
Course Offerings



CANTERBURY
SCHOOL

Course Offerings

COURSES BY DEPARTMENT

Canterbury School reserves the right to withdraw, change, or add courses and to offer courses in terms other than those designated in the listing.

Digital Communication, Design, and Innovation

Our Digital Communication, Design, and Innovation program focuses on the development, use, and management of computer science and communication technologies. Our curriculum places emphasis on innovation and the design process in order to prepare students to function as developers and managers of digital applications and content.

Courses include instruction in programming and robotics, as well as the design and development of digital animation, photography, audio, and video.

MAJOR COURSES

DIGITAL PHOTOGRAPHY (FALL)

Students will produce a portfolio of finished works while responding to the guiding question: How does perspective impact an image's message? Taking photographs from extreme points of view, students will focus on composition and the basic elements of design: line, value, shape, form, color, and texture. Creativity and self-expression will be encouraged as students have the freedom to explore while simultaneously working within the parameters of each assignment. Other topics covered will be depth of field, shutter speed, and basic image editing using Adobe Photoshop. This course earns credit towards the Studio and Performing Arts graduation requirement.

DIGITAL ILLUSTRATION (FALL OR SPRING)

This course offers an introduction to Adobe Photoshop and the basics of illustration. Students will learn how to navigate and organize the Photoshop UI, create custom brushes, use layers and layer effects, and design text to pair with imagery, among other basic skills, through projects focused on concept art and illustrated media. Projects will include illustrating a book cover, designing patterns, creating a character sheet, and painting a panoramic animation background. This course earns credit towards the Studio and Performing Arts graduation requirement. *For Fourth, Fifth, and Sixth Form students. Recommended Prerequisite: Drawing (not required)*

DIGITAL MEDIA AND VIDEOGRAPHY (FALL OR SPRING)

This course gives an overview of video production and digital media. Through a series of projects, students will be challenged to create short films to learn how to storyboard, frame their shots and edit everything together, plan and shoot interviews to learn about studio lighting, learn about audio production by planning, recording, and publishing podcasts, and finally, bring all these skills together by making a mini-documentary. Throughout the semester, students will also learn how to work together, plan effectively, and manage the people involved in their productions, all while developing their ability to think creatively and work under a deadline. *For Fourth, Fifth, and Sixth Form students. This course earns credit towards the Studio and Performing Arts graduation requirement.*

ENGINEERING (FALL OR SPRING)

This course encourages students to pursue engineering questions and technological solutions that emphasize research and problem-solving using mathematical and scientific concepts. Students achieve a more advanced level of skill in engineering design by learning how to conceptualize a problem, develop possible solutions, design and build prototypes or models, and make modifications if necessary. Students will explore engineering design, construction technologies, energy and power technologies, including fluid systems, thermal systems, electrical systems, and communication and manufacturing technologies. *For Fifth and Sixth Form students.*

English

The members of the English Department strive to develop in each student the reading, writing, speaking, and critical thinking skills they will need to meet the demands of a college curriculum. Novels, plays, short stories, and poems expose students to a rich variety of classic and contemporary world literature and encourage an appreciation for literature from other cultures and genders. Canterbury students practice public speaking, discussion as shared inquiry, and drafting and revision techniques to produce polished essays in different modes, including narrative, descriptive, and analytic. Fifth and Sixth Form students, except students in AP Language and AP Literature, select two semester-long English electives.

THIRD FORM ENGLISH – THE ELEMENTS OF LITERATURE & COMPOSITION

Studying a variety of short stories, plays, novels, and poems, students examine how authors use literary tools to tell moving stories. Readings may include *Salt to the Sea*, a collection of short stories, plays, and poetry. Students learn to write effective sentences and paragraphs and have the opportunity to practice the previously mentioned essay modes. The study of grammar includes instruction on avoiding common writing problems.

FOURTH FORM ENGLISH – AMERICAN VOICES

This course explores what it means to write with a unique “American voice.” Students consider how this definition has evolved since the birth of our nation by tracing its development through poetry, prose, drama, and film. The curriculum explores the complexities of society and the individual, the role of nature, historically neglected voices, and the American Dream. Students also explore current issues and high-interest topics through the close analysis of literature. The writing curriculum focuses on developing organized paragraphs and extended essays while practicing various essay modes essential for their future coursework. *Honors section available.*

ADVANCED PLACEMENT ENGLISH LANGUAGE

This course cultivates the reading and writing skills that students need for college success and for intellectually responsible civic engagement. Students are guided to become curious, critical, and responsive readers of diverse texts and become flexible, reflective writers of texts addressed to diverse audiences for diverse purposes. Reading and writing assignments in the

course invite expanded writing agency and deeper understanding of how rhetorical language functions to communicate writers’ intentions and elicit readers’ responses in particular contexts. Fifth Form students enrolled in this course are *required* to take the exam in May.

ADVANCED PLACEMENT ENGLISH LITERATURE

This course orients students to read, write, and think with refined focus, precision, depth, and stamina. By engaging with substantial, challenging, and significant literary works, students explore authors’ use of language to elicit engagement, meaning, and response from their readers. Writing assignments invite students to work deliberately and methodically through the writing process in order to communicate ideas to a high standard of intent, clarity, and impact. Students deliberately practice these skills in formal, analytical discussion. Fifth Form students enrolled in this course are *required* to take the exam in May.

FIFTH AND SIXTH FORM ELECTIVES

ACADEMIC WRITING (FALL)

This course focuses on the foundational skills and elements of academic writing. Students will explore analysis, exposition, critical reflection, and research through their writing. The course aims to give students the agency to explain their thought and reasoning through summary, comparison, contrast, evaluation, synthesis, and problem-solving. Students will also need to engage in scholarly discourse and reading to supplement and support their written work. Finally, students will understand writing as a communal process through revision, constructive criticism, and feedback.

COURSE OFFERINGS

English

HONORS IDENTITY AND CULTURE (FALL)

Honors Identity and Culture is a complex study of the way our outward appearance and identity have shaped the history of individual experience, communities, and both domestic and global culture. In this comparative literature course, students explore the academic theory of race and the stories of men, women, families, and communities where race is the defining factor of experience. Finally, students wrestle with difficult questions of perspective and are challenged to think beyond the boundaries of their lived experience.

HONORS ORIGINS, MYTHS AND LEGENDS (FALL)

Origin stories, myths, and legends span many cultures and attempt explain universal questions of existence. Students begin with the origin of myths, proverbs, and legends that span all cultures by studying their similarities and differences. In addition to learning how to recognize mythological metaphors, allusions, analogies, and symbols, students will also analyze the significance of how cultures use myths and legends.

HONORS ROMANTICISM (FALL)

This semester course focuses on the literature of the British Romantic period, approximately 1810–1840, with special emphasis on the poetry of Wordsworth, Shelley, and Keats. Students read Mary Shelley's *Frankenstein* and an extensive collection of poems. The course also traces the logical extension of literary structures and themes into the American Romantic movement that followed using works by authors such as Poe, Whittier, and Longfellow.

LITERATURE AND HISTORY OF CONFLICT (FALL)

The emotional trauma and confusion of war have led to countless novels, nonfiction narratives, memoirs, song lyrics, and poems, often written by those who had fought, but also by those coping with the aftermath of the fighting. The writing continues to this day as many continue to make sense of contemporary violence. With a primary focus on the Vietnam Conflict, this course is offered in honor of Charles L. Bergevin '62, David M. Burke '65, and Paul M. McGrath '62, Canterbury alumni who lost their lives in the conflict.

HONORS GENDER AND LITERARY TEXTS (FALL)

In this course, students will explore how literature plays a role in shaping and maintaining societal ideas about gender. Students will investigate how gender influences the creation and reception of literary works, engaging in in-depth reading, evidence-based analysis, and forming arguments based on the text. Through this process, they will become more aware of how personal interpretations are shaped by critical reading. Additionally, they will examine how texts build various distinctions, such as those related to gender, race, and social class. *For Fifth and Sixth Form students.*

GENRE IN LITERATURE (SPRING)

Genre in Literature explores how literary genres shape storytelling and influence how readers understand the world. Through memoir, historical fiction, horror, and detective fiction, students will examine how authors use genre conventions, narrative structure, and style to create meaning and engage audiences. Drawing on the idea that genres reflect how the mind interprets experience and behavior, the course considers how different forms invite readers to think about truth, fear, memory, and justice. A featured unit on detective fiction pairs classic and modern mysteries with episodes of NBC's *Dateline* to explore the connections between fictional crime-solving and real-world investigative journalism.

HONORS CONTEMPORARY LITERATURE (SPRING)

This course invites students to apply the literary analysis skills developed throughout their academic career to visual mediums. Assignments will engage close observation, pattern recognition, analytical reasoning, and creative expression. First, students will examine the three types of narrative in visual content: visual, linguistic, and auditory. They will then investigate how filmmakers combine these elements to create meaning, evoke emotion, and communicate complex ideas. Students will write three analytical essays that demonstrate sophisticated engagement with the texts we study. They also create video projects that deepen understanding of visual storytelling while developing technical skills.

