's own words, and discern the Biblical basis of scholarly arguments.

Students are expected to exhibit a right understanding of the text along with a well-reasoned interpretation and application of the text.

DUAL CREDIT THROUGH COLORADO CHRISTIAN UNIVERSITY.
CCU COURSE FEE REQUIRED. 3 COLLEGE CREDITS

THEOLOGY

11 THEO
CREDIT: 1.0 (2 SEMESTERS)

ID: 738
GRADE: 11

Theology encourages students to study God and know Him more. The topic of theology is approached from a systematic framework using Wayne Grudem's Bible Doctrine as a guide.



This course covers key doctrines including Bibliology, Theology Proper, Anthropology, Hamartiology, Christology, Soteriology, Ecclesiology and Eschatology. Students are introduced to these concepts and become familiar with vocabulary and important ideas connected to each one.

HONORS THEOLOGY (DC)

11 THEO HON

ID: 901

CREDIT: 1.0 (FULL YEAR)

GRADE: 11

Honors Theology covers basic issues, themes, and categories of Christian theology, including the doctrines of Scripture, God, humanity, Christ, salvation, the church, and last things. This course encourages students to better know, trust, love, and live by God's Word. Students learn key doctrinal truths concerning the Word of God, God, man, Christ, the application of redemption, the Church, and the future. Students will make connections of key doctrinal truths with specific supporting Scripture verses. Interpretive skills will be applied to draw proper theological conclusions to personal devotional reading. Demonstration of a clear Biblical and theological understanding of each student's Christian responsibility for "good deeds" is an integral part of this course.

DUAL CREDIT THROUGH COLORADO CHRISTIAN UNIVERSITY.

CCU COURSE FEE REQUIRED.

3 COLLEGE CREDITS

CHRISTIAN WORLDVIEW

12 THEO CW

ID: 1165

CREDIT: 1.0 (2 SEMESTERS)

GRADE: 12

Christian Worldview exposes students to the theological, ethical, and historical basis for their faith. This course provides an opportunity to develop and strengthen a reasoned understanding of what it means to call oneself a Christian through close reading of texts, lectures, and interactive discussion. Students demonstrate the implicit philosophical foundations, and cultural applications of a Biblical worldview including apologetics and ethics.



English Department



PROGRAM OVERVIEW

We worship a God who speaks things into existence and who has chosen to show Himself to us, in part, in a book. Therefore, as a bookish people, we seek to maximize our knowledge and skill in language expression as a primary tool for learning across the curriculum. In English classes, all underclassmen rigorously study the skills required for effective composition, rhetoric, and literary analysis. As upperclassmen, they apply and refine these skills by marshaling coherent and persuasive arguments while analyzing the literature of our civilization in reference to the Word. The progression of study is designed to provide personal enjoyment of the Bible, develop truthful story-tellers, and create persuasive and winsome writers.



DEPARTMENT OUTCOMES

- Read text, including the Bible, independently and communally for authorial intent and theological inquiry
- Independently and communally, effectively read a wide variety of increasingly complex text for knowledge, perspectives, wisdom, and enjoyment
- Independently and communally, effectively compose a variety of increasingly sophisticated text for a variety of purposes, discovery, and aesthetic value
- Effectively use speaking and listening for learning

IN THE BEGINNING WAS THE WORD, AND THE WORD WAS WITH
GOD, AND THE WORD WAS GOD.

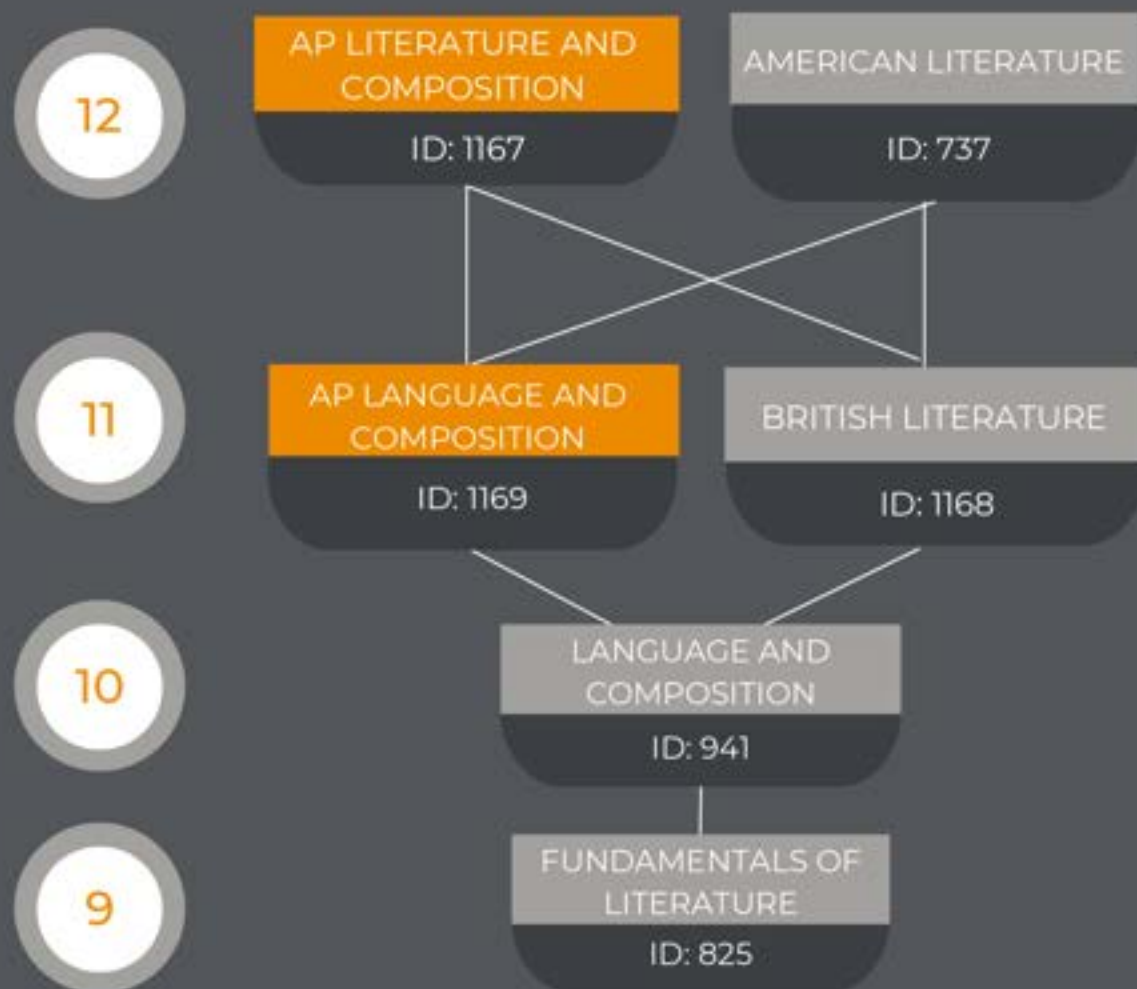
JOHN 1:1



ENGLISH PROGRESSION

9th and 10th grade English courses designed to give all students a foundation in literature and composition in order to be successful in AP classes.

AP English courses do not have prerequisites (i.e., with administration approval, students may opt for an AP English course during junior or senior year).



FUNDAMENTALS OF LITERATURE

09 ENG FOL
CREDIT: 1.0 (2 SEMESTERS)

ID: 825
GRADE: 9

Fundamentals of Literature contains a heavy emphasis on literature and literary analysis, along with research and citation methods. Communication and language are emphasized with the building of presentation skills, knowledge of literary canon vocabulary, opportunities in verbal debate and argument from a literary standpoint, and constant peer discussion.

LANGUAGE AND COMPOSITION

10 ENG LAC
CREDIT: 1.0 (2 SEMESTERS)

ID: 941
GRADE: 10

Language and Composition is a focused study on rhetoric designed to cultivate the reading and writing skills necessary for advanced high school study, post-secondary education, career, citizenship, and life-long self-directed reading and writing. Students will master the skills of close-reading and the application of the Aristotelian Rhetorical Situation while reading multiple genres (essays, speeches, memoirs, extended literary non-fiction, fiction novels, etc...). Students will use the writing process to compose extended processed texts; with a focus

on composing in-class timed writing in rhetorical analysis, argument, and synthesis with effective stylized prose.

AMERICAN LITERATURE

11 ENG AL
CREDIT: 1.0 (2 SEMESTERS)

ID: 1133
GRADE: 11

American Literature focuses on learning how to analyze American literature from the Colonial period to the Contemporary period. Students engage in short readings and excerpts to learn how to learn from and analyze different forms of literature. Four quintessential American novels are read to deepen students' knowledge and appreciation of American literature. Students also learn the skills necessary to write essays at a college level and understand how to craft a well-written essay.

