



Christ Covenant School

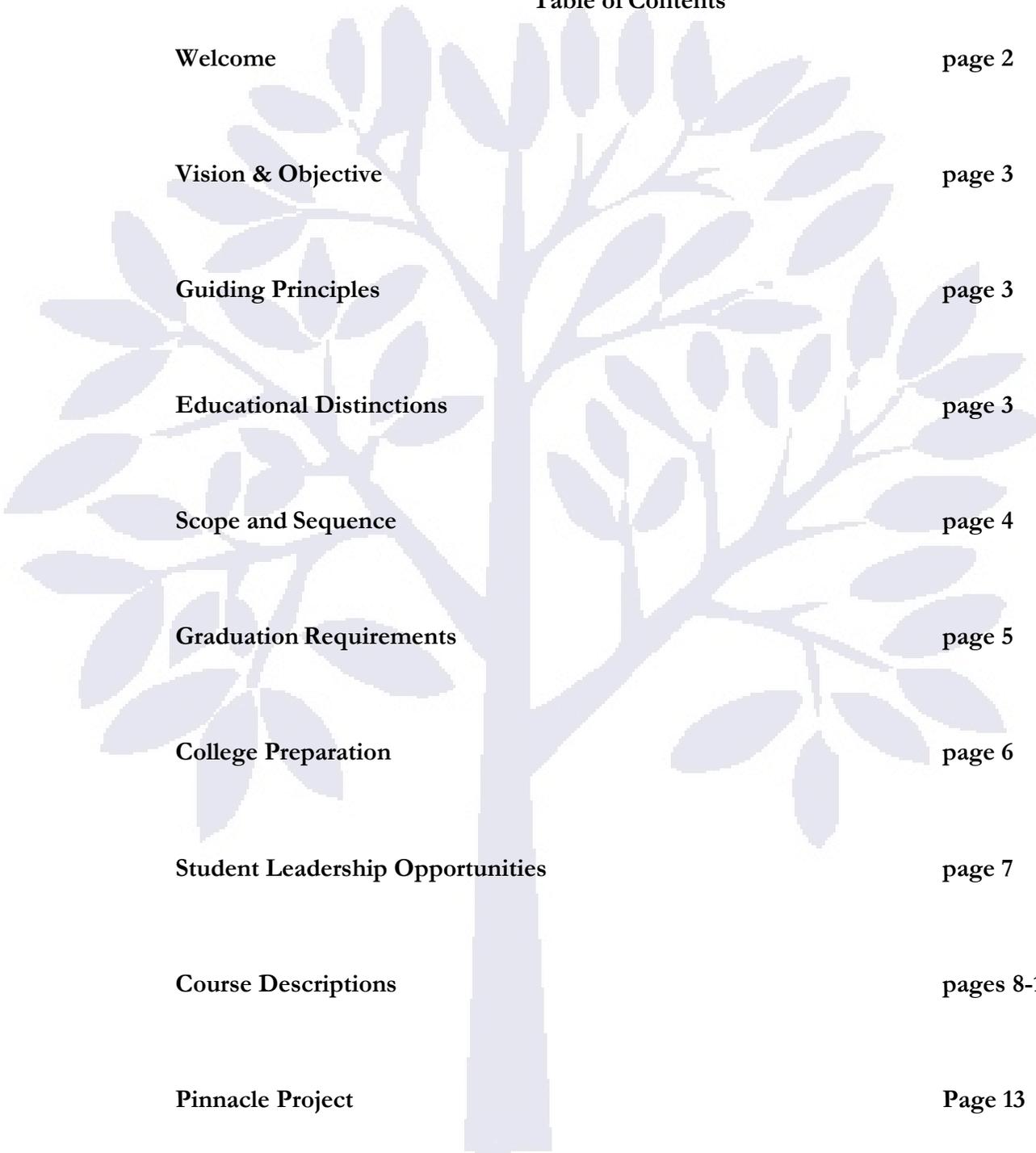
2016-2017

Upper School Catalog

Distinctive Education
Grounded in Truth

Updated April 2016

Table of Contents



Welcome	page 2
Vision & Objective	page 3
Guiding Principles	page 3
Educational Distinctions	page 3
Scope and Sequence	page 4
Graduation Requirements	page 5
College Preparation	page 6
Student Leadership Opportunities	page 7
Course Descriptions	pages 8-12
Pinnacle Project	Page 13
Sports Opportunities	page 14

Greetings Families,

Thank you so much for considering Christ Covenant School for your child. In order to best address the goals of our program, we would like to offer Daniel 1:4 as a Biblical paradigm of education. This section of Scripture describes a time of dire distress for the nation when the Babylonians had conquered the culture. The king sought counselors for his court, and his choice of Daniel and his cohorts demonstrates the qualities we wish to instill through a Christ-centered curriculum in our school.

