

**Cristo Rey Atlanta Jesuit High School**  
**Academic Course Catalog**  
**2023-24**



*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 2023-24

### Freshman Year – Class of 2027

English: *English 9* or *Honors English 9*  
 Math: *Integrated Math 1* or *Honors Integrated Math 1*  
 Science: *Biology* or *Honors Biology*  
 Social Studies: *World History 1 (Ancient)*  
 Theology: *Theology 9*  
 Computer Science: *Computer Science 9*  
 Wellness: *PE/Health*  
 CWSP: *Corporate Work Study 9*

### Sophomore Year – Class of 2026

English: *English 10* or *Honors English 10*  
 Math: *Integrated Math 2* or *Honors Integrated Math 2*  
 Science: *Physical Science* or *Honors Chemistry*  
 Social Studies: *World History 2 (Modern)* or *AP World History: Modern*  
 Theology: *Theology 10*  
 Computer Science: *Computer Science 10*  
 World Languages: *Spanish 1*  
 CWSP: *Corporate Work Study 10*

### Junior Year – Class of 2025

English: *English 11* or *AP English Language and Composition*  
 Math: *Integrated Math 3* or *Honors Integrated Math 3*  
 Science: *Environmental Science* or *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 2*  
 CWSP: *Corporate Work Study 11*

### Senior Year – Class of 2024

English: *English 12* or *AP English Literature and Composition*  
 Math: *Statistics* or *Calculus*  
 Science: *Physics* or *Honors Physics*  
 Social Studies: *Government (S1)* and *Economics (S2)*  
 Theology: *Theology 12*  
 World Languages: *Spanish 3*  
 Seminar: *Honors Seminar* or *AP Seminar*  
 CWSP: *Corporate Work Study 12*

## English Department

**Department Head: Mrs. Danielle Davis**

Eng09/Eng09H: *English 9 / Honors English 9 (Multi-Cultural Encounters)* 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.

Eng10: *English 10 (Classics of Western Literature)* 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 English 10 (Classics of Western Literature)* 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: *English 11 (American Literature)* 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: *English 12 (Global World Literature)* 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.

## Math Department

**Department Head: Ms. Colleen Hunsberger**

Mth09i/Mth09iH: The *Integrated Math 1* course is written to align with the first of three courses in the integrated pathway of the Common Core State Standards. Each of the three courses, Math 1, Math 2, and Math 3 contain standards from number and quantity, algebra, function, geometry, and statistics and probability. The major purpose of Math 1 is to formalize and extend the mathematics that students learned in the middle grades, including working with linear and exponential functions, solving systems of equations and inequalities, using rigid transformations to explain geometric relationships, and analyzing data. Students in Math 1 will solidify and extend their understanding of functions, solving equations, and data analysis. The Mathematical Practice Standards apply throughout each course and, together with the content standards, create mathematical learning experiences based upon reasoning and sense-making, building perseverance and problem-solving skills, and rich in mathematical discourse.

Mth10i/Mth10iH: *Integrated Math 2* is designed to build upon student understanding of functions developed in *Integrated Math 1*. Throughout the course, students will deepen their understanding of both familiar functions and newer, more complex functions and learn how to manipulate them to create models for real-world data. The first three units allow students to review their learning of linear, quadratic, and exponential functions as they deepen their understanding of inverse functions. Students are introduced to logarithmic functions, continuing their development of inverse functions and performing arithmetic operations on polynomials. The work in these first three units also prepares students to engage with other functions throughout the rest of the course. All of the work on functions is grounded in transformations.

Mth11i/Mth11iH: The *Integrated Math 3* course is written to align with the third of three courses in the integrated pathway of the Common Core State Standards. The major purpose of Math 3 is to extend the mathematics that students learned in Math 1 and Math 2, including deepening their understanding of both familiar functions and newer, more complex functions and learning how to manipulate them to create models for real-world data.

Mth12ST: *Statistics* is designed as an introduction to the study of probability and statistics. Students will formulate questions that can be addressed with data and collect, organize, and display relevant data to answer them. They will select and use appropriate statistical methods to analyze data. Students will develop and evaluate inferences and predictions that are based on data. Students will be able to use a basic understanding of probability to make and test conjectures about the results of experiments and simulations.