HONORS CREATIVE WRITING (SPRING)

In today's rapidly evolving world, creativity has emerged as a cornerstone skill in virtually all fields. This honors-level writing course delves into the mastery of wordplay and the creative avenues of linguistic composition. Through exercises, trial and error, editing, immersion, and exploration, students strive to make the written word engage all audiences with laughter, tears, wonder, and epiphany. From crafting compelling narratives to experimenting with poetry, utilizing journalism, and sampling satire, students will engage in diverse writing styles and explore how to make words work for them.

HONORS LITERATURE OF THE RENAISSANCE (SPRING)

Out of the darkness of the Middle Ages springs the Renaissance, a period of vibrant and engaging literature that continues to shape modern thought. Students will explore the advent of new ideas, the influx of original thought, and the emergence of creative thinking and inspiring voices. Students will analyze these voices through thematic connections among authors, periods, and settings. Students will engage in a number of writing assignments that ask them to synthesize, analyze, and comment with their own original thought. They will have opportunities for creative expression in this course.

HISTORY OF POST-INDUSTRIAL LITERATURE (SPRING)

A century ago, leisure time was limited, and life on the farm and in the factory was hard. Over time, the labor movement, the industrial revolution, and the technological revolution have allowed more time for sports and pastimes. As more people watched and participated in leisure time activities, a body of literature inspired by these activities emerged. Our games have given us a rich variety of real and fictional characters as well as a window into the hearts and souls of towns, regions, and nations. In the course, students will be invited to explore this genre, its origins, and its role in contemporary cultural evolution.

PUBLIC SPEAKING (FALL OR SPRING)

Public speaking is a vital life skill that can significantly impact one's life and is a crucial determinant of success. The core of public speaking is helping speakers inform and influence the world around them. This course examines effective speaking in academic, professional, and public environments, stressing organization, effective

delivery, and critical listening skills. At the same time, it places a strong emphasis on student performance and provides an environment that develops self-confidence, speaking practice, and reflection in a variety of speaking situations.

HONORS CREATIVE NON-FICTION WRITING (FALL OR SPRING)

This course focuses on the genre of creative nonfiction. Students explore varieties of creative nonfiction, such as memoir, biography, the personal essay, travel, science, food writing, and "new journalism." As its name suggests, creative nonfiction borrows elements from fiction and poetry (e.g., description, scene construction, dialogue, etc.) yet still aims to tell the truth. For a writer to "tell it slant," however, is to acknowledge the ways in which one's subjective viewpoint shapes what counts as "the truth" in telling a story about one's own or another's experiences. Students will have the opportunity to experiment with style, genre, and subject in a writing studio environment and to read varied examples of contemporary creative nonfiction. *For Fifth and Sixth Form students.*

WAYFARERS: THE SEARCH FOR MEANING (FALL OR SPRING)

Why do people walk—across landscapes, through cities, or toward distant destinations—in search of meaning? Wayfarers explores the idea of the journey as both a physical and intellectual pursuit. Drawing on works such as Dante's *Inferno*, Chaucer's *The Canterbury Tales*, and Rebecca Solnit's *Wanderlust: A History of Walking*, students will examine how writers use travel, pilgrimage, and wandering to explore identity, community, and discovery. Through literature, film, and discussion, the course considers how movement through the world—whether through gardens, mountains, city streets, or long roads—shapes the way we think, observe, and understand our place within it.

COURSE OFFERINGS

History and Social Sciences

The History Department endeavors to promote an appreciation for historical knowledge, the critical thinking skills necessary to make sense of it, and the compassion to become active world citizens ready and willing to make a difference. While each course presents core subject knowledge necessary for students to develop a better interpersonal understanding of the world in which they live, the courses further aim to promote historical study as a hugely creative endeavor calling students to ask questions, demand substance, think interpretively, and develop an open mind. Students are expected to develop research skills appropriate to their level.

The department incorporates new classroom technologies into creative presentations, class debates, mock trials, and historical simulations in an effort to stimulate innovative thinking, group collaboration, and other cognitive skills. Student work includes analysis and interpretation supported by historical information. Where applicable, courses are related to current events in areas such as economics, politics, foreign affairs, and environmental issues.

FOUNDATIONS OF CIVILIZATION

Foundations of Civilization is offered primarily to Third Form students with the purpose of establishing the basis for historical study. The course is designed not only to cover the content of major civilizations in Afro-Eurasia but also to introduce and develop organizational, analytical, research, and writing skills. The course is built around those empires between 500 BCE and 1492 CE that had a disproportionate impact on the formation of the modern world. In the fall, students study the Greeks and the Romans and consider to what extent these two civilizations introduced novel democratic forms of government and notions of citizenship. Students then focus their studies on the rise of the Islamic World and debate the factors that facilitated its rapid expansion across Arabia, Persia, North Africa, and Spain. Finally, in the spring, students examine the consequences of the Mongol invasions into China, Persia, and Eastern Europe and consider the extent to which the Mongols affected the formation of early modern Europe. Students complete a number of writing assignments, including two short research papers in the second semester. *Honors section available.*

WORLD HISTORY

World History is offered primarily to Fourth Form students. The course builds on the "Foundations of Civilization" studied during the Third Form year by exploring several important turning points in European history and assessing their impact on modern civilization. Topics include the Renaissance and Reformation, the Age of Exploration, the Scientific Revolution and Enlightenment, the French Revolution, the Industrial Revolution, Imperialism, the two World Wars, and the Cold War. Emphasis is given to the continued instruction and the practice and development of essential skills needed for the study of history, including reading comprehension, analyzing primary source documents, outlining historical arguments, and applying an open mind to the study of historical issues. In addition to continuing their development of historical thinking and writing through independent assignments, students work collaboratively throughout the year on a series of "mini-projects" designed to develop specific research skills using a variety of library resources.

HONORS WORLD HISTORY

Honors World History is offered primarily to Fourth Form students. The course uses a thematic approach to explore European history from the Renaissance to

the fall of the Soviet Union and to assess the role of historical themes such as culture, religion, geography, technology, economics, war, and ideology in shaping modern Western civilization. Students broaden their understanding of critical events by reading and analyzing a variety of source materials, thinking interpretively, and writing persuasively. Students are encouraged to “think 360” by exploring topics from a variety of perspectives and engaging in experiential learning through extended debates and simulations before casting judgment on a variety of historical issues. In addition to continuing their development of historical thinking and writing through independent assignments, students work collaboratively throughout the year on a series of “mini-projects” designed to develop specific research skills, leading to a small research project in the spring semester.

ADVANCED PLACEMENT WORLD HISTORY

AP World History is primarily for Fourth Form students. The course builds an understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage. This understanding is advanced through the acquisition of selective factual knowledge, the application of appropriate analytical skills, and the integration of small research tasks into the class curriculum. The course highlights the nature of changes in international frameworks, their causes and consequences, and comparisons among major societies. Students enrolled in this course are required to take the exam in May and complete a short research paper.

UNITED STATES HISTORY

This course surveys the major events and issues in United States history while developing fundamental research skills and fostering mature, critical engagement with the relationship between the past and the present. The first semester begins with Indigenous societies and early colonial encounters, tracing the cultural exchanges that helped shape the nation’s emerging ideals and norms, and continues through the Civil War and Reconstruction, with particular attention to efforts to redefine and rebuild American society and identity. The second semester focuses on the ongoing struggle to define and secure the rights of Americans from Reconstruction through the post-9/11 era, highlighting both progress and inconsistencies in that pursuit. Throughout the

year, students investigate these periods through key historical themes such as causation and consequence, continuity and change over time, and perspective, explored across multiple dimensions of the American experience including economics, religion, politics, culture, and society. The course emphasizes the use of diverse primary sources that highlight a variety of voices, along with a collaborative, inquiry-based approach to learning, encouraging open-minded discussion, critical thinking, thoughtful analysis, and effective written and verbal communication. Research is a central component of the course, as students learn to locate, evaluate, and synthesize sources to deepen their understanding of U.S. history. Through a range of assignments—including analytical essays, simulations, and research projects—students build essential historical skills culminating in a spring research paper on a topic of their choosing. *Required for graduation.*

HONORS UNITED STATES HISTORY

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thoughtful analysis, and effective written and verbal communication. Research is a central component of the course, as students learn to locate, evaluate, and synthesize sources to deepen their understanding of U.S. history. Through a range of assignments—including analytical essays, simulations, and research projects—students build essential historical skills and complete a culminating spring research paper in which they become specialists in a topic of their choosing.

