

Cristo Rey Atlanta Jesuit High School
Academic Course Catalog
2022-23



Cristo Rey Atlanta Jesuit High School is a Catholic learning community that educates young people of limited economic means, of any faith or creed, to become men and women for and with others. Through a rigorous college preparatory curriculum, integrated with a relevant work study experience, students graduate prepared for college and life.

Course Offerings “At a Glance”: Academic Year 2022-23

Freshman Year – Class of 2026

English: *English 9* or *Honors English 9*

Math: *Math 9* or *Honors Math 9*

Science: *Biology*

Social Studies: *World History I*

Theology: *Theology 9*

Computer Science: *Computer Science 9*

Wellness: *PE/Health*

CWSP: *Corporate Work Study 9*

Sophomore Year – Class of 2025

English: *English 10* or *Honors English 10*

Math: *Math 10* or *Honors Math 10*

Science: *Chemistry*

Social Studies: *World History II* or *AP World History – Modern*

Theology: *Theology 10*

Computer Science: *Computer Science 10*

World Languages: *Spanish I*

CWSP: *Corporate Work Study 10*

Junior Year – Class of 2024

English: *English 11* or *AP English Language and Composition*

Math: *Math 11* or *Honors Math 11*

Science: *AP Environmental Science*

Social Studies: *United States History* or *AP United States History*

Theology: *Theology 11*

Computer Science: *Computer Science 11* or *AP Computer Science A*

World Languages: *Spanish II*

CWSP: *Corporate Work Study 11*

Senior Year – Class of 2023

English: *English 12* or *AP English Literature and Composition*

Math: *Math 12* or *AP Calculus AB*

Science: *Physics* or *Honors Physics*

Social Studies: *Government (S1)* and *Economics (S2)*

Theology: *Theology 12*

World Languages: *Spanish III*

Seminar: *Honors Seminar* or *AP Seminar*

CWSP: *Corporate Work Study 12*

English Department (includes World Languages courses)
Department Head: Mrs. Danielle Davis

Eng09: *Multi-Cultural Encounters (English 9)* bridges the gap between students' prior work in middle school and the demands of a college-preparatory high school curriculum. Short works of fiction and nonfiction are studied, as are 1-3 longer literary works. Writing instruction starts with the composition of well-structured paragraphs and eventually moves to an introduction of the five-paragraph essay format. The course includes grammar and vocabulary instruction as well.

Eng09H: *Multi-Cultural Encounters (Honors English 9)* bridges the gap between students' prior work in middle school and the demands of a college-preparatory high school curriculum. Short works of fiction and nonfiction are studied, as are 3-4 longer literary works. Writing instruction focuses on mastering paragraph and essay structures that students will need in higher-level courses. The course will place a heavy emphasis on grammar and vocabulary instruction as well.

Eng10: *Classics of Western Literature (English 10)* requires students to read selected short works of fiction and nonfiction as well as 1-3 longer literary works; selections are typically less complex than those studied in the Honors course. Students improve their capacity to write well-structured paragraphs and essays, and they expand their competence in grammar and vocabulary as well. Coverage of basic research techniques (including MLA citation) and plagiarism avoidance is also included in the course. Students moving from English 10 to AP English Language and Composition during their Junior year should speak to the 10th grade English teacher to become informed of rhetorical concepts that are covered in Honors that may also be needed for AP.

Eng10H: *Honors Classics of Western Literature (Honors English 10)* prepares students for the reading demands of AP courses through the study of short works of fiction and nonfiction as well as 1-3 longer literary works. Writing instruction focuses on mastering paragraph and essay structures that students will need in higher-level courses. As further preparation for later English courses, students learn select literary and rhetorical devices. Grammar and vocabulary instruction as well as coverage of basic research techniques (including MLA citation) and plagiarism avoidance are also included in the course.