Youths without blemish: This term describes the result of having a saving knowledge of the Lord Jesus Christ. We desire first that students encounter Jesus Christ with a saving knowledge that changes their hearts and sets them on course for an eternal life with Him.

Well-favored or good looking: These terms denote the favor and posture of young people who know they are loved. Our staff and community strive to create an environment where every child knows the goodness of God and understands what it means to be well favored in His sight.

Skillful in all wisdom: Beyond simple knowledge of the facts, these youth had the ability to use knowledge rightly and make the best choices in difficult situations. Our students not only possess knowledge, but also have the character to rightly apply God's word and make decisions that honor Him.

Endowed with knowledge: Knowledge includes all fields of science, math, and the physical world. Christ Covenant School students have the highest levels of learning available to complete their understanding of all subjects of study including AP classes in history, literature, science, and languages.

Understanding learning: This ability to think and discern truth for oneself provides the foundation for lifelong learning. A classical Christian education teaches youth not only the knowledge they need for today, but also the thinking skills that will propel them in the pursuit of Truth for their entire lives.

Competent to stand in the king's palace: The ability to serve is ultimately the ability to lead. Daniel and his friends had the deportment, manners, and confidence to enter the highest levels of society and give the answers needed for the nation's most pressing questions. Our students complete leadership projects and a Senior Pinnacle Project that allows them to address the pressing questions of our age.

To learn the language and the literature of the Chaldeans: Rather than hide our students from the competing philosophies of our culture, our Christ-centered education will equip them to engage in debates concerning the nature of truth in all subjects from biology to philosophy, politics, and ethics.

Daniel resolved himself that he would not be defiled with the rich delicacies that were offered to the other youth. This quality decision to follow God's standards is the ownership and maturity we seek to foster in the lives of our Upper School students. God honored these youth by making them **"ten times better"** than the competition. This ability to outshine the secular culture demonstrates the end result of a student trained in the Biblical methods that Christ Covenant School affirms.

Thank you for considering the difference.

Robert Lee
Head of School



Mission: Christ Covenant School is a community that loves, educates, and equips our students to transform the world for Jesus Christ.

Upper School Objective:

The Upper School focuses on equipping students with the college and career preparation they need to engage and transform the culture for Christ. We offer a thoroughly Christian, college preparatory curriculum, which completes the foundation established in our Lower School. We produce students who know their God, understand the times, and know how to effectively influence culture for Christ.

Guiding Principles: Christian, Classical, College and Career Preparatory

We are a distinctly Christian school focused on following Christ and obeying His commands to love God and love our neighbors.

We are a classical school committed to the Trivium of Grammar, Logic, and Rhetoric along with the study of classical literature and classical languages.

We are a college preparatory school dedicated to preparing our graduates for a successful transition to universities while equipping them to address the secular worldviews they will encounter in the college culture.

Educational Distinctions: What sets Christ Covenant apart from a secular education?

Biblical Foundation. CCS educates our students in the Scripture, creeds, and history of the Church while teaching youth to reason from Biblical principles in every situation in life. We welcome the mutually beneficial relationship with the various churches represented in our constituency with a focus on the doctrinal statements outlined in the Nicene Creed.

Spiritual Formation. The primary institutions through which students receive spiritual formation are the family and the Church, and CCS relies upon these institutions in order to achieve our highest aims. As an educational institution, CCS accepts the solemn responsibility of acting *in loco parentis* to develop the spiritual appetites and character of the students. We employ faculty who are mentors and specialists in their field, so that they might legitimately and persuasively instruct their students to imitate their lives as they follow Christ.

Scholarly and Pedagogical Excellence. Christians do everything for the glory of God with excellence, and each student must love the Lord with *all* their heart, soul, mind, and strength. Our curriculum demands rigor, and our faculty demonstrate excellence in their field of study while mentoring students in the pursuit of truth, goodness, and beauty.