ADVANCED PLACEMENT UNITED STATES HISTORY

AP United States History prepares students for intermediate and advanced college courses. Students learn to assess historical materials, weigh evidence and interpretations presented in historical scholarship, arrive at conclusions based on informed judgment, and present reasons and evidence clearly and persuasively in an essay format. Students enrolled in this course are required to take the exam in May and to write a research paper.

ADVANCED PLACEMENT EUROPEAN HISTORY

In AP European History, students investigate significant events, individuals, developments, and processes from approximately 1450 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 also provides seven themes that students explore throughout the course in order to make connections among historical developments in different times and places: interaction of Europe and the world, economic and commercial development, cultural and intellectual development, states and other institutions of power, social organization and development, national and European identity, and technological and scientific innovations. Students enrolled in this course are *required* to take the exam in May. *Prerequisite: United States History. For Fifth and Sixth Form students.*

ADVANCED PLACEMENT GOVERNMENT AND POLITICS

This introductory college-level course cultivates students' understanding of U.S. government and politics through analysis of data and text-based sources as they explore

topics like constitutionalism, liberty and order, civic participation in a representative democracy, competing policy-making interests, and methods of political analysis. Students enrolled in this course are *required* to take the exam in May. *Prerequisite: United States History. For Fifth and Sixth Form students.*

ADVANCED ECONOMICS

Advanced Economics is a rigorous, college-level curriculum designed to provide an exhaustive analysis of both microeconomic and macroeconomic principles. The course is strategically structured to ensure that students pursuing Advanced Placement (AP) credit are thoroughly prepared for the cumulative examinations at the conclusion of the academic year. The pedagogical framework is divided by term to allow for specialized focus:

- **Fall Term:** Dedicated to the intricate study of microeconomic theory, including market structures, consumer behavior, and resource allocation.
- **Winter Term:** Transitions into macroeconomic analysis, focusing on national income, monetary policy, and global economic fluctuations.

To bridge the gap between theoretical constructs and practical application, the course integrates contemporary global events as primary case studies, requiring students to apply analytical models to real-world economic phenomena. Students enrolled in this course may opt to take the AP Micro and Macro exams in May. Additional coursework may need to be studied outside of class.

Prerequisite: Calculus

FIFTH AND SIXTH FORM ELECTIVES

HISTORY OF CYBERSECURITY: UNDERSTANDING THE DIGITAL WORLD (FALL OR SPRING)

This course examines cybersecurity through the lens of the social sciences, exploring how the digital frontier reshapes human behavior, social structures, and global power dynamics. Rather than focusing on the technical mechanics of software, students will investigate the "human firewall"—the ethical, political, and sociological factors that govern our personal and professional digital lives. Through a combination of historical case studies, ethical debates, and policy simulations, students will analyze the tension between security and privacy, the

rise of surveillance capitalism, the impact of algorithmic bias, and the shifting nature of modern conflict. By the conclusion of the term, students will be equipped to act as informed digital citizens, capable of evaluating complex technological challenges and proposing human-centric solutions for an increasingly connected world.

HOLOCAUST (FALL)

This course introduces students to the historical origins of anti-Semitism and surveys German history from the beginning of the twentieth century to World War II. Emphasis is placed on the political and social developments that elevated the persecution of Jews to official government policy and almost succeeded in the total extermination of Jews from Europe. Through independent reading and research, students will further hone their ability to read and write analytically. A short research paper is required.

REVOLUTIONARY MOMENTS: PEOPLE, POWER AND CHANGE (FALL)

This course will compare and contrast a variety of political, social, and intellectual revolutions that have profoundly shaped the modern world. In addition to the dramatic events surrounding the French, Russian, Chinese, and Iranian Revolutions, students will analyze other transformational episodes such as the Industrial and Digital Revolutions and agents of major change including Lenin, Mao, Ayatollah Khomeini, Martin Luther King, Malala Yousafzai, Mark Zuckerberg, and Jackie Robinson. The continued fallout of both the Orange Revolution and the recent "Arab Spring" will be the focus of a current events component of this class.

SOCIAL IMPACT OF COMPUTING I (FALL)

Social Impact of Computing I, based on the Code.org CS Principles curriculum, introduces students to the foundations of the digital world, covering everything from programming basics, network and internet infrastructure, and cybersecurity to app design and AI use.

HISTORY AND LITERATURE OF THE MODERN MIDDLE EAST (SPRING)

This course will provide students with an in-depth study of the Middle East region in the 20th and 21st Centuries. Beginning with the downfall of the Ottoman Empire after World War I, this course examines the European influence on the Middle East, the formation of nation states, and the modernization of the area. It also covers the major

events in the region, including the Arab-Israeli conflict, the Iranian Revolution, Islamic radical movements, the Gulf War, and US intervention in the region, culminating with the Arab Spring and current events in the region. Students will analyze the causes and effects of the tensions in the region and their global impact. A short research paper is required.

HISTORY OF LITERATURE AND MODERN TIMES (SPRING)

Students in this course will study contemporary world events involving political, social, cultural, and economic issues. Emphasis is placed on world events and the prevailing trends and leaders influencing current affairs. Students regularly examine periodicals and evaluate the opinions of reputable commentators reflecting on present-day developments. The course challenges students to further refine their ability to read analytically and write a persuasive historical argument. A short research paper is required.

SOCIAL IMPACT OF COMPUTING II (SPRING)

This course transitions students from screen-based software development to the design and construction of engineered, "smart" systems. Utilizing Python and various microcontrollers, students will explore the intersection of code and the physical world. The curriculum moves beyond traditional programming logic to focus on physical computing using hardware sensors and actuators to interact with the environment. Students will learn to capture real-world data, process it using Python, and implement artificial intelligence and machine learning models to engineer responsive, autonomous devices.
Prerequisite: Social Impact of Computing I.

SYRACUSE UNIVERSITY PROJECT ADVANCE: PRINCIPLES & CONTEMPORARY ISSUES IN SPORT/ BUSINESS MANAGEMENT (SPRING)

This course is offered through SUPA's David Falk College of Sport and Human Dynamics and introduces students to sport management concepts and sectors. By examining issues faced by sport management, students will explore the unique social and ethical responsibilities of the field. Additionally, they are required to complete a comprehensive, hands-on project that demonstrates their comprehension of the different sectors of the industry covered throughout the semester. *For Fifth and Sixth Form students.*

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History and Social Sciences

HONORS CONSTITUTIONAL LAW (FALL OR SPRING)

From freedom of speech to gun ownership, war powers to healthcare, religious liberty to abortion, virtually every aspect of American life is shaped by our federal Constitution. Yet studies reveal that most of us know surprisingly little about the Constitution itself and thus are unprepared to assess for ourselves the recent developments in its long, storied, and controversial history. This course will provide an overview of the second Constitution of the United States: its origins, its content, and the history of its interpretation.

HONORS FINANCE (FALL OR SPRING)

This course introduces students to core financial concepts and progressively builds toward advanced application and original analysis. Students begin by learning essential finance vocabulary and foundational principles, then explore how finance operates in society, from personal decisions to global systems. In the final module, students complete a project that analyzes financial markets and presents original findings. Open to students of all experience levels, the course emphasizes clarity, relevance, and creative thinking in the study of finance.

SYRACUSE UNIVERSITY PROJECT ADVANCE: ENTREPRENEURSHIP/ GLOBAL ECONOMY (FALL OR SPRING)

During this course, students assess, explore, critique, and celebrate entrepreneurship. Entrepreneurship is approached as a way of thinking and acting, as well as an attitude and a behavior. Emphasis is placed on entrepreneurship as a manageable process that can be applied in virtually any organizational setting. Moreover, students explore sustainable entrepreneurship—entrepreneurship over the life cycle of a person's entire career; in organizations as they evolve from start-up enterprises to sizable corporations; and in societies as they move from undeveloped to post-industrial. *For Fifth and Sixth Form students.*

Mathematics

The mathematics curriculum at Canterbury builds progressively from foundational courses to advanced, college-level study, fostering a deep understanding of mathematical concepts and their real-world applications. In courses like Algebra 1, Geometry, and Algebra 2, students develop essential skills in algebraic reasoning, geometric logic, and problem-solving through a varied, interactive approach. Teachers create dynamic learning environments where students explore multiple problem-solving methods and receive instant feedback, transforming math into an experience of discovery rather than simply finding the correct answer.

As students advance to Pre-Calculus, Calculus, and AP-level offerings, they deepen their analytical skills, preparing for the demands of college-level mathematics. Advanced courses like AP Statistics, AP Calculus, and Honors-level Linear Algebra and Multivariable Calculus enable students to specialize further, exploring complex topics such as vector spaces and multivariable functions. This approach not only prepares students for AP exams but also equips them with the skills and confidence needed for fields such as engineering, physics, and computer science. At every level, Canterbury's curriculum empowers students to approach mathematics with curiosity, discipline, and a sense of discovery.