Mth12H: *Calculus* is designed to build upon an understanding of math skills learned throughout high school. Calculus studies functions, limits, differentiation and integration with application in maxima and minima problems, area and volume, differential equations, and numerical methods of equation solving.

## Science Department (includes Wellness course)

**Department Head: Mr. Stanmore Hinds**

Sci09/Sci09H: *Biology / Honors 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.

Sci10P: *Physical Science* is designed to continue student investigations of the physical sciences by providing students with an overview of Chemistry and Physics. The standards in this course are designed as a survey of the core ideas in the physical sciences. Those core ideas will be studied in more depth during the chemistry and physics courses. The physical science standards include abstract concepts such as the conceptualization of the structure of atoms and the role they play in determining the properties of materials, motion and forces, the conservation of energy and matter, wave behavior, electricity, and the relationship between electricity and magnetism. The idea of radioactive decay is limited to the understanding of whole half-lives and how a constant proportional rate of decay is consistent with declining measures that only gradually approach zero. Students investigate physical science concepts through the study of phenomena, experiences in laboratory settings, and field work.

Sci10H: *Honors 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.

Sci11: *Environmental Science* is focused on developing an awareness of environmental issues and solutions. Students will identify and analyze current environmental issues, both natural and human induced, and report their findings. The course will introduce students to the required skills to perform a scientific assessment and research using the sciences of biology, chemistry, and the social sciences of economics and politics.

Sci11A: *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 registered in the AP course will be prepared for the AP exam administered at the end of the spring semester.

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: *To Be Announced***

SS09: *World History 1 (Ancient)* 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 2 (Modern)* 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.

SS12E: 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**

CompSci09S: This *Microsoft Office Specialist (MOS)* introductory course focuses on business computing and includes Microsoft units on Excel certification, Word certification, and PowerPoint certification. Microsoft is a leader in office productivity software, offering busy professionals the tools they need to collaborate and present their ideas in the workplace. Whether it is editing a document using Word, organizing numbers with Excel, or developing engaging and interactive presentations using PowerPoint. Microsoft Office knowledge and skills are critical in today's fast-paced digital economy. Becoming a Microsoft Office Specialist tells the world about your expertise in critical Microsoft Office products. By leveraging the Microsoft brand, students can stand out from the corporate crowd, attract, and win new business opportunities, and get their resume noticed. After successful completion of each unit, all students will have the opportunity to take the Microsoft Office Specialist Certification Exam.

CompSci10S: The *Computer Discoveries* course provides students with the tools of computational understanding so students can use computational thinking, design thinking, and industry standard tools to create innovative products and solve problems encountered in both university studies and the workplace. Computer Discoveries gives the student an overview of Computer Science and its many applications. Units include EarSketch (music), Arduino (electronics), Code.org (basic coding in Java), and Photoshop (graphics). In the end, these tools allow students to become creators of computing systems.

CompSci11S: The *Intro to Java* course is a year-long course designed to help students master the basics of Java. All learning materials and resources teachers and students need for a successful year-long Java course can be found on the CodeHS website. The course utilizes a blended classroom approach. The content is fully web-based, with students writing and running code in the browser. Teachers utilize tools and resources provided by CodeHS to leverage time in the classroom and give focused 1-on-1 attention to students. Each unit of the course is broken down into lessons. Lessons consist of video tutorials, short quizzes, example programs to explore, and written programming exercises, adding up to over 100 hours of hands-on programming practice in total. Several units have free response questions that have students consider the applications of programming and incorporate examples from their own lives.

CompSci11A: The *AP Computer Science A* course 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. AP Computer Science A is equivalent to a first-semester, college-level course in computer science.

**World Languages Department**  
**Department Head: Mrs. Bibiana Marlar**

Spa10: *Spanish 1* 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 2* 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 3* 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.

**Corporate Work Study Program****Director of Corporate Work Study: Mrs. Angela Acevedo**

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.