Eng11: *American Literature (English 11)* primarily covers texts from the United States with an emphasis on excerpts of fiction and nonfiction. Additionally, students master foundational writing elements such as argumentative thesis writing and essay structures to form a strong foundation for completing timed essays during Senior year. Compositions will include but, depending on student needs, may not be limited to argumentative essays. Grammar and vocabulary instruction are also included in the course, as are 1-3 longer literary works. MLA citation techniques are also reviewed. Students enrolled in this course may receive approval to take AP English Literature and Composition during their Senior year.

Eng11A: *AP English Language and Composition* prepares students for the College Board's AP exam in May. Students focus primarily on works of nonfiction, with emphasis on rhetorical analysis, argumentation, and synthesis of sources. Through selected composition assignments,

students develop the rhetorical effectiveness of their writing. Topics in grammar will appear in this course if needed, and students study vocabulary as well. Readings typically originate from the United States and may include longer works of literature or nonfiction. MLA citation techniques are also reviewed.

Eng12: *Global World Literature (English 12)* covers world literature with a focus on novels, plays, and a book-length work of literary nonfiction. Texts covered in this course are typically less difficult than those covered in the Senior AP English course, and the near-nightly reading assignments tend to be shorter. In addition, the course covers roughly a dozen chapters of grammar from a college-level textbook. Writing tasks focus almost exclusively on timed assignments, and students study vocabulary as well.

Eng12A: *AP English Literature and Composition* prepares students for the College Board's AP exam in May. Students increase their skills in analyzing complex novels, plays, and poems from around the world, but with some emphasis given to British texts. Many essays focus on improving students' timed writing skills, though students compose typed essays as well. Coverage of vocabulary (including poetic devices) is also included, and reading homework is assigned on a near-nightly basis.

Eng12H: *Honors Seminar* requires students to complete one individual project and one team project from AP Seminar, both of which require research and written reports. Students will receive additional guidance on these tasks, and the restraints that the College Board imposes on AP Seminar students will not apply.

Eng12S: *AP Seminar* requires students to conduct four research projects involving the evaluation of complex, real-world issues through multiple points of view and resulting in proposed solutions. These projects include written research reports and argumentative presentations, completed both individually and through collaborative teams. Students improve their use of academic databases, proper research techniques, MLA citation skills, and relevant computer applications. Unlike other AP courses, AP Seminar requires students to submit two projects to the College Board in addition to the AP exam.

Spa10: *Spanish I* is a broad-based course designed to introduce the student to all aspects of foreign language study. Vocabulary and grammar, reading and writing, listening and speaking are some of the skills included in the instruction. Daily classroom experience will provide oral proficiency, as well as an appreciation and development of cultural awareness through various readings, media resources, and authentic materials.

Spa11: *Spanish II* requires students to advance their study of the language by developing their communication skills, increasing their vocabulary, and studying past tense verb forms (preterite, imperfect, and present perfect). Students continue to practice listening to and understanding the spoken word, reading Spanish texts, and using the language to orally communicate and write about a variety of topics.

Spa12: *Spanish III* provides continued enrichment of intermediate grammar and vocabulary. The course places an emphasis on listening, writing, and speaking in the target language, and expanding cultural understanding.

Math Department

Department Head: Ms. Colleen Hunsberger

Mth09/Mth09H: *Math 9/Honors Math 9* introduce students to variables, algebraic expressions, equations, inequalities, functions, and all their multiple representations. In these courses, students develop the ability to explore and solve real world application problems, demonstrate the appropriate use of graphing calculators, and communicate mathematical ideas clearly. This course lays the foundation for mathematical literacy that will help students be successful in every subsequent course in mathematics. The courses align with the Cristo Rey Network benchmarks. Material will also be relevant to ACT and SAT math content, preparing students to excel on those exams.

Mth10/Mth10H: *Math 10/Honors Math 10* are designed to build on the foundational knowledge acquired in Algebra I. The courses' curriculum aligns with the Cristo Rey Network benchmarks. Concepts include but are not limited to equations, functions, quadratics, radicals, polynomials, exponentials, logarithms, and rationals. Material will also be relevant to ACT and SAT math content, preparing students to excel on those exams.