AP LANGUAGE AND COMPOSITION

AP LANG & COMP
CREDIT: 1.0 (2 SEMESTERS)

ID: 1169
GRADE: 11

AP Language and Composition focuses on elements of argument and composition as students develop critical-reading and writing skills. Students read and analyze nonfiction works from various periods and write essays with different aims: for example, to explain an idea, argue a point, or



persuade a reader of something. This is accomplished by students reading closely, analyzing, and interpreting a piece of writing, evaluating a source of information, gathering and consolidating information from different sources, writing an evidence-based argument, and drafting and revising a piece of writing.

BRITISH LITERATURE

12 ENG BL

CREDIT: 1.0 (2 SEMESTERS)

ID: 1168

GRADE: 12

British Literature focuses on learning how to analyze British literature from the origins of the English language to the Contemporary period. Students engage with multiple texts in a survey format with special attention to Shakespeare and other influential authors so students have historical context for literary movements. Students also read multiple full-length novels to deepen their understanding of how authors develop themes and ideas. Students also learn the skills necessary to write essays at a college level and understand how to craft a well-written essay.

AP LITERATURE AND COMPOSITION

AP LIT & COMP

CREDIT: 1.0 (2 SEMESTERS)

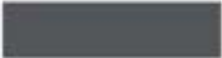
ID: 1167

GRADE: 12

AP Literature and Composition teaches how to understand and evaluate works of fiction, poetry, and drama from various periods and cultures. Students read literary works and write essays to explain and support their personal analysis of these works. To accomplish this, students will read a text closely and draw conclusions from detail, identify the techniques used by an author and their effects, develop an interpretation of a text, and present a personal interpretation and make an argument for it in writing.

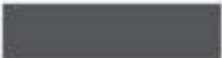


Mathematics Department



PROGRAM OVERVIEW

We worship an orderly and unchanging God. Through mathematical study we find an aspect of God's nature and a tool for fulfilling the cultural mandate. Student progress from Algebra I, to Geometry, to Algebra II. Once mastery of Algebra II is complete students have the opportunity to either move to a study of Calculus or Statistics. Regardless of the progression, students master concepts and skills expected for graduation and then move to more practical applications of mathematics necessary for careers and citizenship.



DEPARTMENT OUTCOMES

- Understand and appreciate the underlying logic of mathematics as the language of God's creation
- Demonstrate fluency in a variety of mathematical procedures with and without calculators
- Demonstrate understanding of a variety of mathematical concepts and their relationships
- Demonstrate flexibility when selecting tools and uncovering misunderstandings independently and communally

FOR HIS INVISIBLE ATTRIBUTES, NAMELY, HIS ETERNAL POWER AND DIVINE NATURE, HAVE BEEN CLEARLY PERCEIVED, EVER SINCE THE CREATION OF THE WORLD, IN THE THINGS THAT HAVE BEEN MADE.

ROMANS 1:20

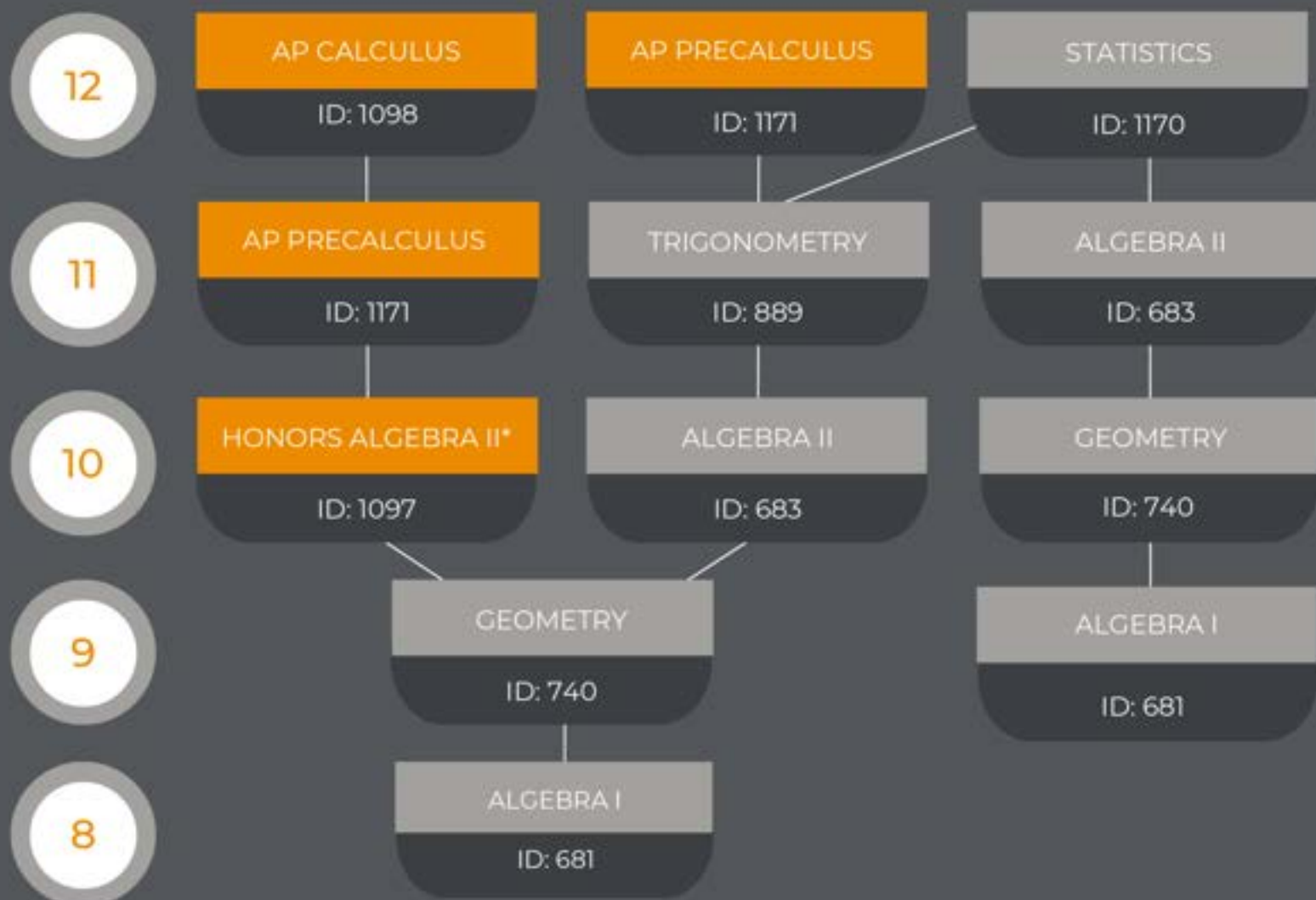




MATHEMATICS PROGRESSION

We encourage students to begin with the end in mind. When considering a mathematics progression it is critical to consider where a student wants to be when finishing high school. Our middle school mathematics program is designed for students to complete Algebra I and be prepared for Geometry freshman year. Class selection during the sophomore year will initiate the trajectory toward either AP Calculus, AP Precalculus, or Statistics. If a student has not yet demonstrated mastery of Algebra I they will be placed in Algebra I their freshman year. Students can elect to move from the more rigorous orange path to the appropriate level grey class any year.

**AP Biology and Honors Algebra II are corequisite classes.*





ALGEBRA I

ALG 1

ID: 681

CREDIT: 1.0 (2 SEMESTERS)

GRADE: 8,9,10

Algebra I is the first course in a five-year sequence of college preparatory mathematics. Students deepen and extend their understanding of previous math skills by focusing on developing fluency with solving linear equations, inequalities, and systems. Next students will dive deeper into those skills and use them to solve quadratic equations, and explore linear, quadratic, and exponential functions graphically, numerically, symbolically, and as sequences, and by using regression techniques to analyze the fit of models to distributions of data.

GEOMETRY

09 MATH GEOM

ID: 740

CREDIT: 1.0 (2 SEMESTERS)

GRADE: 9

Geometry strengthens the mathematical language skills of the math student. This traditional geometry course begins with the study of the foundations for geometry and geometric reasoning. Included is the development of definitions, postulates, and theorems to help students conduct proofs involving lines, angles, and polygons, especially triangles. The study of circles, area,

volume, and similarity for two and three-dimensional objects is explored. A scientific or graphing calculator is required, as well as a construction kit with protractor and compass.

INTEGRATED ALGEBRA II

ALG 2 INT

ID: 1088

CREDIT: 1.0 (2 SEMESTERS)

GRADE: 10

Integrated Algebra II is a college preparatory math course designed for students needing additional focus on Algebra I skills. Skills covered include: making connections between multiple representations of functions; transformations of different function families; finding zeros of polynomials and connecting them to graphs and equations of polynomials; modeling periodic phenomena with trigonometry, and understanding the role of randomness and the normal distribution in making statistical conclusions.

ALGEBRA II

10 MATH ALG II

ID: 683

CREDIT: 1.0 (2 SEMESTERS)

GRADE: 10

Algebra II is a college preparatory math course designed for students taking Trigonometry at the next level. Students extend knowledge learned in previous courses by focusing on finding connections between multiple



representations of functions, transformations of different function families, finding zeros of polynomials and connecting them to graphs and equations of polynomials, modeling periodic phenomena with trigonometry, and understanding the role of randomness and the normal distribution in making statistical conclusions.