**Course is offered every other year.*

ALGEBRA 1

Basic concepts and properties of elementary algebra are introduced early to prepare students for equation solving. Concepts and skills are introduced algebraically, graphically, numerically, and verbally, often in the same lesson to help students make connections. Frequent and varied skill practice ensures student proficiency and success. Special attention is given to signed numbers, positive and negative exponents, linear equations, factoring, radicals, simultaneous equations, verbal problems, and test-taking strategies.

GEOMETRY

This full-year course regards the properties of right triangles, similar triangles, polygons, and circles. Their geometric properties are treated synthetically with logic and proof, as well as analytically with coordinates and algebra. Multiple formats are supported through mastery, including two-column and indirect proofs. Students learn to value the need to think logically and present ideas in a clear order. Traditional geometry concepts and

deductive reasoning are emphasized throughout, while measurement and applications are integrated to motivate students via real-world connections. Algebra 1 skills are reviewed at point-of-use, ensuring students maintain these skills. *Honors section available.*

ALGEBRA 2

The goal of the intermediate algebra course is to introduce and automate middle-level algebra skills. Practice in the fundamental topics, including linear equations, exponents, logarithms, graphs, verbal problems, systems of linear and nonlinear equations, complex numbers, quadratic equations, and linear and quadratic functions, is provided. *Honors section available.*

ELEMENTARY FUNCTIONS

Elementary Functions will extensively review concepts covered in Algebra and Geometry. Additionally, students will explore both familiar functions and new functions through a more critical lens. Throughout the year, the knowledge and skills they acquire in previous courses

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Mathematics

will be strengthened through effort and practice. Some of the topics explored will include—linear systems, polynomial functions, exponents, and logarithms. Students end the year with an extensive study of trigonometry, both as the solution to triangles and as the study of circular functions.

PROBABILITY AND STATISTICS

This course provides an elementary introduction to probability theory and mathematical statistics that emphasizes the probabilistic foundations required to understand probability models and statistical methods. Topics include basic combinatorics, discrete and continuous random variables, probability distributions, mathematical expectation, hypothesis testing, confidence intervals, and linear regression.

PRE-CALCULUS

Pre-Calculus prepares students for a college-level Calculus course by extending students' knowledge and skills acquired in previous courses. The course begins with a thorough review of selected topics—linear systems, polynomial functions, exponents, logarithms, sequences, and series—and continues with an extensive study of trigonometry both as the solution to triangles and as the study of circular functions. The honors section moves at a more rapid pace and includes the usual topics treated at the beginning of a calculus course (limits, derivatives, applications of derivatives). *Honors section available.*

CALCULUS

This course covers many of the topics included in a college-level Calculus course, including limits, methods of differentiation, related rates, maximization, Riemann sums, methods of integration, and area. The course is not as rigorous as AP Calculus and will not cover all of the topics on the AP syllabus. *Honors section available.*

ADVANCED PLACEMENT CALCULUS

This course closely examines the theory behind and the applications of the derivative. A strong background knowledge of function analysis and trigonometry is required. The second half of this course closely examines integral calculus. The course curriculum satisfies the AB syllabus of the AP program. Students enrolled in this course are *required* to take the exam in May.

ADVANCED PLACEMENT STATISTICS

This course covers the AP syllabus with specific emphasis on data exploration, experimental design, probability, and statistical inference. AP Statistics is a non-calculus-based course that introduces students to methods and tools for collecting, analyzing, and drawing conclusions from data. This course is graphing calculator intensive. Students enrolled in this course are *required* to take the exam in May.

HONORS LINEAR ALGEBRA*

This course covers concepts and mathematical tools such as systems of linear equations, matrices, determinants, vector spaces, inner product spaces, eigenvectors, and linear transformations. These topics are particularly useful for students interested in pursuing engineering, physics, economics, statistics, or computer science.

HONORS MULTIVARIABLE CALCULUS*

This college-level course is for students with a strong interest in mathematics and solid foundation in single-variable Calculus. This course introduces and explores differentiation and integration of functions of more than one variable, including partial derivatives, directional derivatives, and gradients. This course also investigates max/min problems, Lagrange's method, double and triple integrals, vector fields, line integrals, Green's, Gauss's, and Stokes's theorems. Enrollment in this year-long course is restricted to students who have successfully completed Advanced Placement Calculus.

Science

The Science Department focuses on the excitement of learning about the natural world. Introductory courses provide a solid foundation in analytical and critical thinking, experimentation, and problem-solving. Laboratory work and guided inquiry-based experiments engage students with modern science techniques that connect concepts learned in the classroom to practice and application in the lab. Recent technological innovations are used in the classroom and laboratory to reach a wide range of learners and increase student involvement. Applications and current events in science are addressed on a regular basis to create connections to the material and apply knowledge to problem-solving in the real world. Traditional laboratory courses in biology, chemistry, and physics are offered at three levels: regular, honors, and Advanced Placement (AP). Numerous advanced science electives are also available for Fifth and Sixth Form students.

**Lab fee for the course.*

BIOLOGY (LAB)*

This introductory laboratory course explores a molecular approach to the study of living systems by examining evolutionary development, genetic continuity, and biological and ecological diversity. Using actual data from laboratory evidence, students develop analytic skills consistent with the biological themes of change, diversity, energy, homeostasis, and scientific inquiry. In the lab, students investigate the molecular and cellular structures of living organisms, proceeding to larger and more inclusive organizational levels. This course provides many of the primary skills and knowledge necessary for success in the study of subsequent science courses. *Primarily for Third Form students.*

HONORS BIOLOGY (LAB)*

This course includes in-depth coverage of living systems with extensive laboratory experiences. Students develop analytic skills consistent with the biological themes of change, diversity, energy, homeostasis, and scientific inquiry. Students must demonstrate excellent understanding of the molecular and cellular structures of living organisms which they will study in the lab before proceeding to larger and more inclusive organizational levels. In inquiry-based laboratory experiments, students learn to critically analyze and interpret data. *Primarily for Third Form students.*

ADVANCED PLACEMENT BIOLOGY (LAB)*

In Advanced Placement Biology, students explore science as a process where new properties emerge at each level in the biological hierarchy. They explore how organisms interact with each other and with the physical environment, energy transfer and transformation, and the correlation of structure and function at all levels of biological organization. Studying cells as an organism's basic unit, students proceed to study the heritable continuity of life in the form of DNA, the feedback mechanisms that regulate biological systems, and evolution as the overarching theme of biology. A strong emphasis on advanced laboratory analysis is critical for understanding the molecular and chemical functions of living organisms and systems. Students enrolled in this course may take the exam in May. *Minimum prerequisite: Honors Biology and Honors Chemistry. For Fifth and Sixth Form students.*

CHEMISTRY (LAB)*

This introductory laboratory course covers fundamental chemical concepts and helps students develop their critical thinking and problem-solving skills. Students learn about matter; physical and chemical properties and changes; chemical composition and nomenclature; reactions and stoichiometry; energy; modern atomic theory and bonding; gases, liquids, solids, solutions, acids, and bases; and equilibrium. The course may be blended

COURSE OFFERINGS

Science

and include interactive activities and assignments in both traditional and web-based formats. Students practice collaboration and problem-solving in the laboratory as well as at the whiteboards. In weekly laboratories, students observe and explore chemical phenomena in inquiry-based labs. Students keep a laboratory notebook and learn to collect, analyze, interpret, and present experimental data. A balance of traditional low-tech equipment and state-of-the-art probeware is used. *Minimum prerequisite: Algebra 1. For Fourth and Fifth Form students.*

HONORS CHEMISTRY (LAB)*

This in-depth laboratory course covers fundamental chemical concepts and helps students develop their critical thinking and problem-solving skills. Students learn about matter; physical and chemical properties and changes; chemical composition and nomenclature; reactions and stoichiometry; energy; modern atomic theory and bonding; gases, liquids, solids, solutions, acids, and bases; and electrochemistry. In weekly laboratories, students observe and explore chemical phenomena in inquiry-based labs. Students keep a laboratory notebook and learn to collect, analyze, interpret, and present experimental data. A balance of traditional low-tech equipment and state-of-the-art probeware is used. *Minimum prerequisite: Algebra 2, concurrently. For Fourth and Fifth Form students.*

ADVANCED PLACEMENT CHEMISTRY (LAB)*

Advanced Placement Chemistry is a college-level course that provides students with a detailed understanding of foundational chemical principles. Critical thinking and problem-solving skills are developed as students learn about atomic theory and structure; chemical bonding; gas laws and kinetic-molecular theory; reaction types; stoichiometry; equilibrium; thermochemistry; and electrochemistry. Students perform advanced chemical calculations using data acquired during laboratory experimentation. Students enrolled in this course are *required* to take the exam in May. *Minimum prerequisite: Honors Algebra 2 and Honors Chemistry. For Fifth and Sixth Form students.*