SCOPE AND SEQUENCE 7th – 12th GRADES

	English	History/ Government	Math	Science	Theology	Foreign Language	Fine Arts/ Electives	Classical Studies
7	American Literature	American History/Govt.	Math 7 or Pre-Algebra	Earth Science	OT Survey	Latin 7	Art Music/Drama Life Essentials Digital Journalism	Socratic Tradition
8	World Literature	World History	Pre-Algebra or Algebra I	Physical Science	NT Survey	Latin I	Art Music/Drama Life Essentials Digital Journalism	Logic
9	Ancient Literature & Comp.	Ancient History	Algebra I or Geometry	Biology	Church History	Latin II or Spanish I	Art I Music/Drama I Life Essentials Digital Journalism	House Project I
10	British Literature & Comp.	European History with AP Option	Geometry or Algebra II	Chemistry	Hermeneutics	Latin III or Spanish II	Art II Music/Drama II Life Essentials Digital Journalism	House Project II
11	Honors or AP English Language & Comp.	United States History or AP United States History	Algebra II or Pre-Calculus	Physics or AP Biology	Christian Doctrine	AP Latin or Spanish III	Dual Enrollment Art III Music and Drama III Digital Journalism Life Essentials	House Project III
12	Honors or AP American Literature & Comp.	Political Philosophy and Government	AP Calculus or Business Math	AP Physics or Anatomy	Ethics	Latin Literature Or Spanish IV	Dual Enrollment Art IV Music and Drama IV Digital Journalism Life Essentials	House Project IV Senior Pinnacle Project

GRADUATION REQUIREMENTS

English – 4 credits

- Ancient Literature
- British Literature
- Honors or AP American Literature
- Honors or AP Composition

History – 4 credits

- Ancient History
- Medieval European History
- US History or AP US History
- Political Philosophy and Government

Mathematics – 4 credits

- Algebra I
- Geometry
- Algebra II
- Business Math
- Pre-calculus
- Calculus

Science – 3 credits

- Biology
- Chemistry
- Physics or AP Biology
- Anatomy or AP Physics
- Astronomy

Foreign Languages – 3 credits

- Latin I and Latin II
- Latin III or Spanish I
- Latin IV or Spanish II
- AP Latin or Spanish III
- Latin Literature or Spanish IV

Theology – 2 credits

- Church History
- Hermeneutics
- Christian Doctrine
- Ethics

Fine Arts – 2 credits

2 years of Art, Drama, or Music

Athletics or Other Extra-Curricular Activities – 2 credits

Each season of Athletic Participation = 0.5 credit, Life Essentials = 1 credit

Electives – 2 credits Advanced Music or Art, Foreign Language, Life Essentials/PE, Digital Journalism, Anatomy, Astronomy, Dual Enrollment, and online courses.

Senior Pinnacle Project – 0.5 or 1 credit

Total

26.5 Credits

COLLEGE PREPARATION

College and Career Guidance

To assist each student in fulfilling his or her God-given calling, CCS upper school students receive college and career counseling to identify areas of interest and the steps necessary to pursuing their college and career goals. Testing seminars, college visits, guidance and career counseling along with job shadowing opportunities help students determine the next step after graduation.

Standardized Tests

Our College Guidance Counselor offers assistance to help students and parents navigate the various standardized tests, scholarship opportunities, FAFSA, and application process for college admittance. We are accredited through the AdvancED Accreditation Agency and administer the Educational Record's Bureau (ERB's) standardized tests as a yearly indicator of student achievement. Additionally, students take PSAT tests beginning in 10th grade with tutorial and test-taking strategies for increased scores on the SAT and ACT.

<u>Tests offered at CCS</u>		<u>Tests encouraged</u>
7 th	ERB's	Duke TIP SAT (upon recommendation by teachers)
8 th	ERB's	NC End of Course Algebra 1
9 th	ERB's	PSAT
10 th	ERB's; PSAT	ACT
11 th	PSAT; AP's	ACT, SAT
12 th	AP's	ACT, SAT

Grade Point Average for Honors and Advanced Classes: GPA weighted averages are based on the North Carolina standards for quality points for Advanced Placement, Honors, and Dual Enrollment courses. We post both the weighted and unweighted GPA on student transcripts according to the most recently approved state standards. These standards award 2 quality points for AP courses, 1 for Dual Enrollment, and 1 for Honors. Beginning with the freshman class of 2015-16, these weights will change to 1 for AP and Dual Enrollment and .5 quality points for Honors courses.