HONORS ALGEBRA II

10 MATH HON ALG II
CREDIT: 1.0 (2 SEMESTERS)

ID: 1097
GRADE: 10

Honors Algebra II is an advanced math course designed for students taking AP Precalculus at the next level. Students apply and extend their learning by: focusing on finding connections between multiple representations of functions; transformations of different function families; finding zeros of polynomials and connecting them to graphs and equations of polynomials; modeling periodic phenomena with trigonometry; and understanding the role of randomness and the normal distribution in making statistical conclusions.

TRIGONOMETRY

11 MATH TRIG
CREDIT: 1.0 (2 SEMESTERS)

ID: 889
GRADE: 11

Trigonometry is designed for college preparatory students. Students apply and extend what they have learned in Algebra II by focusing on finding connections between multiple representations of functions, transformations of different function families, finding zeros of polynomials and connecting them to graphs and equations of polynomials, modeling periodic phenomena with trigonometry, and understanding the role of randomness and the normal distribution in making statistical conclusions.

STATISTICS

12 MATH STATS
CREDIT: 1.0 (2 SEMESTERS)

ID: 1170
GRADE: 12

Statistics focuses on the major concepts and tools used for collecting, analyzing, and drawing conclusions from data. Students explore statistics through discussion and activities, and through the design of surveys and experiments.

This is accomplished by: selecting methods for collecting or analyzing data; describing patterns, trends, associations, and relationships in data; using probability and simulation to describe probability distributions and define uncertainty in statistical inference; and using statistical reasoning to draw appropriate conclusions and justify claims.



AP PRECALCULUS

AP PRECALC

CREDIT: 1.0 (2 SEMESTERS)

ID: 1171

GRADE: 11, 12

AP Precalculus prepares students for other college-level mathematics and science courses. Students explore everyday situations using mathematical tools and lenses. Students develop an understanding of modeling and functions, and examine scenarios through multiple representations. The course framework outlines content and skills needed for careers in mathematics, physics, biology, health science, social science, and data science. Skills covered include algebraically manipulating functions, equations, and expressions; translating mathematical information between representations and communicating with precise language; and providing rationales for conclusions.

AP CALCULUS

AP CALC

CREDIT: 1.0 (2 SEMESTERS)

ID: 1098

GRADE: 12

AP Calculus AB focuses on students' understanding of calculus concepts and provide experience with methods and applications. Through the use of big ideas of calculus (e.g., modeling

change, approximation and limits, and analysis of functions), each course becomes a cohesive whole, rather than a collection of unrelated topics. Both courses require students to use definitions and theorems to build arguments and justify conclusions. The courses feature a multirepresentational approach to calculus, with concepts, results, and problems expressed graphically, numerically, analytically, and verbally. Exploring connections among these representations builds understanding of how calculus applies limits to develop important ideas, definitions, formulas, and theorems. A sustained emphasis on clear communication of methods, reasoning, justifications, and conclusions is essential. Teachers and students should regularly use technology to reinforce relationships among functions, confirm written work, implement experimentation, and assist in interpreting results.

AP Calculus AB is designed to be the equivalent of a first-semester college calculus course devoted to topics in differential and integral calculus.



Science Department

PROGRAM OVERVIEW

God is the creator and sustainer of all things. Moverover, He has given us the capacity to investigate and understand His orderly creation to better fulfill the cultural mandate. In high school, students investigate God's design in physical science, biology, chemistry, and physics. As students advance to deeper levels of understanding, they also gain experience in experimentation and the application and integration of mathematical concepts as the language of nature. The program is designed to provide all students with scientific literacy and awe of God's design. For those who desire further scientific inquiry beyond high school, ample opportunities are provided to learn the requisite skills for scientific study in college.

DEPARTMENT OUTCOMES

- Understand the physical world as God's general revelation
- Understand the philosophical undergirding, limitations, and appropriate application of the scientific method for inquiry
- Demonstrate understanding and skill in experiment design and analysis
- Identify and apply an understanding of the underlying structures of the physical universe

BEFORE THE MOUNTAINS WERE BROUGHT FORTH, OR EVER YOU HAD FORMED THE EARTH AND THE WORLD, FROM EVERLASTING TO EVERLASTING YOU ARE GOD.

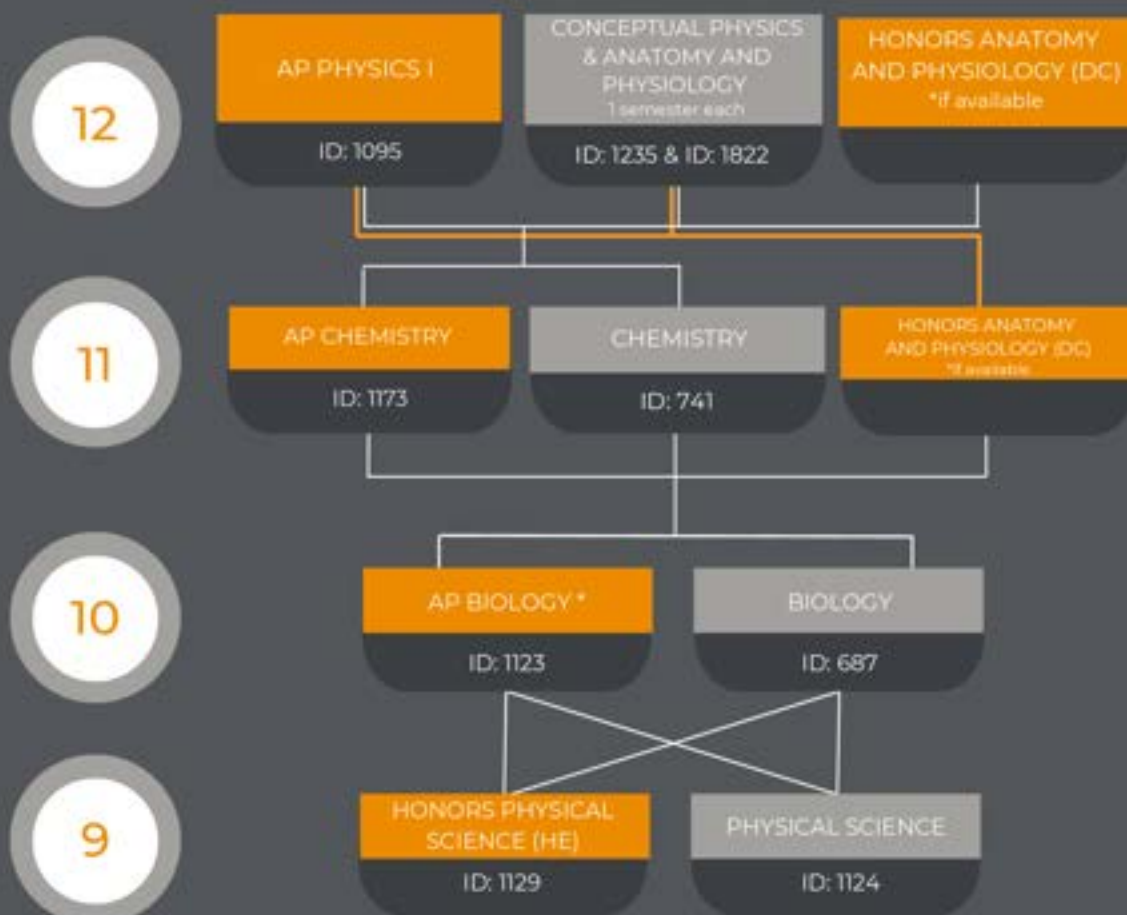
PSALM 90:2



SCIENCE PROGRESSION

Students who are considering taking AP sciences classes are strongly encouraged to elect the Honors Physical Science course freshman year. In so doing, students will be learning critical lab report skills utilized in the AP science courses.

**AP Biology and Honors Algebra II are corequisite classes.*





PHYSICAL SCIENCE

09 SCI PS

CREDIT: 1.0 (2 SEMESTERS)

ID: 1124

GRADE: 9

Physical Science is the study of matter and energy. It has two main branches - Chemistry and Physics. Chemistry is the science of matter and its changes, while Physics is the science of forces and energy. Covered topics include matter and Kinetic Theory; atomic structure; chemical bonding and reactions; acids, bases, and solutions; radioactivity; and nuclear reactions. Second semester will focus on motion and forces, work, power and energy, sound and light, and electricity. Students will examine science through research, class discussion, lab activities, computer projects, small group activities, case studies, and projects.

HONORS PHYSICAL SCIENCE (HE)

09 SCI HON PS

CREDIT: 1.0 (2 SEMESTERS)

ID: 1129

GRADE: 9

Honors Physical Science is the study of matter and energy. It has two main branches: Chemistry and Physics. Topics include matter and Kinetic Theory; atomic structure; chemical bonding and reactions; acids, bases, and solutions; radioactivity; and nuclear reactions. Second semester will focus on motion and forces, work, power and energy, sound and light,

and electricity. Students will examine science through research, class discussion, lab activities, computer projects, small group activities, case studies, and projects.