Mth11/Mth11H: *Math 11/Honors Math 11* are designed to build on the foundational knowledge acquired in Algebra I and Algebra II. The courses align with the Cristo Rey Network benchmarks for Pre-Calculus and Trigonometry. Concepts include but are not limited to equations, functions, polynomials, rationals, exponentials, logarithms, and imaginary and complex numbers. Geometry content will be included as needed. Material will also be relevant to ACT and SAT math content, preparing students to excel on those tests. Honors Math 11 will particularly serve as a bridge to AP Calculus AB for those who plan to take this as the Senior-level math course.

Mth 12: *Math 12* emphasizes understanding of the real number system and knowledge of the fundamentals of Algebra and algebraic skills. The course provides a foundation for solving problems involving equations and inequalities of rational, radical, and exponential polynomial functions including but not limited to quadratics, exponentials, logarithmic and complex numbers.

Mth12A: *AP Calculus AB* strengthens students' understanding of functions in preparation for the process of differentiation and integration. Calculus concepts include but are not limited to limits and continuity, derivatives, definite integrals, exponential and logarithmic functions, trigonometric functions, and techniques of integration. Emphasis is placed on the exploration of real-world calculus applications. Topics are presented in multiple ways, such as verbal/written, numeric/data-based, algebraic, and graphical. Students will be prepared for the AP exam in May.

Science Department (includes Wellness course)

Department Head: Mr. Stanmore Hinds

Sci09: *Biology* provides an introduction to the basics of life, including the scientific method, taxonomy, cell biology, reproduction, genetics, ecology, and evolution. Students maintain an interactive notebook to structure their learning experience. Labs enable them to further understand and apply the concepts they learn in class. This course also seeks to improve students' study habits, organization, note-taking, communication, and writing.

Sci10: *Chemistry* is an introductory course for students in a college preparatory program. Students develop their understanding of chemical principles and concepts using lecture, demonstrations, experimentation, observations, and activities (both individual and group). The scope of the chemistry class teaches the Sophomores that chemistry is the study of matter, its properties, how substances combine or separate to form new substances, and how substances interact with energy.

Sci11A: The *AP Environmental Science* course is designed to be the equivalent of a one-semester, introductory college course in environmental science. The goal of this interdisciplinary course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course helps students to identify and analyze environmental problems, both natural and human-induced. The course also enables them to learn how to assess the risks associated with these problems and to evaluate alternative solutions for resolving or preventing them. To accomplish this goal the course defines concepts, skills, and understandings required by representative colleges and universities for granting college credit and placement. The students will be prepared for the AP exam that is administered in May.

Sci12: *Physics* is an introductory course that challenges students to understand, and in many cases quantify, how energy presents itself in the world around them. This is done through lab experiences, lab-write ups, theoretical practice, and discussions. Topics include motion, power, waves, and circuits.

Sci12H: *Honors Physics* is an introductory course that challenges students to understand, and in many cases quantify, how energy presents itself in the world around them. This is done through lab experiences, lab-write ups, theoretical practice, and discussions. Topics include motion, power, waves, and circuits. Honors Physics is unique in that students are expected to create something new with the tools given to them and then determine how information discussed in class could apply to a new situation or determine how two or more concepts fit together. Students are encouraged to extend their understanding of subject material in a variety of ways including answering challenge questions or discussing the relevance and application of lab data in a real-life situation.

HP09: *Wellness (Physical Education and Health)* is designed for high school students to understand the need and assume the responsibility for maintaining a healthy lifestyle long-term. Physical fitness, the ability to carry out daily tasks with vigor and alertness, is one component of positive lifestyle management. The other aspects are health and wellness.

Social Studies Department
Department Head: Mr. Brandon Render

SS09: *World History: The Ancient World (World History I)* covers human history from ancient times up to approximately 1000 CE. The course will also address the following themes from human and physical geography: beliefs and ideals (religion), conflict and change, conflict resolution, culture, distribution of power, governance, location, human movement/migration, production, distribution, consumption, economy and international trade, rule of law, technological innovation and art, landforms, and maps.

SS10: *World History: The Modern World (World History II)* is designed to educate students about events and moments in world history that have shaped the world. Through the examination of past events students will have a clear view of current international policies and relations of nations around the world. The period covered in this course ranges from approximately 1000 CE to current events around the world.