Dual Enrollment Opportunities: High school students may elect to take supplemental courses offered through a different educational institution that has been reviewed by CCS. Dual enrollment courses may not be used in place of core courses offered by CCS. Grades earned in approved courses where no number average is given will be calculated at a rate of 95, 85 and 75 for A, B, and C respectively. Up to two courses per semester or 8 credit hours from outside institutions may be included on the transcript.

Academic Distinctions: Valedictorian and Salutatorian are conferred on the top two students based on unweighted GPA in conjunction with the overall numeric average of all classes taken in grades 9-12. In addition to receiving a diploma, graduates may also earn one of three traditional honors distinctions.

3.5 - 3.69	Cum Laude
3.7 - 3.89	Magna Cum Laude
3.9 - 4.00	Summa Cum Laude

LEADERSHIP DEVELOPMENT

Student Leadership

Formal positions of student leadership at Christ Covenant School are offered through the Prefect Council, Honor Council, and the National Honor Society. The primary purpose of each of these councils is to carry out the vision of the school and to encourage the same in the student body. Our students also experience leadership training through the House System, a competitive sports program, Chapel and Praise Band, and student service opportunities.

Prefect Council

The specific role of the Prefect Council is to nurture the social and spiritual morale of the student body. The Prefect Council provides the formal student leadership for the school and is charged with promoting social and spiritual morale, taking overall care of the school grounds and facilities, and giving input to the administration on school policies. The Prefects are student leaders who are particularly involved in mentoring and building relationships among students and across the grades. The Apostle Paul's exhortation to Timothy to "set the believers an example in speech, in conduct, in love, in faith, in purity" describes the fundamental role of the Prefects.

Honor Council

The specific role of the Honor Council is to model and implement community standards. Honor Council members lead by encouraging all students to uphold community standards, recommending just and fair consequences for errant behavior, and restoring those who come before them. In its role of upholding community standards, the Honor Council reviews alleged violations of expected standards of conduct and makes disciplinary recommendations to the Honor Council Advisor and Head of School.

House System

In addition to the Prefect and Honor Councils, the House System engages students in vibrant student-led fellowship and service across the grades. Each year, four separate Houses participate in academic, physical, and service-oriented competitions to develop a sense of school spirit and civic responsibility. Houses are modeled after Biblical themes and maintain character standards through a system of peer accountability. Each year, the House designs a group project in government, international affairs, business, or local community service to create productive members in the community.

Community Service and Shadowing

As a part of the Senior Pinnacle Project, students will be placed in service opportunities throughout the community where they connect with professionals in their field of interest and provide volunteer support for local businesses and charities. These shadowing opportunities will give them experience in their field of interest and provide valuable hands-on training.