Students will utilize technology, laboratory activities, problem-solving and critical-thinking skills to enhance understanding and application of scientific reasoning. The student should be proficient in math skills required for both basic physics and chemistry in order to understand the physical science concepts presented. Extensive independent research and preparation will be expected of all students enrolled in this course.

BIOLOGY

10 SCI BIO

CREDIT: 1.0 (2 SEMESTERS)

ID: 687

GRADE: 10

Biology emphasizes five major topics: cells, ecology, genetics, the classification system, and the human body. Learning these concepts will be done in diverse ways including problem-based learning, inquiry, independent research, and experimentation.

AP BIOLOGY

10 SCI AP BIO

CREDIT: 1.0 (2 SEMESTERS)

ID: 1123

GRADE: 10

The AP Biology course is an introductory college-level biology course. Students cultivate their



understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions.

LABORATORY REQUIREMENT This course requires that 25 percent of the instructional time will be spent on hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply science practices. Students learn how to describe how to collect data, use data to form conclusions, and apply their conclusions to larger biological concepts. Students learn to report recorded data and quantitative conclusions drawn from the data with appropriate precision (i.e., significant figures). Students also develop an understanding of how changes in the design of the experiments impact the validity and accuracy of their results. Many questions on the AP exam are written in an experimental context, therefore, these skills will prove invaluable for both concept comprehension and exam performance.

CHEMISTRY

11 SCI CHEM
CREDIT: 1.0 (2 SEMESTERS)

ID: 741
GRADE: 11

Chemistry introduces fundamental concepts including structure and states of matter, intermolecular forces, and reactions. Students will perform hands-on lab investigations and use chemical calculations to solve problems. Skills covered include designing experiments and procedures to test a prediction or theory, creating graphs, diagrams, and models that represent chemical phenomena, explaining how the microscopic structure of a substance determines its chemical properties and balancing a chemical equation.

AP CHEMISTRY

AP CHEM
CREDIT: 1.0 (2 SEMESTERS)

ID: 1173
GRADE: 11

AP Chemistry explores fundamental concepts of chemistry including structure and states of matter, intermolecular forces, and reactions. Students perform hands-on lab investigations and use chemical calculations to solve problems. Skills covered include designing experiments and procedures to test a prediction or theory, creating graphs, diagrams, and models that represent chemical phenomena; explaining how the microscopic structure of a substance determines its chemical properties; balancing a chemical equation; and making a scientific claim and supporting it with evidence.



CONCEPTUAL PHYSICS

12 SCI CON PHY
CREDIT: 0.5 (1 SEMESTER)

ID: 1235
GRADE: 12

Conceptual Physics is a one-semester laboratory science design for college bound students. It de-emphasizes mathematics in order to focus on conceptual understandings of the laws of physics and the Creator who authors them. The course provides studies in motion and its causes, conservation laws, periodic motion, thermodynamics and heat theory, electricity, magnetism, electromagnetic radiation, Light and optics, and fundamental particles.

ANATOMY & PHYSIOLOGY

12 SCI A&P.
CREDIT: 0.5 (1 SEMESTER)

ID: 1822
GRADE: 12

Anatomy & Physiology is a comprehensive, systematic study of the structure and function of the human body. It covers anatomical terminology, cells and tissues, and the anatomy and physiology of integumentary, skeletal, muscle, and nervous systems. This course provides an excellent introduction to concepts required for continued study of the human body.

AP PHYSICS I

AP PHYSICS I
CREDIT: 1.0 (2 SEMESTERS)

ID: 1095
GRADE: 12

AP Physics I engages foundational principles of physics while exploring Newtonian mechanics; work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Students participate in hands-on laboratory work to investigate phenomena. Skills learned include interpreting & describing representations and models, using mathematics to solve science problems, formulating a scientific question or hypothesis, designing an experiment to answer a scientific question or test a hypothesis, analyzing data and evaluating evidence.

HONORS ANATOMY & PHYSIOLOGY (DC)

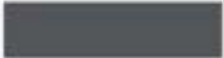
11/12 A&P HON
CREDIT: 1.0 (YEAR LONG)

ID: 685
GRADE: 11, 12

Honors Anatomy & Physiology investigates the systems of the human body through lecture, hands-on lab work including dissection, and critical thinking tasks to solidify foundational concepts as well as higher-level understanding to prepare them for the depth of expectation of college-level sciences. This course provides an excellent intro to the medical field.

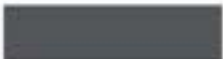


History Department



PROGRAM OVERVIEW

We serve a God who acts in and through history, and He has given us a mind that can know the record of the past as a guide to the future. Through the study of humanity's relationship to God, man's relationship to each other, and the development of human systems, students are taught to see the providence of God. Students begin by learning the geography of our world and the fundamental structures of our government. With this foundation students then learn the story of Western civilization. Upperclassmen also investigate the pivotal conflicts of our nation along with the history and ideas from Eastern civilization. The result is a thorough preparation for our dual roles as citizens of the American Republic and citizens of the Kingdom.



DEPARTMENT OUTCOMES

- Understand History as a record of God's providence and His sovereign relationship with humanity along with the relationships between humans
- Identify, explain, and make arguments concerning conflict, development, and innovation in cultural, economic, religious, and governmental systems
- Analyze, evaluate, and understand the roles and responsibilities of citizenship in a pluralistic society
- Identify and explain influential events, chronology, and narratives in World and United States History

THE LORD HAS ESTABLISHED HIS THRONE IN THE HEAVENS, AND HIS KINGDOM RULES OVER ALL.

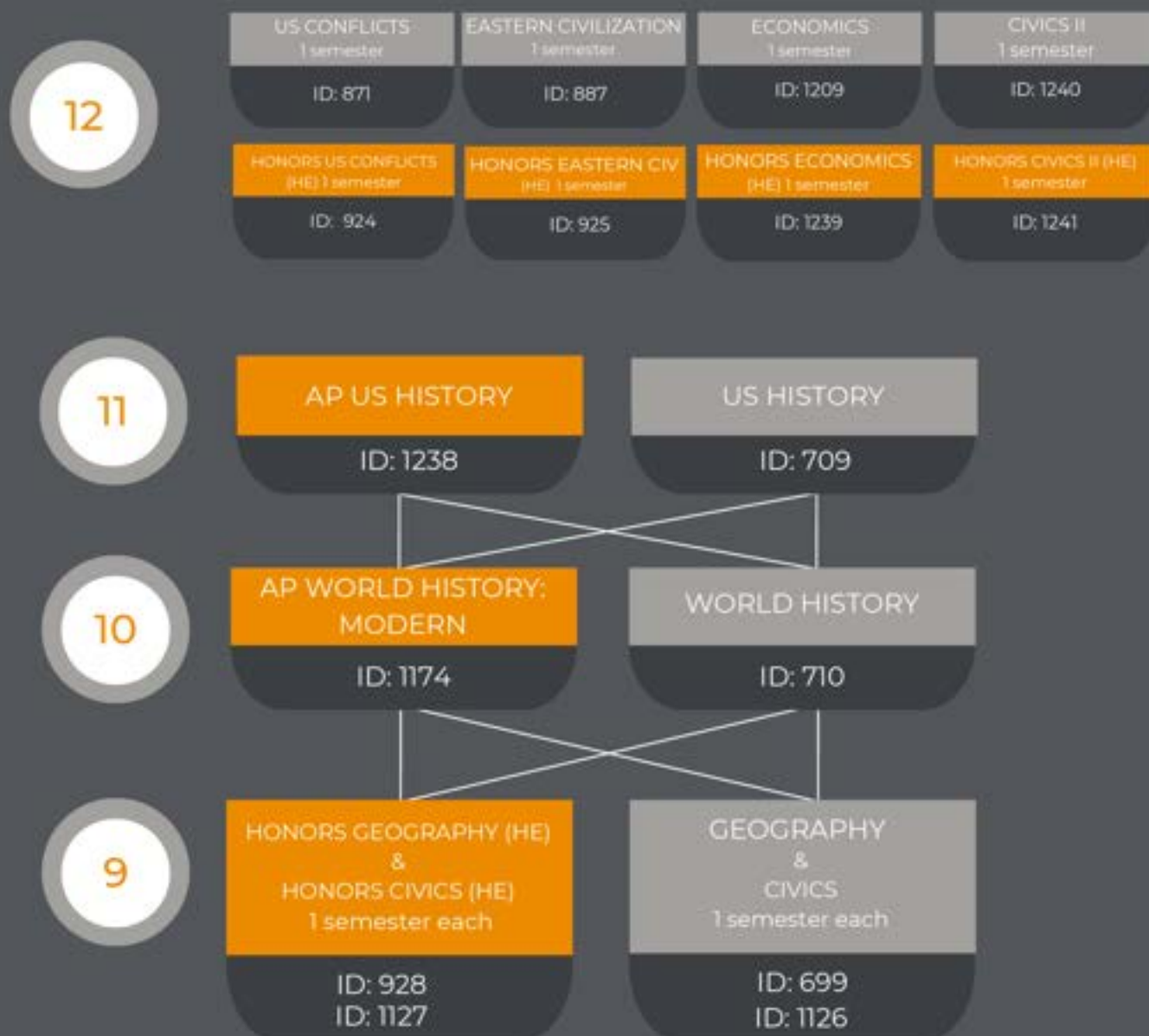
PSALM 103:19



HISTORY PROGRESSION

Honors-level history courses do not have prerequisites (i.e., with administration approval, students may opt for an honors-level honors course any year available).