SS10A: In *AP World History: Modern*, students investigate significant events, individuals, developments, and processes from 1200 CE to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and, utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that explore connections among different historical developments: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation. The students will sit for the AP exam in May.

SS11: *United States History* provides a basic survey from the pre-Columbian era to the present. Students in this course will analyze and then draw conclusions as to why certain American historical events happened and how these events still influence our society today.

SS11A: *AP US History* is a challenging course that is meant to be the equivalent of a Freshman-level college course. The course is a two-semester survey of American history from the pre-Columbian era to the present, emphasizing the development and changing nature of American society. It is in some ways more difficult than a college course in that our examination of American history must be finished more than a month before the end of the school year since it culminates in a rigorous, nationally-administered AP exam.

SS12G: The Senior-level *Government* course is a one-semester course and is designed as a basis of study about how the American political system works. There is an extensive examination of the Constitution as well as of the legislative, executive, and judicial branches of government. Citizenship rights and responsibilities are emphasized, and the policy-making process is explored in depth.

SS12: The Senior-level *Economics* course is a one-semester course that provides students with a better understanding of both microeconomics and macroeconomics. Students are introduced to basic economic systems and concepts and will gain an understanding of how to become more knowledgeable consumers and citizens through discussion of current events and issues.

Theology Department
Department Head: Dr. Alan McGill

The09: *Theology 9* provides an introductory understanding of the beliefs, practices and behaviors of the Catholic Christian faith, as well as identifying several major criteria for interpreting and understanding Sacred Scripture.

The10: *Theology 10* focuses on Christology and Ecclesiology: the study of the person and mission of Jesus Christ (Christology), particularly in relation to Salvation History; and, the study of the nature and mission of the Church (Ecclesiology). We will consider how Christ's ministry and our own ministry as Church influence our lives and our world.

The11: *Theology 11* encompasses two courses: The Semester 1 course, "Philosophical Theology – Finding God in All Things," adopts an academic and Ignatian perspective so as to address the question as to what is meant by the term "God" and what it means to say that God exists. The Semester 2 course, "Moral Theology," explores the basis for moral decision-making and applies Catholic teaching and ethical theories to a range of life and death issues including abortion, the death penalty, euthanasia, suicide, war, violence, and other topical issues as they arise

The12: *Theology 12* provides the opportunity to think critically about important questions of faith, religion, God, and the meaning of human life. The course is divided into two parts: World Religions and Catholic Social Teaching. In Semester 1, we will explore the debate over the existence and nature of God, as well as how various religions have sought to explain and experience God. In Semester 2, we will study the Catholic Church's teachings on the economy, environment, race, criminal justice, immigration, poverty, abortion, the death penalty, and war.

Computer Science Department
Department Head: Ms. Alean Cook

CS09: *Computer Science 9* is an introductory course that focuses on business computing and includes Microsoft units on Excel certification, Word certification, and PowerPoint certification. After successful completion of each unit, the student will have the opportunity to take the Microsoft Certification Exam.

CS10: *Computer Science 10* provides students with an overview of computer science and its many applications. Units include EarSketch (music), Arduino (electronics), Code.org (basic coding in Java), and PhotoShop (graphics).

CS11: *Computer Science 11* introduces students to coding using both Java and Python.

CS11A: *AP Computer Science A* introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language. The course is equivalent to a first-semester, college-level course in computer science, and students will sit for the AP exam in May.

Corporate Work Study Program**Director of Corporate Work Study: Mr. David O'Shea**

WkS (Grades 9, 10, 11, and 12): The *Corporate Work Study Program* (CWSP) is designed to prepare students to successfully navigate and function effectively in the corporate world. The course is designed to foster two major skills: 1 – Cristo Rey Atlanta Jesuit students will have the skills to solve problems in the workplace. The course objective is to prepare each student to make a meaningful impact at work. 2 – Cristo Rey Atlanta Jesuit students will be prepared to foster and maintain professional relationships.