9th GRADE COURSE DESCRIPTIONS

<p>Ancient Literature & Composition Honors In this course, students will enhance their appreciation for classical literature, develop the discipline of careful reading, and communicate written literary analyses with clarity, structure, and cohesion. Students will practice writing methods of description, comparison, narrative, and refutation, and employ these methods in crafting the overall argumentation of a thesis statement. 1 credit</p> <p>Primary Text: <i>Norton Anthology of Western Literature, The Lost Tools of Writing</i></p>	<p>Ancient History Honors In this course, students will gain a thorough and comprehensive knowledge of the major historical figures and events that shaped Western civilization, and learn to analyze cause and effect while developing a sound understanding of the chronological order of historical events. 1 credit</p> <p>Primary Text: <i>World History, Mapping the Human Journey: Ancient History</i></p>
<p>Geometry Honors In this course, students will master concepts such as points, lines, planes, angles, reason and proof, perpendicular lines, parallel lines, congruent triangles, quadrilaterals, proportion and similarity, right triangles, trigonometry, circles, polygons, surface area, volume, coordinate geometry, loci and transformations. 1 credit</p> <p>Primary Text: <i>Geometry - Integration, Application, Connection</i></p>	<p>Biology Honors A microscopic study of the cell and analysis of one of God's greatest creations, the human body. In this course, students will study cell structure and function, DNA and genetics, the homeostasis between plants and animals, the evolutionary theory, ecology, and human physiology. Students will not only master biological facts and ideas, but also will also gain skills in the laboratory and sharpen the skill of reading and comprehending science textbook. 1 credit</p> <p>Primary Text: <i>Essential Biology with Physiology, 2nd ed.</i></p>
<p>Latin II Honors This course conducts a thorough review of Latin grammar previously studied. As a precursor to reading Latin text by Roman authors, students translate and study the Latin Vulgate, Christian creeds, and liturgies. 1 credit</p> <p>Primary Text(s): <i>Vulgate</i></p>	<p>Spanish I A study of basic Spanish grammar, listening, and conversation. In this course, students will learn core vocabulary and master the present and preterit verb tenses in order to gain the ability to engage native speakers in basic level conversations. 1 credit</p> <p>Primary Text: <i>Realidades 1</i></p>
<p>Church History An analysis of the growth and expansion of the Christian church from the 1st to the 21st Century. In this course, students will develop an appreciation of the faithful realization and fulfillment of God's redemptive purpose in Christ as evidenced in the history of the church, understand their own Christian tradition, roots, and heritage, and seek to discover this generation's strategic place in the world in fulfilling the Great Commission of Jesus Christ. ½ credit</p> <p>Primary Text: <i>Church History in Plain Language</i>, Bruce L. Shelley</p>	<p>Studio Art I (Fine Art Elective) A studio-based foray into the basic elements of art and principles of design. In this course, students will use a variety of traditional art materials (pencil, pastel, paint, markers, clay and collage) to create projects that exhibit these elements and principles of art, and develop a broad understanding of the progression over time of visual art through the weekly study of art history. 1 credit</p>
<p>Music and Drama I (Fine Art Elective) A performance-based choral music class that combines music with the study of the craft of acting, focusing on the singular performer. In this course, students will participate in acting exercises, which cultivate their skills and culminate in their understanding of solitary acting by performing monologues. ½ credit per semester.</p>	<p>Life Essentials/Health (Elective) Modeled off the classical Greek training of body, soul, and mind, this advanced physical exercise program will promote activities outside and around the grounds that build the manual arts. Examples include organic garden work, beautifying the grounds, strength training and cardio workouts. ½ credit per semester.</p>

10th GRADE COURSE DESCRIPTIONS

<p>British Literature & Composition Honors A close reading of texts from the English Renaissance to the ushering in of the Modern age in Great Britain. In this course, students will further hone their literary and writing skills through Socratic discussion, annotation, and composition. 1 credit</p> <p>Primary Text(s): <i>Henry V</i>; <i>Paradise Lost</i> <i>Tale of Two Cities</i>; <i>Heart of Darkness</i>; <i>Prose Style: A Contemporary Guide</i></p>	<p>European History Honors (AP Test Optional) A survey of European history from the Late Middle Ages to the present. In this course, students will develop analytical skills and factual knowledge necessary to deal critically with problems and issues in European history. Emphasis is placed on critical and evaluative thinking skills, essay writing, interpretation of original documents, and historiography. 1 credit</p> <p>Primary Text(s): <i>The Western Heritage (since 1300)</i></p>
<p>Algebra II Honors An exploration of relations, functions, systems, sequences, series, and probability. In this course, students will learn to appreciate the beauty and utility of mathematics as they develop the ability to communicate mathematical ideas. 1 credit</p> <p>Primary Text(s): <i>Algebra and Trigonometry, Functions and Applications</i></p>	<p>Chemistry [with lab] Honors An examination of the foundations and principles of chemistry, providing a thorough preparation in the central science. In this course, students will gain an in-depth understanding of the chemical structure, properties, processes, and reactions that occur in the world around them, increasing their appreciation for the complexities of creation. 1 credit</p> <p>Primary Text(s): <i>Modern Chemistry</i></p>
<p>Latin III Honors Building on a thorough study of grammar and a graded reading of narratives, students begin reading literature by the Latin authors to develop vocabulary, fluency, and command of the language. 1 credit</p> <p>Primary Text(s): <i>Selections from Latin Literature</i></p>	<p>Spanish II Honors A study of Spanish grammar, focusing on reading and speaking as means toward fluency. In this course, students will develop vocabulary to discuss common activities and pastimes in Spanish, review the preterit and present verb tenses, and learn commands, imperfect, and subjunctive verbs. The goal is to move the students into a new level of conversation with native speakers. 1 credit</p> <p>Primary Text(s): <i>Realidades 2</i></p>
<p>Hermeneutics This course will serve as an introduction into the foray of interacting with and interpreting the Holy Scriptures, especially within their own literary and historical context. Emphasis will be placed on understanding the text as it has been understood in the Church throughout time, as well as evaluating the presuppositions and worldview of the interpreter. ½ credit</p> <p>Primary Text: <i>Introduction to Hermeneutics</i>, David Jasper</p>	<p>Studio Art II (Fine Art Elective) A studio-based course designed to develop the drawing, painting and sculptural expression of the human form. In this course, students will build on the basic elements and principles from Art I, utilize charcoal, clay, collage and paint to explore the human figure by studying bones, the skeleton and organic shapes in nature and self portraiture, and broaden their understanding of art history and ability to read and critique art. ½ credit per semester.</p>
<p>Music and Drama II (Fine Art Elective) A performance-based study of the craft of acting in which students take their skills as a solitary performer (developed in Drama I) and add a partner in order to cultivate the art of duet acting. In this course, students will participate in acting exercises, which develop these skills and culminate in the performing of duet scenes. ½ credit per semester.</p>	<p>Digital Journalism Honors (Elective MS or HS) A course focused on developing the skills required for creating and producing a CCS student yearbook. In this course, students will enjoy a creative but professional environment in which they learn and apply the practical issues of creating a newspaper, including different writing styles, editing practices, deadline policies, and industry-standard software such as Adobe's <i>In- Design</i>, <i>Illustrator</i>, <i>Photoshop</i>, and <i>Dreamweaver</i>. ½ credit per semester.</p>