Geography and Government are semester-long courses taken during the 9th grade year as are all senior-year history electives.



GEOGRAPHY

09 HIST GEOG

ID: 699

CREDIT: 0.5 (1 SEMESTER)

GRADE: 9

Geography explores the five themes of geography: location, place, region, movement, and human-environment interaction. The content also includes a study of where America is situated in relation to the rest of the world and the challenges of globalization. Students learn about the development of other cultures and institutions and how they relate to each other. This contributes to a better understanding of students' own opportunities in a global context.

HONORS GEOGRAPHY (HE)

09 HIST HON GEOG

ID: 928

CREDIT: 0.5 (1 SEMESTER)

GRADE: 9

Honors Geography explores the five themes of geography: location, place, region, movement, and human-environment interaction. The content also includes a study of where America is situated in relation to the rest of the world and the challenges of globalization. Students learn about the development of other cultures and institutions and how they relate to each other. This contributes to a better understanding of students' own opportunities in a global context. Emphasis is placed upon independent reading and extended composition in preparation for AP courses.

CIVICS

09 HIST CIVICS

ID: 1126

CREDIT: 0.5 (1 SEMESTER)

GRADE: 9

Civics introduces the different types of governments found historically and currently in the world. Students learn the foundations of the American government and how the current government is outlined in the Declaration of Independence, The U.S. Constitution, and the Bill of Rights. Students learn about the processes of the U.S. government and their roles and responsibilities as American citizens. There is an additional focus on current government policies and how the government affects students today.

HONORS CIVICS (HE)

09 HIST HON CIV

ID: 1127

CREDIT: 0.5 (1 SEMESTER)

GRADE: 9

Honors Civics emphasizes independent reading and extended composition while examining the different types of governments found historically and currently in the world. Students learn the foundations of the American government and how the current government is outlined in the Declaration of Independence, The U.S. Constitution, and the Bill of Rights. Students learn about the processes of the U.S. government and their roles and responsibilities as American citizens.



WORLD HISTORY

10 HIST WH

ID: 710

CREDIT: 1.0 (2 SEMESTERS)

GRADE: 10

World History presents history as "HIS-Story" to understand the interaction of the human condition and God's Providence throughout history. Biblical authority and a Christian worldview are therefore essential and woven into the presentation and study of the course material.

Topics covered include the building blocks of Western civilization, the Reformation, the Enlightenment, the Industrial Revolution, imperialism, communism, secular humanism and 21st-century conflicts. There is an emphasis on Christianity's impact on Western civilization (current events) and Church/State issues.

AP WORLD HISTORY: MODERN

AP WH MOD

ID: 1174

CREDIT: 1.0 (2 SEMESTERS)

GRADE: 10

AP World History: Modern presents history as "HIS-Story" to understand the interaction of the human condition and God's Providence throughout history. Biblical authority and a Christian worldview are therefore essential and woven into the presentation and study of the course material.

Participants study the cultural, economic, political, and social developments that have shaped the world from c. 1200 CE to the present. Students analyze texts, visual sources, and other historical evidence and write essays expressing historical arguments. Skills learned include evaluating primary and secondary sources, analyzing the claims, evidence, and reasoning you find in sources, putting historical developments in context and making connections between them, coming up with a claim or thesis and explaining and supporting it in writing.

US HISTORY

11 HIST US

ID: 709

CREDIT: 1.0 (2 SEMESTERS)

GRADE: 11

US History teaches students to ask "What is the Christian perspective of covered events in history, be it political, economic or social? What can we as Christians learn from this event and thus enable us to be informed and engaged citizens?"

Material covered includes European Imperialism, Christianity & God's Providence, Civic and religious development of Colonies, founding fathers, Revolutionary War strategies, Constitutional Republic formation, Manifest Destiny, economic, political,



and social implications leading to the Civil War, industrialization & economic development, urbanization and agriculture, international trade policies International relations, WWI & WWII, man's relationship with fellow man and with God, Christian worldview, economics - macro and micro issues, government's role, and the sectionalization of the United States.

HONORS US HISTORY

11 HIST HON US
CREDIT: 1.0 (2 SEMESTERS)

ID: 904
GRADE: 11

Honors US History expects students to complete independent research and investigate ideas through extended composition. Students are taught to ask "What is the Christian perspective of covered events in history, be it political, economic or social? What can we as Christians learn from this event and thus enable us to be informed and engaged citizens?"

Material covered includes European Imperialism, Christianity & God's Providence, Civic and religious development of Colonies, founding fathers, Revolutionary War strategies, Constitutional Republic formation, Manifest Destiny, economic, political, and social implications leading to the Civil War, industrialization & economic development, urbanization and

agriculture, international trade policies International relations, WWI & WWII, man's relationship with fellow man and with God, Christian worldview, economics - macro and micro issues, government's role, and the sectionalization of the United States.

AP US HISTORY

AP US HIST.
CREDIT: 1.0

ID: 1238
GRADE: 11

AP U.S. History is an introductory college-level U.S. history course. Taught from a distinctively Christian Worldview, students cultivate their understanding of U.S. history from c. 1491 AD to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like American and national identity, work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures.

EASTERN CIVILIZATION

12 EAST CIV
CREDIT: 0.5 (1 SEMESTER)

ID: 887
GRADE: 12

Eastern Civilization provides a functional and thematic understanding of "HIS-story". Students relate history to their own life, develop gratitude and appreciation for God's



Providence, and are inspired to engage and assume responsibility.

Topics include bias and viewpoint in history, Christian worldview issues, Western vs. Eastern Civilizations, conflicts, ideologies, the Eastern view, Taoism, Buddhism, Confucianism, the Industrial Revolution, imperialism, communism, secular humanism, international relations, the opening of Japan & Korea, Opium Wars, WWI, WWII and 21st Century conflicts, China, Japan & Korea; geography, people groups, the genesis of civilizations, dynastic histories, emergence of modern states, and contemporary issues.

HONORS EASTERN CIVILIZATION (HE)

12 HON EAST CIV
CREDIT: 0.5 (1 SEMESTER)

ID: 925
GRADE: 12

Honors Eastern Civilization students are expected to complete independent research and investigate ideas through extended composition. A functional and thematic understanding of "HIS-story" is taught where students relate history to their own life, develop gratitude and appreciation for God's Providence, and are inspired to engage and assume responsibility.

Topics include bias and viewpoint in history, Christian worldview issues, Western vs. Eastern Civilizations, conflicts, ideologies, the Eastern view, Taoism, Buddhism, Confucianism, the Industrial Revolution, imperialism, communism, secular humanism, international relations, the opening of Japan & Korea, Opium Wars, WWI, WWII and 21st Century conflicts, China, Japan & Korea; geography, people groups, the genesis of civilizations, dynastic histories, emergence of modern states, and contemporary issues.

US CONFLICTS

12 US CONF
CREDIT: 0.5 (1 SEMESTER)

ID: 871
GRADE: 12

US Conflicts provides a functional and thematic understanding of "HIS-story". Students relate history to their own life, develop gratitude and appreciation for God's Providence, and are inspired to engage and assume responsibility.

Biblical authority and a Christian worldview are therefore essential and woven into the presentation and study of the course material. Students will consider "What is the Christian perspective of the particular conflict in history, be it the political, economic or social implications of that conflict?" "What can we as Christians learn from



this conflict and thus enable us to be better informed and engaged citizens?"

These questions will be answered as students explore US imperialism, Christian worldview issues, international relations & the economics of conflicts, the use of military (hard power) vs. economics (soft power), the impact of technology on conflicts, debates on U.S. engagement: moral, political and economic implications, eastern vs. western ideologies, conflicts, military strategy, politics, & journalism, Post war lessons, United Nations interaction of hard power and international & domestic politics, moral implications of nuclear war, cold war issues, man's relationship with fellow man and with God, Jihad, 9-11 and the Islamic conflicts, the new "Cold War" with Russia, and North Korea and the rise of China.

HONORS US CONFLICTS (HE)

12 HON US CONF
CREDIT: 0.5 (1 SEMESTER)

ID: 924
GRADE: 12

Honors US Conflicts students are expected to complete independent research and investigate ideas through extended composition. A functional and thematic

understanding of "HIS-story" is taught where students relate history to their own life, develop gratitude and appreciation for God's Providence, and are inspired to engage and assume responsibility. Biblical authority and a Christian worldview are therefore essential and woven into the presentation and study of the course material.

Students will consider "What is the Christian perspective of the particular conflict in history, be it the political, economic or social implications of that conflict?" "What can we as Christians learn from this conflict and thus enable us to be better informed and engaged citizens?"