PHYSICS (LAB)*

This is an introductory, laboratory-based course that emphasizes a conceptual understanding of physics. Topics covered include kinematics, Newtonian mechanics, momentum, collisions, energy, electricity and magnetism, heat, sound, and light. Numerous real-world applications are explored so that students come away from the course understanding the rules of nature and how things work. In the laboratory, students observe and explore physical phenomena and ultimately design experiments in inquiry-based labs. Experimental design methods, laboratory data analysis techniques, and error analysis are covered. A balance of traditional low-tech equipment and state-of-the-art probeware is used to appeal to a wide variety of learners. *Minimum prerequisite: Algebra 2, concurrently. For Fifth and Sixth Form students.*

HONORS PHYSICS (LAB)*

This honors-level course serves as an introduction to topics covered in both of the AP Physics courses (2 and C). Material is cumulative and covers half of a college-level, algebra-based mechanics course and half of a college-level, algebra-based electricity and magnetism course. This includes kinematics, Newton's laws, work and energy, momentum and collisions, electricity, waves, sound and optics. Collaborative work is promoted in problem-solving, laboratory experiments, and presentations. In the laboratory, students observe and explore physical phenomena and ultimately design experiments in inquiry-based labs. Experimental methods and techniques of data collection, interpretation, and error analysis are covered. A balance of traditional low-tech equipment and state-of-the-art probeware is used. *Minimum prerequisite: Algebra 2, concurrently. For Fifth and Sixth Form students.*

ADVANCED PLACEMENT PHYSICS 2 (LAB)*

In this college-level course, students will start with a brief overview of kinematics and vectors before delving into the topics of electrostatics, conductors and dielectrics, circuits, magnetic fields, and electromagnetism, as well as gas laws, atomic theory, simple harmonic motion, and optics. Collaborative work is promoted in problem solving, laboratory experiments, and presentations. In the laboratory, students observe and explore physical

phenomena and ultimately design experiments in inquiry-based labs. Experimental methods and techniques of data collection, interpretation, and error analysis are covered. A balance of traditional low- tech equipment and state-of-the-art probeware is used. The course prepares students to take the AP Physics 2 test in May. *Prerequisites: Chemistry, Algebra 2 (Honors preferred but not required.) For Fifth and Sixth Form students.*

ADVANCED PLACEMENT PHYSICS C (MECHANICS) (LAB)*

In this college-level course, students study kinematics, Newton's laws, work, energy, and power, linear momentum and collisions, circular motion, simple harmonic motion, rotational kinematics, rotational energy, angular momentum, and the universal law of gravitation. Both differential and integral calculus is used often throughout the course. In the laboratory, students observe and explore physical phenomena and ultimately design experiments in inquiry-based labs. Experimental methods and techniques of data collection interpretation and error analysis are covered. A balance of traditional low- tech equipment and state-of-the-art probeware is used. The course prepares students to take the AP Physics C Mechanics test in May. *Minimum prerequisites: Honors Chemistry and Calculus. For Fifth and Sixth Form students.*

ADVANCED PLACEMENT PSYCHOLOGY

This course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of humans and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. Students enrolled in this course are *required* to take the exam in May. *For Sixth Form students.*

SYRACUSE UNIVERSITY PROJECT ADVANCE: EARTH SYSTEM SCIENCE (LAB)*

This course illustrates the interconnectedness of biologic, hydrologic, atmospheric, and geologic processes in shaping our planet. This new approach to science reflects a more integrated view of the study of Earth. In today's world—with an increasing global population, the threat of

global warming, and a growing demand for raw materials and energy—a basic understanding of the Earth system is more important than ever. *Minimum prerequisite: Pre-Calculus. For Fifth and Sixth Form students.*

ELECTIVES

ASTRONOMY (FALL)

This course is an introduction to Astronomy from its beginning to the current exploration of space. Students will learn about our Solar System, our Sun and Moon, planets, stars, galaxies, quasars, and interstellar space. The celestial sphere and tools used by astronomers to study celestial objects will be introduced and students will learn to identify constellations in the night sky. The course will end with an introduction to dark matter, wormholes, black holes, and astrobiology. *For Fifth and Sixth Form students.*

BIOME ECOLOGY (FALL)

The science of Biome Ecology classifies Earth's terrestrial ecosystems into major ecological units that are correlated with regional climate types. The course begins with a basic overview of the principles of ecology. Students study tropical rainforests, tropical dry forests, tropical savannas, temperate grasslands, mediterranean scrub forests, taiga, temperate rainforests, deserts, deciduous forests, and tundra. Students study the human impact on each of the ecosystems. Students must have successfully completed a course in introductory biology. *For Fifth and Sixth Form students.*

ECOLOGY (LAB)* (FALL)

This semester lab course introduces basic concepts in the ecology of individual organisms, their populations, and the biological communities in which they live. Using the Canterbury environs as a case study, students explore forest and field ecosystems, identify and plot campus trees, and conduct a survey of the bird populations. Emphasis is on terrestrial plant and animal ecology. The historical, evolutionary, and ecological processes determining the distribution of ecosystems, habitats, and species are introduced. Theories of competition, predation, disease, and mutualism help explain the functioning of biological communities. *For Third and Fourth Form students.*

COURSE OFFERINGS

Science

HUMAN PERCEPTION AND BEHAVIOR (FALL)

Why do we act the way we do? How do we process information? This course is designed to offer students a deep dive into the physical psychology of the brain. With topics including the nervous system, cognitive functions, neurons, and synapses, the class will focus on broader systems and functions of the brain. *For Fifth and Sixth Form students.*

COMPARATIVE ANATOMY (LAB)* (SPRING)

This course is designed to provide students with an understanding of the basic structure and function of anatomy and common athletic injuries through the lens of athletic training. Upon completion of this course, students will be able to do the following:

- Gain a thorough understanding of the five domains and the basic principles of athletic training
- Identify basic athletic injuries and effectively identify appropriate treatment or rehabilitation techniques
- Apply supportive and preventive taping and bracing techniques
- Complete 10 clinical observations hours
- Understand mechanisms of injury, signs and symptoms, and presentation for common athletic injuries

For Fifth and Sixth Form students.

ENVIRONMENTAL SCIENCE (LAB)* (SPRING)

This semester-long lab course introduces some of the environmental issues facing our planet. Topics include population dynamics and how the human population drives these issues; biodiversity and endangered species; climate change and alternative energy sources; land use and agriculture; and water resources. The course will include several oral presentations. Students will spend time analyzing the water quality of a local stream by collecting chemical and biological data. *For Third and Fourth Form students.*

MARINE SCIENCE (SPRING)

This semester-long course looks at the major marine environments, focusing on the complexity of living systems and the resulting interactions between organisms and their environment. Topics of tides, currents, distribution of nutrients, and sunlight help explain the patterns of living things. Students study the

diversity of marine organisms, from the smallest plankton to the largest whales. The class takes a full-day field trip to the Maritime Aquarium in Norwalk, CT. Students must have successfully completed an introductory biology course to enroll in this class. *For Fifth and Sixth Form students.*

PSYCHOLOGICAL FUNCTIONS OF LIFE (SPRING)

This semester-long course takes a deep look at three of the five major senses. It explores touch and how our body accepts pain, our auditory pathways and how we hear, and vision and how we view our surroundings and our place in the world. This course also touches on topics such as emotion, psychological disorders, wakefulness, and sleep—all things that are triggered, affected, or based on how we perceive the world through our senses. *For Fifth and Sixth Form students.*

WAVELENGTHS & FREQUENCIES (SPRING)

This course highlights how society has progressed in its ability to communicate over short and long distances, from carrier pigeons to cell towers. The course is an overview of the evolution of how humanity utilizes and advances different technologies to communicate over long distances. We will analyze methods of written, digital, video, and media communication and their effects on key historical events. The curriculum will touch on topics such as hieroglyphics, messengers, the telegraph, radio waves, a brief history of the USPS, the telephone, and cell phones. *For Fifth and Sixth Form students.*

ANIMAL ANATOMY (LAB)* (FALL OR SPRING)

Students in this course study the anatomy of a diverse selection of animal life using a project-based approach, learning the homologous and analogous structures and functions found in invertebrates and vertebrates. Students investigate structures at the cellular level through microscopes; the study of larger animals involves the dissection of preserved specimens. The course will also include how today's newer classification system reflects a more phylogenetic arrangement and more consistent evolutionary relationships. *Prerequisite: Biology. For Third and Fourth Form students.*

ENGINEERING (FALL OR SPRING)

This course introduces students to engineering and problem-solving through hands-on, collaborative projects. Students develop essential engineering skills including design documentation, prototyping, iteration, and refinement based on testing and feedback. Working individually and in teams, students learn to balance creativity with practical constraints, communicate technical ideas effectively, and navigate the challenges of collaborative problem-solving. Through digital design, physical construction, and introductory electrical systems, students apply mathematical and scientific concepts to real-world engineering challenges. The course emphasizes the iterative design process—moving from initial concepts through multiple drafts and prototypes to final solutions. Students develop technical skills in 3D modeling, circuit design, and structural engineering while building the collaborative and communication skills essential to modern engineering practice. *For Fifth and Sixth Form students.*