11th GRADE COURSE DESCRIPTIONS

<p>Honors/AP English Language & Composition An exploration of language and its uses through the reading of fiction, non-fiction, and poetry by major American authors. In this course, students will analyze the rhetorical techniques, purposes, and style of various literary works, while also crafting their own written expression to communicate specific rhetorical purposes. Students will analyze and incorporate researched information in their writing and offer mature, well-supported argumentation to defend their opinions and ideas. 1 credit</p> <p>Primary Text(s): <i>As I Lay Dying; Scarlet Letter; The Sun Also Rises; Classical Rhetoric for the Modern Student; Writing with Clarity</i></p>	<p>Honors/AP United States History A survey of American history from the Age of Exploration and Discovery to the present. In this course, students will learn to assess historical materials—relevance to a given interpretive problem, reliability, and importance—and to weigh the evidence and interpretations presented in historical scholarship. Emphasis is placed on critical and evaluative thinking skills, essay writing, interpretation of original documents, and historiography as it relates to U.S. history. 1 credit</p> <p>Primary Text(s): <i>The American Pageant, The American Nation, America’s Providential History</i></p>
<p>Pre-Calculus Honors The study of the mathematics of algebra, exponentials, logarithms, trigonometric functions, matrices, determinants, probability, and conic sections, emphasizing critical thinking, problem solving and graphical interpretation and analysis. In this course, students will begin to see the subject of mathematics as a unified whole, as well as a useful tool used to model and solve problems. As a result, students will develop a foundation for future studies in mathematics, science, engineering, and other mathematically oriented subjects. 1 credit</p> <p>Primary Text(s): <i>Pre-Calculus with Limits, A Graphing Approach</i>, 3rd ed.</p>	<p>Physics [with lab] Honors/AP Physics (12th Grade) The exploration of the development of the great ideas and principles in physics, including the history of physics, its technological, philosophical and aesthetic aspects, and its place in the history of ideas. In this course, students will study basic principles such as motion, force, gravity, energy, waves, electromagnetism, relativity and quantum physics, which allow discussion and analysis of the behavior of all objects, from the sub-atomic realm to the entire universe. Students should develop critical thinking and problem solving skills so that they mature in their understanding of the nature and methods of science. 1 credit</p> <p>Primary Text(s): <i>Physics for Poets</i>, 5th ed.; <i>Holt Physics</i></p>
<p>AP Latin This course leads the student through the skills to read, comprehend and translate Latin using Virgil’s <i>Aeneid</i> in preparation for the AP Latin Exam. Students will develop contextualization and analysis of primary Latin works such as Caesar’s <i>Gallic War</i>. 1 credit</p> <p>Primary Text(s): <i>Aeneid</i>, Virgil, <i>Gallic War</i>, Caesar</p>	<p>Spanish III Honors A study of more advanced Spanish grammar and vocabulary in order to move beyond basic communication. In this course, students will master the formation and basic rules for all verb tenses available in the Spanish language, allowing them to communicate on some level with a native speaker, regardless of the topic or context. 1 credit</p> <p>Primary Text(s): <i>Realidades 3</i></p>
<p>Christian Doctrine This course will serve as an introduction to basic Christian orthodoxy. Particular attention is given to the God-man, Jesus of Nazareth, and his life, death and resurrection. Through careful examination of the creeds and controversies of history, students will encounter essential Christian beliefs on issues long-decided as well as contemporary doctrinal struggles. ½ credit</p> <p>Primary Text(s): <i>Christian Theology</i>, Alister McGrath</p>	<p>AP Biology A study of life focusing on the cell, genetics, heredity, organisms and populations, and physiology. In this course, students will gain important skills in the twelve labs performed throughout the year and study themes including science as a process, energy transfer, the merits and weakness in Darwin’s theory, continuity and change, relationship of structure to function, regulation, interdependence in nature, and science, technology, and society in preparation for the AP Biology exam. Students are required to study topics on their own in order to cover all necessary material. Successful completion of the AP Biology exam may enable students to receive credit for a freshman level college Biology course. 1 credit</p> <p>Primary Text(s): <i>Biology</i>, 6th ed.</p>