These questions will be answered as students explore US imperialism, Christian worldview issues, international relations & the economics of conflicts, the use of military (hard power) vs. economics (soft power), the impact of technology on conflicts, debates on U.S. engagement: moral, political and economic implications, eastern vs. western ideologies, conflicts, military strategy, politics, & journalism, Post war lessons, United Nations interaction of hard power and international &

domestic politics, moral implications of nuclear war, cold war issues, man's relationship with fellow man and with God, Jihad, 9-11 and the Islamic conflicts, the new "Cold War" with Russia, and North Korea and the rise of China.

ECONOMICS

ECON ID: 1209
CREDIT: 0.5 (1 SEMESTER) **GRADE: 11, 12**

Economics provides students with a comprehensive understanding of both economic principles and personal finance management. By combining theoretical concepts with practical applications, students will develop the knowledge and skills necessary to make informed financial decisions and navigate economic challenges in their lives.

HONORS ECONOMICS (HE)

HON ECON ID: 1239
CREDIT: 0.5 (1 SEMESTER) **GRADE: 11, 12**

Honors Economics students are expected to complete independent research and investigate ideas through extended reading, composition, and projects. Economics provides students with a comprehensive understanding of both economics principles and personal

finance management. By combining theoretical concepts with practical applications, students will develop the knowledge and skills necessary to make informed decisions and navigate economic challenges in their lives.

CIVICS II

12 HIST CIV II ID: 1240
CREDIT: 0.5 (1 SEMESTER) **GRADE: 12**

Civics II is a senior level course where students build on the knowledge of government and our History to explore and continue to prepare for a life as a citizen of the Republic and a citizen of Heaven. This course emphasizes engagement in democratic process, analysis of seminal documents, the role of institutions, and the tensions and limitations of human systems. Students are expected to articulate and apply a Biblical worldview as they reach the age of voting and full civic engagement.

HONORS CIVICS II (HE)

12 HIST HON CIV II ID: 1241
CREDIT: 0.5 (1 SEMESTER) **GRADE: 12**

Honors Civics II students are expected to complete independent research and investigate ideas through extended reading and composition. As a senior level course, students build on the knowledge of government and our



our History to explore and continue to prepare for a life as a citizen of the Republic and a citizen of Heaven. This course emphasizes engagement in democratic process, analysis of seminal documents, the role of institutions, and the tensions and limitations of human systems. Students are expected to articulate and apply a Biblical worldview as they reach the age of voting and full civic engagement.

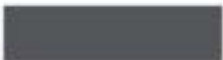


World Language & Electives



SPANISH OVERVIEW

The Spanish program helps support the Flatirons Academy desire that students have a critical appreciation of languages and cultures of other peoples, dispelling prejudice, promoting interethnic harmony and encouraging Biblical hospitality for the "alien" or "stranger." Second-language learning opens up the world in opportunities regarding business, missions, travel and general global competence.



THE ARTS & PHYSICAL EDUCATION OVERVIEW

As embodied image bearers, we are mandated to create culture and enjoy the aesthetic qualities of life. All students are introduced to either art, band, choir, or fitness classes as freshmen or sophomores, with opportunities to gain greater skill in advanced classes as upperclassmen as students find their strengths and passions.

FINALLY, BROTHERS, WHATEVER IS TRUE, WHATEVER IS
HONORABLE, WHATEVER IS JUST, WHATEVER IS PURE, WHATEVER
IS LOVELY, WHATEVER IS COMMENDABLE, IF THERE IS ANY
EXCELLENCE, IF THERE IS ANYTHING WORTHY OF PRAISE, THINK
ABOUT THESE THINGS. PHILIPPIANS 4:8



WORLD LANGUAGE PROGRESSION

It is advised to take Spanish III Honors during junior year as opposed to senior year.



SPANISH III HONORS

ID: 1125

Prerequisite: SPANISH I & II

SPANISH II

ID: 706

SPANISH I

ID: 705



SPANISH I

09 SPAN
CREDIT: 1.0 (2 SEMESTERS)

ID: 705
GRADE: 9

Spanish I is an introductory course focusing on vocabulary building, basic sentence structure and pronunciation principles to aid in laying the foundation for excellent listening, speaking, reading and writing in the present tense. Essential cultural questions, which help us carry the gospel in a culturally-sensitive way, drive the curriculum content as students find similarities and differences between the life they live here in the United States and that of the following countries: México, Puerto Rico, the Dominican Republic, Costa Rica, Nicaragua, Colombia and Venezuela.

SPANISH II

10 SPAN
CREDIT: 1.0 (2 SEMESTERS)

ID: 706
GRADE: 10

This is an intermediate course focusing on increasing depth of vocabulary, more complex sentence structure and verb tenses to read, speak, listen and write in the present and past tense, use commands and increase in the output of Spanish. Essential cultural questions drive the curriculum content as students find similarities and differences between the life they

live here in the United States and that of the following countries: Colombia, Venezuela, Chile, Argentina, Spain, Panama, Ecuador, Perú, Guatemala, Mexico, El Salvador, and Honduras.

HONORS SPANISH III

11 HON SPAN III
CREDIT: 1.0 (2 SEMESTERS)

ID: 1125
GRADE: 11

Spanish 3 is an advanced course focusing on increasing depth of vocabulary and more complex sentence structure and verb tenses, including the preterite, imperfect, present perfect, commands, future and conditional. Class instruction will be conducted in Spanish 90% of the time.

Essential cultural questions drive the curriculum content as students find similarities and differences between the life they live here in the United States and that of the following countries: México, El Salvador, Honduras, Puerto Rico, the Dominican Republic, Cuba, Costa Rica, Colombia, Venezuela, Ecuador, Perú, Bolivia, Paraguay, Uruguay, and Spain.



ARTS & TECHNOLOGY OPTIONS

Students are encouraged to try different electives each year.
HS Concert Band may be taken during student's entire high school career.

12

AP 2D Art and Design

ID: 1175

Prerequisite: 1 year of HS ART

CHOIR II

ID: 1176

Prerequisite: 1 year of HS Choir

HS CONCERT BAND

ID: 893

INTRO TO CLASSICS

ID: 1824

HS ART II

ID: 1251

Prerequisite: 1 year of HS ART

INTRO TO PSYCHOLOGY

ID: 1823

PUBLIC SPEAKING

ID: 1208

CREATIVE WRITING WORKSHOP

ID: 1245

11

AP 2D Art and Design

ID: 1175

Prerequisite: 1 year of HS ART

CHOIR II

ID: 1176

Prerequisite: 1 year of HS Choir

HS CONCERT BAND

ID: 893

INTRO TO CLASSICS

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Prerequisite: 1 year of HS ART

INTRO TO PSYCHOLOGY

ID: 1823

PUBLIC SPEAKING

ID: 1208

CREATIVE WRITING WORKSHOP

ID: 1245

10

HS ART

ID: 920

HS CHOIR

ID: 785

INTRO TO CLASSICS

ID: 1824

HS CONCERT BAND

ID: 893

INTRO TO PUBLIC SPEAKING

ID: 1825

9

HS ART

ID: 920

HS CHOIR

ID: 785

INTRO TO CLASSICS

ID: 1824

HS CONCERT BAND

ID: 893

INTRO TO PUBLIC SPEAKING

ID: 1825



HS ART

HS ART ID: 920
CREDIT: 1.0 (2 SEMESTERS) GRADE: 9, 10, 11, 12

High School Art focuses on the skills and techniques used in design, drawing and painting. In keeping with this attention on two-dimensional work, students will work with several media such as pencil, ink, pastel, watercolor, tempera and acrylic. Emphasis is placed on understanding the Elements of Art and Principles of Design as a basis for composition. This course is for students who want to learn and improve their art skills through sketchbook, project assignments and explore a variety of artists and art processes. Student voice and choice are encouraged through visual concepts, observation and imagination.

HS ART II

HS ART II ID: 1251
CREDIT: 1.0 (2 SEMESTERS) GRADE: 11, 12

HS Art II builds on the skills and techniques used in HS Art I as students become more independent artists. Students continue to master two-dimensional work such as pencil, ink, pastel, watercolor, tempera and acrylic. Emphasis is placed on understanding the Elements of Art and Principles of

Design as a basis for composition. This course is for students who want to learn and improve their art skills through sketchbook, project assignments and explore a variety of artists and art processes. Students are expected to cultivate a portfolio that demonstrates his or her development as an artist.

AP 2D ART AND DESIGN

AP 2D A&D ID: 1175
CREDIT: 1.0 (2 SEMESTERS) GRADE: 11, 12

AP 2D Art and Design develops 2-D skills through materials and processes such as graphic design, photography, collage, printmaking, fashion illustration, and more. Students create artwork that reflects personal ideas and skills, reflecting what they've learned. Skills taught include investigating the materials, processes, and ideas that artists and designers use, practicing, experimenting, and revising, and communicating personal ideas about works of art and design.

**Not offered 2026/2027*



HS CONCERT BAND

HS CONCERT BAND ID: 893
CREDIT: 1.0 (2 SEMESTERS) GRADE: 9, 10, 11, 12

HS Concert Band students practice instrumental performance as a small ensemble for events that will encourage and build up the Flatirons Academy community. Students honor God and others through the disciplined practice of their craft and performances that serve others and exalt the glory of God. Skills covered include progress in sight reading skills, focus on performances, advanced musicianship, and advanced technique in all keys. All Band students are encouraged to participate in HS Pep Band.