SCIENCE, ETHICS, AND SOCIETY (FALL OR SPRING)

This course will explore current scientific advances that provoke significant debate about ethical choices and responsibility. Students will discuss, debate, research, question, and write about a variety of topics in the areas of bioethics, genetic ethics, and environmental ethics. Due to the complex nature of these topics, students will work together to create an environment where academic discourse allows for respectful disagreement and the opportunity to learn from different perspectives. Guest speakers, films, debates, and field trips will help students understand these complicated issues from a variety of perspectives. Students will also have the opportunity to research and report on topics of their own choosing. *For Fifth and Sixth Form students.*

COURSE OFFERINGS

Studio and Performing Arts

The Studio and Performing Arts provide students with courses leading to aesthetic literacy and an appreciation of the arts. Our many offerings give students opportunities for exploration to make art through music, theater, and studio art. Emphasis is on understanding aesthetic principles and placing the arts in a historical and cultural context. Studio and Performing Arts courses have workload expectations similar to other academic areas. Students fulfill course requirements while visiting museums, galleries, instrumental performances, and participating in recording sessions or on-campus workshops. Fees depend upon the destination. For the serious Studio Arts student, the department offers portfolio direction and preparation in each area, a varied curriculum, exposure to many media, and independent study opportunities.

**Indicates a performance-based course*

STUDIO ARTS

MAJOR COURSES

(Course fee applies to all Studio Arts classes)

CERAMICS I (FALL)

This course investigates various ways to create functional and sculptural objects with clay. Hand-building techniques include pinch, slab, and coils, along with a preliminary introduction to throwing on the wheel. *For Fourth, Fifth, and Sixth Form students.*

CERAMICS II (SPRING)

Ceramics II is an advanced course for students looking to elevate their ceramic skills. This class provides a deeper understanding of clay as both a sculptural and functional medium while refining techniques in handbuilding, wheel throwing, and surface decoration. Students will explore wheel work in depth, experiment with sculptural forms, and master advanced glazing techniques to enhance their pieces. Activities are tailored to individual skill levels, ensuring continuous growth and challenge throughout the course. *Prerequisite: Ceramics I or approval by the Department Chair.*

INTRODUCTION TO GRAPHIC DESIGN (SPRING)

In this course, students will explore the core principles of visual communication through traditional, hands-on design methods. Students will develop a strong understanding of composition, typography, color

theory, and branding while working with mediums such as ink, collage, printmaking, and hand-rendered lettering. Through guided exercises and critiques, they will experiment with layout and visual storytelling to create compelling, studio-based design solutions. Emphasizing design thinking and problem-solving, this course challenges students to craft meaningful, impactful compositions using analog techniques. This course earns credit towards the Studio and Performing Arts graduation requirement.

SCULPTURE (SPRING)

This course explores the processes of modeling, carving, construction, and assemblage in wood, paper, plaster, wire, and found materials. Students begin with projects that help them visualize the transition from two- to three-dimensional design. Assignments progress into sculpture-in-the-round or free-standing works.

DRAWING (FALL OR SPRING)

Students study the expression of visual thought through drawing. Areas covered include contour drawing, still life, portrait, perspective drawing, and experimental techniques. Students use pastels, charcoal, ink, pencils, markers, and other mediums. Students will be assigned projects that utilize images from everyday surroundings and their imagination to form unique compositions.

INTRO TO ART (FALL OR SPRING)

Students are introduced to the fundamental principles and techniques of art making through a variety of hands-on projects and creative experiences. Emphasis is placed on developing visual literacy, technical skills, and creative problem-solving as students take ideas from initial concept to finished work through structured, bi-weekly assignments. Students explore the elements of art and principles of design while experimenting with a range of materials in drawing, painting, and three-dimensional work. They are encouraged to adapt to challenges, revise their ideas, and grow through the creative process. In addition to studio practice, students develop habits of craftsmanship and time management and participate in critiques to build confidence in their artistic voice and ability to give and receive constructive feedback. *Required for Third Form students.*

PAINTING (FALL OR SPRING)

Through experimentation and related exercises, students learn about painting as a medium of visual expression. Basic studies include drawing, color theory, and composition. Students explore a variety of subject matter from direct observation as well as from their imaginations. Materials may include watercolor, acrylic, and collage. *For Fourth, Fifth and Sixth Form students. Advanced option available.*

ADVANCED PLACEMENT DRAWING

(Offered as a students qualify)

This course is for the serious art student whose prior work exhibits advanced technical experience and conceptual thought processes. Students spend the academic year focusing on a chosen theme or concentration. Explored in depth, this theme is expressed using various color, design, and compositional techniques. AP Portfolios are submitted in May.

ADVANCED PLACEMENT TWO-DIMENSIONAL DESIGN

(Offered as a students qualify)

This full-year course is for the serious art student whose prior work exhibits advanced technical experience and conceptual thought processes. Students work in drawing, painting, photography, collage, and mixed media, focusing on a chosen theme or concentration. Explored in-depth, this theme is expressed using various color, design, and compositional techniques. AP Portfolios are submitted in May.

ADVANCED PLACEMENT THREE-DIMENSIONAL DESIGN

(Offered as a students qualify)

This course is for the serious art student whose prior work exhibits advanced technical experience and conceptual thought processes. The course focuses specifically on developing advanced spatial design solutions. An understanding of drawing, painting, and sculpture is expected. Students spend the academic year focusing on a chosen theme or concentration. Explored in-depth, this theme is expressed using various color, design, and compositional techniques. AP Portfolios are submitted in May.

PERFORMING ARTS

MAJOR COURSES

HONORS CONTEMPORARY MUSIC BAND*

The Contemporary Music Band is a high-level ensemble composed of a select group of instrumental and vocal students, specializing in music from a broad spectrum of contemporary music styles such as pop, R&B, rock, jazz, and funk. Students prepare music for performance at various concerts and special events throughout the year, both on- and off-campus. Students are also given the opportunity to record a digital portfolio in our on-campus recording studio. When selecting pieces for the group, students' musical experience as well as musical interests are considered. Students enjoy having some input into song selections. *By audition.*

HONORS VARSITY VOICES*

Varsity Voices is Canterbury's high-level, mixed vocal ensemble, specializing in a cappella and accompanied contemporary and popular music. Explore tight vocal harmonies, complex rhythms, and advanced vocal techniques in this challenging and fast-paced environment. Varsity Voices is an auditioned ensemble for all voice types as well as students who have interest and experience in vocal percussion/beatboxing. This ensemble will perform regularly both on- and off-campus. *By audition or video submission.*

COURSE OFFERINGS

Studio and Performing Arts

MINOR COURSES

CANTERBURY SINGERS*

Canterbury Singers is the place where anyone can find their singing voice. This non-auditioned, multi-level, mixed singing ensemble is open to all Canterbury students who have a love of music. Improve vocal skills and build confidence while exploring multi-part ensemble singing through a variety of styles, including pop, classical, seasonal, musical theatre, and multicultural music. Canterbury Singers performs at various concerts and special events throughout the school year.

CLASSICAL CHAMBER*

Classical Chamber is made up of small groups of two to four players who rehearse and perform selections from the standard chamber music repertoire and contemporary pop. The material is chosen based on ability and instrumentation. This is an excellent opportunity for students to be exposed to material that is often not studied at the pre-college level. Each student will be expected to participate in all rehearsals and performances of the ensemble. *Prerequisite: These ensembles are for more advanced students and are not classes in instrumental instruction. Students are expected to have an instrument available for full-time use. Private lessons are encouraged but not necessary, as long as the student can perform the music assigned. By audition.*

CONCERT/JAZZ BAND*

Concert/Jazz Band is a fusion of concert and jazz traditions, combining a wide range of instruments and styles. Open to students with at least intermediate skills, this group rehearses and performs a mix of traditional, jazz, and contemporary music. With concerts each semester, students gain experience on stage while growing as musicians in a supportive, energetic environment. Along the way, students strengthen their technical abilities, learn to blend with an ensemble, and explore new musical styles.

MUSICAL THEATER PERFORMANCE*

Make your voice heard in this performance-based, workshop-style musical theatre class that is open to all Canterbury students. Students will have the opportunity to learn and perform solos, duets, trios, and small

ensemble numbers while exploring lyric interpretation, vocal technique, performance skills, and storytelling through song, from Broadway classics to modern stage and film hits. Various performance opportunities at Canterbury concerts and special events throughout the school year will provide students the chance to share their hard work and talent with the Canterbury community, friends, and family.