12TH GRADE COURSE DESCRIPTIONS

<p>Honors/AP American Literature & Composition The study of a broad selection of literary works from various genres and periods (novels, plays, poems, autobiography, and epic). In this course, students will carefully analyze these readings—their specific details, style, and themes—in order to develop their understanding of literary interpretation as the ability to discern multiple meanings in a given literary text. Students will also sharpen their facility in expressing their understanding of literature in short essays and critical reflections. 1 credit</p>	<p>Political Philosophy/Government Honors An introduction to some of the major thoughts in the history of western politics ranging from antiquity to the American founding. In this course, students will engage in a close reading of selections from primary texts in political philosophy in order to grapple with the enduring questions in with greater depth, clarity, and nuance. Students will trace the origins of political philosophy from Classical to Reformation and Renaissance writings, ending in the post-modern age. 1 credit</p> <p>Primary Text(s): <i>How Shall We then Live</i>, Francis Schaeffer</p>
<p>Ethics This course will serve as an introduction to prominent historical and contemporary Christian views in ethics, as well as an exploration into the ethical theories of our contemporary culture. Issues will range from meta-ethics (questions about ethics itself, including the grounding of moral obligation and ethical relativism) to normative ethics (theories of right and wrong and good and bad, i.e. virtue ethics, emotivism, utilitarianism) and applied ethics. 1 credit</p> <p>Primary Text(s): Aristotle, <i>Nicomachean Ethics</i>; Peter Kreeft, <i>Back to Virtue</i></p>	<p>Senior Pinnacle Project The Senior Pinnacle Project is the capstone of the curriculum at Christ Covenant School. In this course, students will select and research a topic, write a rigorous academic paper on that topic (under the direction of an advisor), and present and defend the paper publicly before an academic committee. Specific focus is given to developing, writing, and defending the paper, along with public speaking skills. ½-1 credit</p>
<p>Astronomy Honors (Elective) A capstone classical course that examines the nuances of cosmology and creation from a mathematical perspective. Students will explore the practical applications of calculus and high-level math along with the theoretical understandings of three-dimensional math. Students will tackle different theories of the origins and physics of the universe that have developed within the framework of science, philosophy, metaphysics, and theology. 1 credit</p> <p>Primary Text (s): <i>The Privileged Planet</i>, Guillermo Gonzalez and Jay W. Richards</p>	<p>AP Physics (Elective) The exploration of the development of the great ideas and principles in physics, including the history of physics, its technological, philosophical and aesthetic aspects, and its place in the history of ideas. In this course, students will study basic principles such as motion, force, gravity, energy, waves, electromagnetism, relativity and quantum physics, which allow discussion and analysis of the behavior of all objects, from the sub-atomic realm to the entire universe. Students should develop critical thinking and problem solving skills so that they mature in their understanding of the nature and methods of science. 1 credit</p> <p>Primary Text(s): <i>Physics for Poets</i>, 5th ed.; <i>Holt Physics</i></p>
<p>Latin Literature Honors (Elective) In this course, students will read and discuss selected Christian literature written in Latin. Beginning with early church fathers and tracing the great ideas that have formed Western Culture, students will examine the primary Latin texts from Augustine to Aquinas to Comenius. 1 credit</p>	<p>Spanish IV (Elective) An advanced study of Spanish grammar, emphasizing active communication in Spanish and aiming toward fluency in reading, writing, speaking, and listening. In this course, students will cover a wide array of vocabulary and become familiar with more intricate grammar rules in order to prepare for fluent conversations with native speakers with very few barriers. 1 credit</p>