HS CHOIR

HS CHOIR ID: 785
CREDIT: 1.0 (2 SEMESTERS) GRADE: 9, 10, 11, 12

HS Choir is an ensemble of students who explore various choral genres and styles. Sight reading, ear training and vocal technique are the primary elements of this class. Through the choral experience students honor God and others with their musical talents and gifts. Specific skills taught include basic site reading including major and minor scales; rhythmic site reading including quarter notes eighth notes and 16th notes; and ear training

identifying major and minor triads as well as identifying major and minor keys. Basic vocal skills include appropriate ranges for good vocal health and the ability to blend with tonality in an ensemble setting.

CHOIR II

CHOIR II ID: 1176
CREDIT: 1.0 (2 SEMESTERS) GRADE: 11, 12

Choir II students broaden & refine their vocal and aural skills within an ensemble setting. They demonstrate good tone & blend within the ensemble, define & use musical vocabulary, know & understand elements & principles of basic chordal structure, & demonstrate an understanding of aural & basic theory skills pertaining to the ensemble.



INTRO TO PUBLIC SPEAKING

INTRO PS

ID: 1825

CREDIT: 1.0 (2 SEMESTERS)

GRADE: 9, 10

Intro to Public Speaking exposes high school students to the essential skills needed for public speaking and presentation in an academic setting. Through a combination of theory, practice, and feedback, students will develop their communication abilities and grow in confidence and effectiveness as public orators.

PUBLIC SPEAKING

PUB SPEAK

ID: 1208

CREDIT: 0.5 (1 SEMESTER)

GRADE: 11, 12

Public Speaking equips high school students with the essential skills and confidence needed to become effective public speakers and presenters. Through a combination of theory, practice, and feedback, students will develop their communication abilities, sharpen their thinking skills, enhance their self-expression, and become proficient in delivering engaging and impactful presentations.

INTRO TO CLASSICS

INTRO CLS

ID: 1243

CREDIT: 1.0 (2 SEMESTERS) GRADE: 9, 10, 11, 12

Intro to Classics is a foundational exploration of the Classical world and

its enduring influence on Western civilization. Anchored in the Christian liberal arts tradition, Intro to Classics examines the historical development, literature, philosophy, art, and belief systems of ancient Greece and Rome. Students will consider how classical ideas about virtue, citizenship, beauty, and truth inform contemporary thought. Through reading, discussion, writing, and interdisciplinary study, learners will deepen their critical thinking, articulate connections between ancient and modern worlds, and appreciate the role of classical civilization within the broader context of a Christ-centered education.

INTRO TO PSYCHOLOGY

INTRO PSYCH

ID: 1823

CREDIT: 0.5 (1 SEMESTER)

GRADE: 11, 12

Introduction Psychology introduces students to the scientific study of behavior, including an overview of the biological basis of behavior, sensation and perception, states of consciousness, learning and memory and thinking and language. The course also includes an introduction to research methods in psychology and the application of such methods. Special attention is given to the application of a biblical worldview to study of this modern field.



CREATIVE WRITING WORKSHOP

CRTV WRT

ID: 1245

CREDIT: 0.5 (1 SEMESTER)

GRADE: 11, 12

Creative Writing Workshop will aid students in finding their voice and developing writing skills, as they explore the three writing genres of technical writing, journalism, and creative writing. The goals for the course are to:

- * Develop and apply empathetic and constructive peer review skills.
- * Develop and apply technical writing qualities of clarity, short sentences, active voice, audience analysis and logical organization.
- * Develop and apply journalism qualities of accuracy, five W's and H, writing for a universal audience, deadlines, writing style, and ethics.
- * Develop and apply creative writing qualities of descriptive language, character development, plot structure, dialogue, point of View (POV), setting and world-building, tone and style, conflict and resolution, theme and symbolism, and editing and revision.

- * Develop and adapt your writing style to the different genres.

Students will write an instructional manual, a news story, a devotional, a criticism, and a short story. By the end of the workshop, students will have a well-rounded understanding of the three writing genres and have a greater understanding of their writing gifts and where they may be applied most effectively.

Through a combination of theory, practice, and feedback, students will develop their communication abilities, sharpen their thinking skills, enhance their self-expression, and become proficient in delivering engaging and impactful presentations.



PHYSICAL EDUCATION OPTIONS

0.5 physical education credits are earned by

- passing a semester of HS Fitness
- playing a season of Flatirons Academy sports
- managing a season of a Flatirons Academy sport

Student-athletes may sign up for HS Off-Season Lift (0 credits) when not participating in a competitive sports season.

12	OFF-SEASON LIFT ID: 1826	HS FITNESS ID: 1071
11	OFF SEASON LIFT ID: 1826	HS FITNESS ID: 1071
10	OFF-SEASON LIFT ID: 1826	HS FITNESS ID: 1071
9		HS FITNESS ID: 1071



HS FITNESS

HS FIT **ID: 1071**
CREDIT: 1.0 (2 SEMESTERS) **GRADE: 9, 10, 11, 12**

HS Fitness includes structured strength training, mobility, and cardiovascular development. Students improve overall fitness while learning training principles that prepare them for long-term physical well-being. Appropriate dress for PE Class is required - athletic clothing and athletic tennis shoes only.

HS OFF-SEASON LIFT

HS O-S LIFT **ID: 1826**
CREDIT: 0 **GRADE: 10, 11, 12**

HS Off-Season Lift equips students with advancing skills in strength, power, speed, agility. Students develop increased performance and decreased risk of injury through consistent effort, goal setting, and performance tracking.

Participation on a Flatirons Athletic team is a prerequisite. Intended to be taken in the off-season for athletes. In-Season athletes will still lift with their team as part of practice.



ATHLETICS & ACTIVITIES

All students are highly encouraged to participate in multiple activities and athletic options throughout their high school career. The following options take place outside of the normal academic schedule and may require additional fees and tryouts/applications. Find your way to Belong and Engage in all that Flatirons Academy has to offer.

12

HS VOLLEYBALL
HS CROSS COUNTRY
HS BASKETBALL
HS SOCCER

GIRLS SPORTS

HS PEP BAND

ID: 1246

HS STUDIO ART

ID: 1827

HS SPEECH
& DEBATE

ID: 1829

HS FOOTBALL
HS BASKETBALL
HS BASEBALL

BOYS SPORTS

SALT
STUDENT ADVISORY
LEADERSHIP TEAM

ID: 1828

NATIONAL HONOR
SOCIETY

ID: 1830

11

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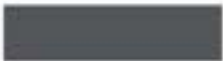


Liberal Arts Seminar



PROGRAM OVERVIEW

As a Liberal Arts school, we emphasize the interconnectedness of knowledge and essential cognitive and literacy skills of a Liberal Arts education. To this end, each student is automatically enrolled in a quarter-credit Seminar each year. All ninth and tenth graders have a required schedule and eleventh and twelfth graders can select an element of their seminar based on their Trail selections. Successful completion of a Liberal Arts Seminar includes passing Reading, Tutorial, and the appropriate Thinking Theologically course.



OUTCOMES

- The ability for wide-ranging, critical reading
- The ability to create cogent, meaningful writing
- The ability to reason logically
- The ability to think theologically
- A coherent personal philosophy that is born out of Biblical truth, human history, and personal experience

AND HE IS BEFORE ALL THINGS, AND IN HIM ALL THINGS HOLD
TOGETHER.