ORCHESTRA*

The Canterbury Orchestra will perform various selections from a repertoire ranging from symphonic to contemporary pop. The material will be chosen based on the ability of the group as a whole. Students will be expected to participate in all rehearsals and performances of the Orchestra. This is not a class in instrumental instruction. Students must have played an orchestral instrument (woodwind, brass, or string) and have the basic knowledge thereof. This instrument must be available to the student for full-time use. Private lessons are encouraged but not necessary as long as the student can perform the music assigned. *By audition.*

MUSIC

MAJOR COURSES

HISTORY OF ROCK (FALL)

This course is designed to familiarize students with the history of Rock music. Prominent players and groups from each era will be covered, as well as sociological, economic, and cultural factors that shaped the many styles of Rock music.

COMPUTER MUSIC 1: USING GARAGEBAND (FALL OR SPRING)

This is a course open to beginners as well as those experienced with GarageBand. Students learn how to record and edit music, create beats, and mix tracks. After taking this class, students will be able to record a project, podcast episode, and a movie score.

COMPUTER MUSIC 2: USING PRO-LOGIC (SPRING)

In this class, students learn how to create, record, and mix music with Logic Pro X. Students will learn how to create their own music with Apple Loops, record MIDI with software instruments, write beats, and record audio.

At the end of this class, students will be able to create their own beats and songs with the Logic Pro X Software. (*Computer Music 1 is not a requirement of Computer Music 2.*)

MINOR COURSES

GROUP PIANO 1

This class is geared towards those new to piano study or as a refresher course for those who studied for a short time as a young child. Learn basic keyboard skills and music theory, including melodic and rhythmic notation, sight-reading, transposition, harmonization, and improvisation. This class is highly recommended for those students interested in singing and theatre who have no formal music training. Class size is limited to maximize individual attention while working in a small, supportive group. Private piano lessons are also available by appointment for those who have had previous experience or would prefer to study independently.

PRIVATE LESSONS

Private instruction is offered on guitar, bass, piano, voice, drums, sax, trumpet, clarinet, violin, and cello. All private instructors are experienced musicians in the fields of music education and performance. Private lessons meet once a week and can count towards fulfilling the Fine Arts credit requirement. This is a great opportunity for any student who wishes to learn an instrument or excel on an instrument they have experience playing. *A fee is charged for private instruction.*

THEATER

Theater course credits count toward fulfilling the Studio and Performing Arts requirement.

MAIN-STAGE THEATER PRODUCTION (FALL)

Through rehearsal and performance, student actors practice theatrical production techniques such as analyzing character, understanding relationships between characters, vocal projection, and body expression. Actors are expected to display disciplined work ethic, teamwork, and personal responsibility as basic requirements for participation. The course culminates with two performances on the Canterbury stage. This counts as either minor (.25) or major (.5) credit, depending on time commitment. *By audition.*

MAIN-STAGE MUSICAL THEATER PRODUCTION (SPRING)

Through rehearsal and performance, student actors practice techniques unique to musical productions, such as singing, dancing, and the art of performance in this genre. Actors are expected to display disciplined work ethic, teamwork, and personal responsibility as basic requirements for participation. The course culminates with two performances on the Canterbury stage. This counts as either minor (.25) or major (.5) credit, depending on time commitment. *By audition.*

MAIN-STAGE TECHNICAL THEATER (FALL OR SPRING)

Students will obtain knowledge of the behind-the-scenes collaboration that takes a production from an initial script selection through design and implementation to the final curtain. Students will learn the basics of set-building, lighting, and sound design for drama productions and will be well-prepared to handle operations on their own at showtime. Instruction will emphasize terminology, basic concepts, and safety. The course culminates with two performances on the Canterbury stage each semester. This course counts as either a minor (.25) or major (.5) credit, depending on time commitment.

COURSE OFFERINGS

Theology

The Theology Department educates students in the Catholic sacramental worldview and tradition in a challenging academic environment. Students discern their relationships with God and their neighbor and consider the moral rights and responsibilities that come with these relationships. The academic program includes an in-depth study of the life of Jesus and His mission, Scripture, tradition, Catholic social justice, morality, and world religions. Themes from the Yale Center for Faith and Culture's Life Worth Living program are woven into courses, encouraging students to reflect on questions of meaning, purpose, and human flourishing. The program informs our school community through active participation in service to others to build connections to our surrounding communities and the liturgical life of the School.

MINOR COURSES

THEOLOGY III: INTRODUCTION TO MORALITY

This course introduces students to the fundamental questions of theological inquiry regarding to both belief and practice. Drawing from Scripture, creeds, philosophy, and various intellectual traditions, students will survey the discipline of theology. Catholic doctrine and tradition will be the central focus, though other Christian and non-Christian perspectives will be addressed throughout the course. *For Third Form students.*

THEOLOGY IV: SOCIAL JUSTICE AND THE COMMON GOOD

Students in this course will explore social justice issues, the foundational principles of Catholic social teaching, and apply their knowledge and faith to their experiential service work by engaging in an ongoing community service project. This course requires students to engage in learning about the organizations and communities they serve, the challenges they face, and issues of social justice on a local, national, and global level. While students engage in their service projects independently, they meet as a group to examine the theological foundations of social justice, discuss readings and current events, and to share reflections on their experiences. The coursework includes assigned readings, a reflection journal, and culminates with a final project presentation or research project. *For Fourth Form students.*

FIFTH AND SIXTH FORM ELECTIVES

SCRIPTURE AND THE WORLD 1 (FALL)

This course surveys the content of the Old Testament in its cultural, historical, literary, and theological contexts. Attention will also be given to various ways that Judeo-Christian traditions have interpreted and applied these texts and how the texts can inform contemporary political, religious, social, and moral issues.

SCRIPTURE AND THE WORLD 2 (SPRING)

This course surveys the content of the New Testament in its cultural, historical, literary, and theological contexts. Attention will also be given to the interrelationship of Judaism and Christianity, as well as to how the texts of the New Testament have been drawn upon subsequently to inform political, religious, social, and moral issues.

CONTEMPORARY MORAL ISSUES (FALL OR SPRING)

This course explores the complex landscape of contemporary moral issues, delving into specific problems, controversies, and questions that shape our understanding of right and wrong. Through a combination of theoretical frameworks, Catholic teachings, and real-world case studies, students will analyze the moral dimensions of various issues and examine how ethical considerations influence individual choices and societal structures. Topics covered include moral reasoning theories, life and death dilemmas, personal ethics, and questions of justice in a global context.

FAITH AND JUSTICE (FALL OR SPRING)

This course explores the intersection of Catholicism and being a person of justice in the modern world. Students will use the Seven Pillars of Catholic Social Teaching and apply them to an array of complex social issues around the world. In addition to exploring Catholicism's role in justice, the class will also look at Jewish, Muslim, and Buddhist principles of justice and their influence on modern Christian justice initiatives. Students will be challenged to find how the Seven Pillars are present in current society, as well as how they could be implemented in their own lives.

GRIEF AND LOSS (FALL OR SPRING)

This course is an exploration of the different aspects of grief, death, and life. Students will explore common misinformation about grief, as well as the different types of loss other than death. Other topics covered are different cultural perspectives on death, the survivor's experience of grief, and different cultural and religious beliefs about death. We conclude the course by reading the book *The Shack*. The goal of the course is to introduce students to loss in a way that is informative and to give them the tools to help navigate this experience in the future.

METAPHYSICS (FALL OR SPRING)

Metaphysics is the study of reality—of what exists. Questions within the field of metaphysics involve many of the “big” issues in life: Is there an absolute right and wrong? Does God (or a creator) exist? Who are we? Does free will exist, or are we traveling on a predetermined path? What is the nature of evil and why does it exist at all? All of these concepts and their implications for human thought and life are part of the philosophical discipline of metaphysics. Students in this course will explore various topics in metaphysics with the aim of grasping a deeper understanding of their own reality, existence, and place in time and space. Students will be challenged to think and debate, as well as write and synthesize.

RELIGIONS OF THE WORLD (FALL OR SPRING)

This is an introductory study of past and present world religions. Looking through a chronological lens, students begin with the development of religion as a way to

interpret and understand the primitive world. In the first semester, students will study the earliest Indigenous traditions as well as Hinduism and Buddhism. In the second semester, students go beyond the Eastern traditions and explore the monotheistic traditions of Judaism, Christianity, and Islam. Added to this historical and doctrinal study is a review of the ethical stance each religion takes on the contemporary issues of peace and justice.

SPIRITUAL JOURNEY (FALL OR SPRING)

Through readings from Scripture, literature, modern theologians, and spiritual heroes, this course explores life as a journey toward reality, universal truth, and ultimately God and spirituality. Other topics include mindfulness, spiritual renewal, and pilgrimage. Using inquiry-based learning and discernment, students will challenge themselves to consider how responses to experiences allow opportunity for deeper understanding and connection with God, self, and others.