11th & 12th Elective COURSE DESCRIPTIONS

<p>Business Math (Elective) A mathematical course designed to prepare students for future study in business, management, finance, accounting, economics and social sciences. In this course, students will solve financial problems, solve systems of linear equations and inequalities using graphs and matrices, determine the probability of events, and describe and analyze data graphically and numerically. Microsoft Excel and PowerPoint are key tools in computing, graphing, modeling, solving, and presenting work. 1 credit Primary Text(s): <i>Finite Mathematics, An Applied Approach</i>, 10th ed.</p>	<p>Gymnasium/Health (Elective) Advanced building and manual labors will be connected with the course designed to familiarize students with horticulture, business, and cultivating the land. Responsibilities include maintaining the grounds and building, leading physical and manual trainings, and designing structural complements to the garden and grounds. Modeled off the classical Greek training of body, soul, and mind, this advanced physical exercise program will promote activities outside and around the grounds that build the manual arts. Examples include organic garden work, beautifying the grounds, strength training and cardio workouts. ½ credit per semester.</p>
<p>AP Calculus (Elective) The study of the mathematics of change that enables us to model situations in the physical world. In this course, students will study limits, differentiation, integration, and applications with emphasis on those concepts required by the Advanced Placement program of the College Board, preparing for the AP Calculus AB exam. 1 credit Primary Text(s): <i>Calculus</i>, 6th ed. or equivalent</p>	<p>Anatomy (Elective) Students with interest in medicine and science will delve into detail of the human body system. “Fearfully and wonderfully made,” human anatomy will include the study of cells, tissues, and selected majors systems of the human body at both the microscopic and the structural levels. Students will learn skills important to the scientist, including safety procedures and appropriate use of anatomical specimens and dissection instruments. ½ semester.</p>

SENIOR PINNACLE PROJECT

The Pinnacle Project allows students to complete a project in an area of study within their field of interest. Students will receive insight and guidance from a teacher in their chosen field, and by the end of the course, produce a creative or scholarly work of publishable quality.

There are three options to consider for the project. Each of the options has a timeline, instructions, and related forms, which will guide the student through a gradual process of producing a product.

Literature Review

For each type of project, each student will complete a literature review related to the topic. The breadth and depth of the literature review should be a topic of discussion for the student and the faculty supervisor. The literature review should help the student approach the project with a scholarly base of knowledge related to the project topic. The review should be submitted with the final project, or it can be embedded in the project.

Option 1: Creative Project

This project is an original work of art, music, creative writing, or a performance-oriented work (e.g., write and produce an original play). The student is also required to complete a literature review and submit a description of the process, a rationale for the original work, and an explanation of the significance of the work.

Option 2: Research Project

In general, a research project will propose a question or topic that is new or innovative, include a review of current literature, and develop original ideas related to the thesis topic. The student will use the writing style (e.g. MLA, APA, etc.) that was listed in the Proposal Form. The manuscript should be of publishable quality.

Option 3: Scientific Experiment

This option allows students to conduct a scientific experiment that involves an innovative approach or a new research idea. The experiment should include a clearly articulated question, hypothesis, experimental design, results, conclusions, and possible prospects or suggestions for future research.

The purpose of the Pinnacle Project is to further develop the passion of our students and to guide them through the steps of producing a final thesis project. This project culminates the educational stage of rhetoric in a classical curriculum and allows each student to creatively express his or her contribution to the pursuit of goodness, truth, and beauty.

UPPER SCHOOL SPORTS
Middle School, JV, and Varsity

Fall: Men's Soccer
Women's Tennis
Women's Volleyball
Cross Country

Winter: Men's Basketball
Women's Basketball
Swimming

Spring: Men's Tennis
Men's Baseball
Women's Softball
Women's Soccer
Golf