COLOSSIANS 1:17

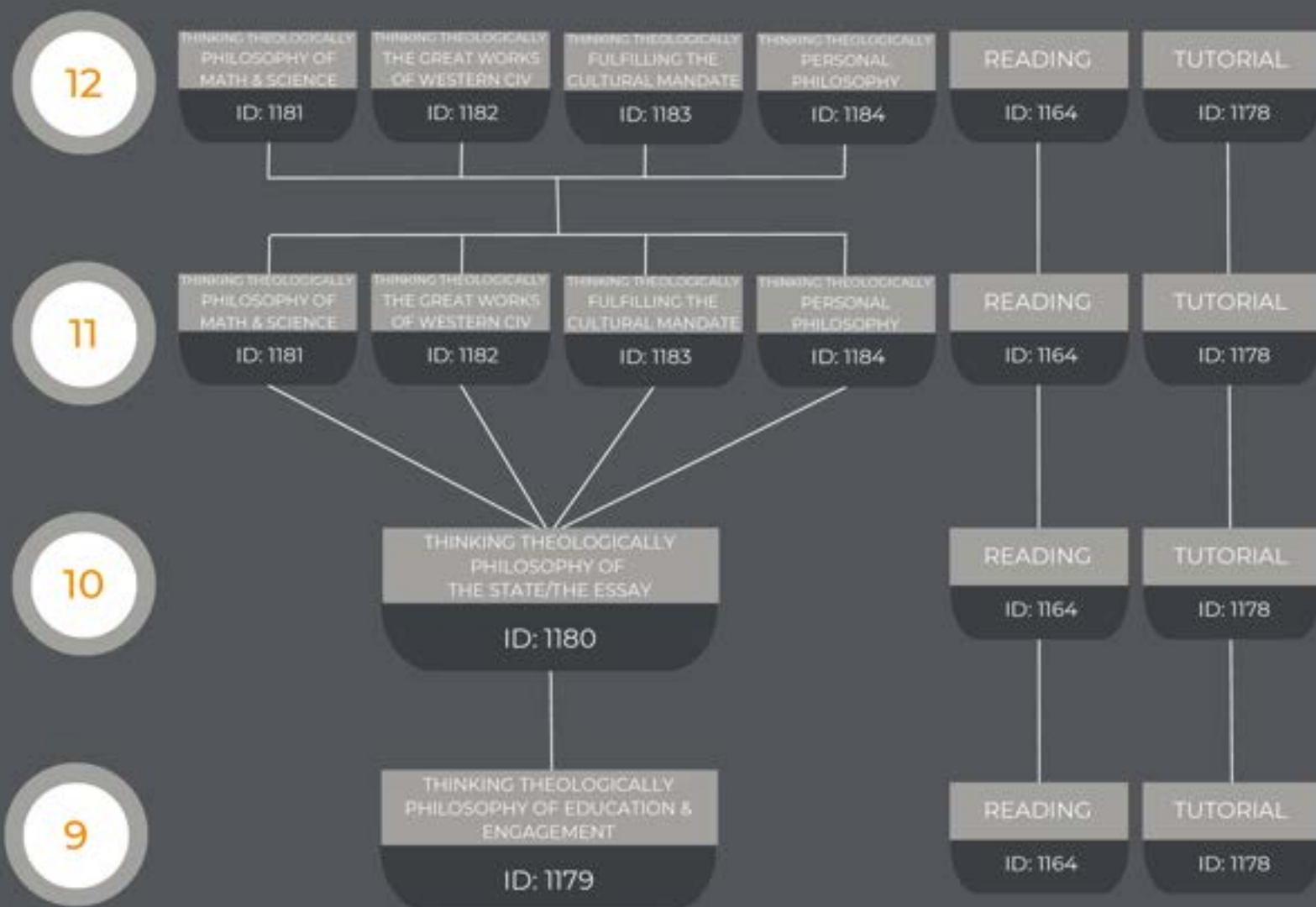




LIBERAL ARTS SEMINAR PROGRESSION

The Liberal Arts Seminar consists of 3 separate courses offered during Bison Friday: Thinking Theologically, Tutorial and Reading.

Successful completion of a Liberal Arts Seminar includes passing all 3 courses and will result in earning 0.25 credits per year enrolled at Flatirons Academy.





LIBERAL ARTS SEMINAR

HS SEMINAR

ID: 1163

CREDIT: 0.25 (YEAR LONG) GRADE: 9, 10, 11, 12

As a Liberal Arts school, we emphasize the interconnectedness of knowledge and essential cognitive and literacy skills of a Liberal Arts education. To this end, each student is automatically enrolled in a quarter-credit seminar each year. Successful completion of Liberal Arts Seminar includes passing Reading, Tutorial, and the appropriate Thinking Theologically course. Underclassmen have required Thinking Theologically courses, upperclassmen elect Thinking Theologically courses based on their Trail selection(s).

READING

HS READ

ID: 1164

REQUIRED FOR SEMINAR GRADE: 9, 10, 11, 12

Reading consists of students engaging in independent, wide-ranging, and prolonged reading for enjoyment, learning, and cognitive development. Students are allowed to select any family-approved, print-text materials. Selection and access to materials is supported through our library services and thematic reading lists. This research-based approach to continuous self-selected reading is the primary mode for learning after formal

education and an essential practice for an educated mind.

TUTORIAL

HS TUTORIAL

ID: 1178

REQUIRED FOR SEMINAR GRADE: 9, 10, 11, 12

Tutorial students meet with their classroom math teachers to review, extend, and investigate math & science concepts in a tutorial format. Students bring prepared questions on Tutorial Request Forms based on the content of classroom assignments and tests. While this researched-based metacognitive process supports success in math classes, its greater impact is in training students in properly using resources, cooperative learning, and the development of problem solving schemas. Mastery of the tutorial process creates independent and resilient thinkers.

THINKING THEOLOGICALLY

A Liberal Arts education falls apart unless it is properly held together by the fear of the Lord and love of wisdom. In concert with our Theology coursework, this element of seminars is designed to emphasize the intellectual skills required for philosophical and theological thinking. Students receive training in logic, composition, and dialogue while



discussing the “big ideas” to apply the truth of the Bible to their lives as students, citizens, and children of God. The seminar format allows students to wrestle with big ideas in order to form a coherent and tested Christian worldview by graduation.

PHILOSOPHY OF EDUCATION & ENGAGEMENT

**09 TT PHIL OF E&E
REQUIRED FOR SEMINAR**

**ID: 1179
GRADE: 9**

Philosophy of Education and Engagement is a two-part course designed to understand and fully engage in a meaningful Christian liberal arts education, as students begin their journey through high school. Students are exposed to the historical traditions and philosophies of education throughout Western civilization that impact their experiences in schooling. Students also gain mastery of the Toulmin model of argumentation through multiple writing experiences. In addition to a theological grounding in learning, students are exposed to the many opportunities to belong and engage as a student at Flatirons Academy.

PHILOSOPHY OF THE STATE/ THE ESSAY

**10 TT PHIL OF S&E
REQUIRED FOR SEMINAR**

**ID: 1180
GRADE: 10**

Philosophy of the State/the Essay builds on a philosophy of education, tenth grade students are challenged to think through our dual citizenship in the American Republic and the Kingdom of God. Students are trained to understand a Biblical perspective on governance, man's myriad attempts at creating and maintaining systems of governance, and the challenge of living a faithful life in a pluralistic society. This seminar also includes direct instruction and mastery of the Classical Argument Essay. This time tested method of organizing an effective argument serves as a foundation for all future academic writing.

PHILOSOPHY OF MATH & SCIENCE

**11/12 TT PHIL OF M&S
REQUIRED FOR SEMINAR**

**ID: 1181
GRADE: 11, 12**

Philosophy of Math & Science is the pinnacle of the Math & Science Trail. Advanced mathematics and scientific progress are distinctly Christian ideas. In our current society, some will argue that there is a conflict between faith and science; nothing could be further from the truth. This course is designed to provide students with a historical perspective on the development of math and science, and its



philosophical reliance on a Christian worldview. Students will study the power and limitations of the scientific method, the orderliness of the universe, along with other classic ideas of natural theology. Students with a passion for math and science will be equipped to see these fields as the study of God's creation and His general revelation as they engage in advanced study in college.

THE GREAT WORKS OF WESTERN CIVILIZATION

11/12 TT G WORKS
REQUIRED FOR SEMINAR

ID: 1182
GRADE: 11, 12

The Great Works of Western Civilization is the pinnacle of the Humanities Trail. Students engage with the texts that shaped Western civilization. Starting in ancient Greece, moving through the Roman Empire, the early Church, the Middle Ages, the Reformation, the Enlightenment, to modern thinkers such as Darwin and Nietzsche, students journey to differentiate the Christian and secular influences on Western civilization. Taught from a distinctively Christian worldview, readings are followed by theological analysis, discussion, and meaningful composition. This survey course is designed to whet the appetite for a lifetime of reading.

FULFILLING THE CULTURAL MANDATE

11/12 TT CUL MAND
REQUIRED FOR SEMINAR

ID: 1183
GRADE: 11, 12

Fulfilling the Cultural Mandate is the pinnacle of the Cultural Engagement Trail. From the earliest pages of the Bible, we are commanded to exercise dominion, care, and stewardship over creation through family, vocation, cultural cultivation, etc... This course is designed to help students reimagine the meaning of their coursework, co-curricular experiences, future vocations, and creativity through this lens. Students engage in Biblical and theological reading, discussion, and composition to wrestle with this truth; moreover, students who are highly engaged in our school culture have multiple opportunities to apply these ideas to their time at Flatirons Academy. As graduates enter a rapidly and increasingly pluralistic society, these timeless truths orient students to a Christian view of humanity and equip students for a meaningful life.

PERSONAL PHILOSOPHY

11/12 TT PER PHIL
REQUIRED FOR SEMINAR

ID: 1184
GRADE: 11, 12

Personal Philosophy is designed to orient all students to the practice of thinking theologically for a lifetime.



Culture is asking "big questions," and desperately needs educated minds who can provide Biblical answers. Moreover, students are launching into a rapidly changing and pluralistic society that will continue to generate new unexpected questions. Building on Theology coursework, this class is designed to provide extensive inquiry into timeless cultural and philosophical questions from a Christian worldview. As students wrestle with these ideas through reading, discussion, and composition, they get answers. More importantly, they gain the skills for continually renewing their minds through the study and application of a Christian worldview to the challenges of their lives. This training creates students who are better prepared to be leaders in their homes, communities, and churches.



FLATIRONS
ACADEMY