THEOLOGICAL WISDOM IN LITERATURE & FILM (FALL OR SPRING)

The goal of the course is to allow students to identify and understand traditional theological questions—and the answers that have been found to those questions—through literature and film, both classic and contemporary. Our study will identify and explore key biblical themes including faith, repentance, forgiveness, life's meaning, and redemption. Students will endeavor to understand cultural perspectives on the common questions arising from human experience.

COURSE OFFERINGS

World Language

The World Language Department strives to instill in each student a love for language, cultures, and the satisfaction derived from the relative mastery of a second language. The curricula aim to develop in the student the ability to read with understanding, speak confidently, and write correctly and effectively. Students learn through storytelling and language immersion in the classroom. This foundation is further strengthened by presenting the language to the students through expanded reading, speaking, writing, conversation, and group work. Finally, students are encouraged to study language at the college level and experience those languages and cultures first-hand through chaperoned trips and exchange programs. Language courses at all levels are scaffolded around the AP Exam, allowing the implementation of real-world situations and more useful vocabulary for all students.

In addition to fulfilling the three-year language requirement, students may elect to take a second language. In doing so, they must commit to studying that language for at least two years. Sixth Form students may not enroll in a first-year language.

The Donovan Center for Learning may waive the three-year language requirement for students with diagnosed language or learning differences. Students for whom English is a second language are expected to meet all of the School's distribution requirements with the exception of foreign language.

FRENCH

FRENCH 1

Students acquire useful, high-frequency vocabulary and practice listening, speaking, reading, and writing from day one and will have periodic spoken and written assessments. By the end of the first year, the students are able to express themselves in the present and past tenses. Thematic vocabulary includes family, home, school schedule, sports, weather, places to go in a city, numbers, dates, basic adjectives, and life at Canterbury.

FRENCH 2

Students continue to build on their skills from French 1, acquiring useful, high-frequency vocabulary and practicing all four skills from day one. They are actively engaged in class and have periodic spoken and written assessments. Students in French 2 master the present, past, and imperfect tenses, as well as reflexive verbs and object pronouns. Often, the simple future and/or conditional mood are introduced. Thematic topics of

vocabulary include the rooms and objects of the house, food and drinks, the daily routine, health and wellness, and the countries of the world. Students read short texts and try to guess the meaning of unfamiliar words through context clues and cognates.

FRENCH 3/HONORS FRENCH 3

With emphasis on oral communication, culture, reading, and grammar review and expansion, students continue their mastery of the past, imperfect and future tense, and the conditional mood. They are introduced to the pluperfect and conditional past. Students read short stories (such as *La dernière classe* or *Le grand Michu*), poems, and articles on various topics of interest. Assessments are primarily oral, with some written quizzes and tests. Students at the Honors level will have extra vocabulary, homework, and longer assessments.

HONORS FRENCH 4

This rigorous course is focused on complex grammar, longer writing tasks, lengthier readings, and speaking

and has traditionally served as preparation for the AP French course. It is open to qualified students from level 3. Students read at least one major work in French. The course will be taught entirely in French and expectations are generally higher than for regular French 4.

FRENCH 4/FRENCH 5

This course focuses primarily on developing the skill of conversational French. Topics and units of study will be determined by student interest and may include French artists, musicians, and historical figures; film study; exploring stereotypes; media/social media; famous monuments in Paris; travel in France; Quebec's Winter Carnival; comparing sports in France and the US; driving/car vocabulary; and/or reading a mystery in French. Some writing and grammar topics will be incorporated as needed for communication. Projects, presentations, journal writing, class participation, pair conversations, and vocabulary quizzes will be the primary assessments.

ADVANCED PLACEMENT FRENCH LANGUAGE AND CULTURE

Conducted exclusively in French, this course is the culmination of multiple years of rigorous study and continues to develop all four language skills leading to proficiency. Through the study of six cultural themes, students explore the French-speaking world and learn to compare various cultural aspects of it to their own community. Students also read articles online, watch videos of native speakers, keep a journal in French, make regular recordings for homework, compose and express more complex thoughts and ideas, review grammar, collaborate with the teacher on vocabulary lists, and become familiar with the format of the AP exam. Students enrolled in this course are required to take the exam in May.

ADVANCED TOPICS IN FRENCH - FRANCOPHONE LITERATURE, ART, AND FILM STUDY

Students read a variety of literary works including poetry, short stories, excerpts from novels, and a play. Through authentic texts, articles, and film, students will explore the themes and issues facing people in the French-speaking world as a springboard for discussion, journal writing, and oral presentations. Additional assessments may include debates, essays, and persuasive writing. This class is conducted entirely in French.

SPANISH

SPANISH 1

In Level 1, students acquire useful, high-frequency vocabulary. By the end of the first year, they are able to express themselves effectively in the present tense. Thematic vocabulary includes family, home, school, sports, travel, clothes and colors, numbers and dates, and life at Canterbury.

SPANISH 2

By the end of Level 2, students can tell stories using present, past, and future tenses and are proficient in imperfect and preterite tenses. Thematic topics of vocabulary include families and personal relationships, shopping, daily routine, life at home and at Canterbury, and other topics related to our students' lives.

SPANISH 3

In Spanish 3, students complete their study of grammar, focusing on perfect and subjunctive tenses. Emphasis is placed on oral and more advanced written communication at this level. Students who have shown a knack for the language may be selected for the honors Spanish 3 class, in which they begin to focus on Advanced Placement tasks. *Honors section available.*

SPANISH 4

In Spanish 4, students refine their grammar through a final, sweeping review of the major grammatical topics and verb tenses. In addition, students study Hispanic culture through film, original literature, and music. A series of film shorts supplement the learning along with novels. *Honors section available.*

ADVANCED TOPICS IN SPANISH - CONVERSATION AND CONTROVERSY

Students will cover a variety of topics including deforestation, immigration, racism, and the many challenges that arise from these issues. Through documentaries, articles, and podcasts, students will examine the issues facing many Spanish speakers in the United States and in their home countries. Engaging in debates, speeches, and persuasive writing, students will culminate their language experience by covering current topics and being able to speak to the topic in the second language.

COURSE OFFERINGS

World Language

ADVANCED PLACEMENT SPANISH LANGUAGE AND CULTURE

Conducted exclusively in Spanish, this course continues to develop and fine-tune language skills. Students will compose and express more complex thoughts and ideas, review grammar, and become familiar with the format of the AP exam. Students enrolled in this course are required to take the exam in May.

ADVANCED PLACEMENT SPANISH LITERATURE AND CULTURE

In this survey course, students read representative prose (short stories, novels, and essays), poetry, and drama from the Spanish-speaking world following the reading list published by the College Board. Students make connections between the works and the historical periods and regions in which they were written to develop a deeper understanding of the cultures of the Spanish-speaking world. Students enrolled in this course are required to take the exam in May.

CLASSICS

LATIN 1

Students learn the fundamentals of Latin grammar, vocabulary, and syntax as they focus on reading and comprehending basic Latin. The course follows the first book in the *Ecce Romani* sequence focusing on Roman culture and its effects. The course will also feature various projects to better engage students and allow them to explore aspects of the ancient world.

LATIN 2

Students build upon the fundamentals of Latin grammar, vocabulary, and syntax so they can begin to tackle larger and more complex grammatical and cultural ideas. The course will follow the second book in the *Ecce Romani* sequence focusing on Roman culture and its effects. The course will also feature various projects to better engage students and allow them to explore aspects of the ancient world.

LATIN 3

This advanced Latin course follows the third book in the *Ecce Romani* sequence, which begins to transition students into unadapted Latin and prepares them for a wide range of Latin authors. By the end of the year,

students will use transitional and college-level readers for a wide variety of ancient authors. Emphasis is placed on developing close reading and translation skills, literary analysis, and an appreciation for classical scholarship and research. *Honors section available.*

LATIN 4

Students explore a broad selection of Latin authors across multiple genres, including tragedy, poetry, philosophy, oratory, satire, and comedy to gain a richer understanding of Roman literature and culture. Emphasis is placed on developing close reading and translation skills, literary analysis, and an appreciation for classical scholarship and research. Through guided reading and discussion, students will engage critically with ancient texts and consider their relevance to the modern world. *Honors section available.*

ADVANCED PLACEMENT LATIN

This rigorous, college-level course is designed to engage students in the critical reading, translation, and analysis of selections from Vergil's *Aeneid* and Pliny's letters. Students explore these texts not only as linguistic artifacts but also as works of literature shaped by historical, political, and cultural contexts. Emphasis is placed on developing advanced skills in Latin translation, literary analysis, and essay writing, as well as understanding themes, rhetorical devices, and character development. Students will also engage with modern scholarship and prepare for the AP Latin Exam through regular practice with both seen and sight passages.

ANCIENT GREEK

This course aims to introduce students to the ancient Greek language and world through *Athenaze*. The course is designed to help students learn basic pronunciation, syntax, and grammar through engaging stories and regular cultural units. The course will also include projects and visits to local museums in order to develop an appreciation for the cultures of the ancient world.