

Course Offerings

Digital Communication, Design and Innovation

Major Courses

SYRACUSE UNIVERSITY PROJECT ADVANCE: INTRODUCTION TO INFORMATION SECURITY (FALL)

Introduction to Information Security is intended to teach fundamental elements in information security and introduce the key areas of security challenges, countermeasures, and real-life examples. Topics include security properties, vulnerabilities, cryptography, security policies, access control, authentication, firewalls, wireless security, Internet security protocols, security management, security evaluation, and case studies. Students will also have hands-on experiences in information security through customized online labs. *For Fifth and Sixth Formers.*

ENTREPRENEURSHIP AND EMERGING ENTERPRISES (SPRING)

Entrepreneurship and emerging enterprises provides students a solid understanding of the vital role played by entrepreneurs in the 21st century global economy. During this course, students will assess, explore, critique, and celebrate entrepreneurship. Entrepreneurship is approached as a way of thinking and acting, as well as an attitude and a behavior. The course emphasizes entrepreneurship as a manageable process that can be applied in virtually any organizational setting and its sustainability over the life cycle of a person's entire career. *For Fifth and Sixth Formers.*

DESIGN THINKING (FALL OR SPRING)

The Design Thinking course will provide a student-led, problem-based approach to learning. Students will navigate the design process - identifying problems, developing prototypes, and evaluate success in order to develop solutions to real-world issues. Students will work throughout the semester to create an innovative solution to enhance the Canterbury community. *For Fifth and Sixth Formers.*

INTRODUCTION TO COMPUTER PROGRAMMING (FALL OR SPRING)

In this course, students will learn basic programming skills and concepts using Python. The course is designed for students with little or no programming skills. *Completion of one year of Algebra is required.*

Minor Courses

INNOVATION LAB (FALL OR SPRING)

This course is a hands-on, experiential class where students will have the opportunity to get their hands dirty by deconstructing, constructing, and repurposing materials in the pursuit of developing problem solving skills in a fun, non-traditional format.

INTRODUCTION TO DIGITAL MEDIA (FALL OR SPRING)

Introduction to Digital Media will give students the opportunity to better understand the social media landscape as an avenue toward connecting with an audience, creating engaging content, and utilizing digital analytics in order to make informed and strategic decisions. Students will explore various social media platforms, research business profiles, and analyze case studies. This course will include web conferences with industry experts and off-campus site visits. *For Fourth, Fifth and Sixth Formers.*

English

Fifth and Sixth Formers, except students in Honors Race Theory, AP Language and AP Literature, select two semester-long English electives.

LANGUAGE AND LITERATURE

This class is a combined skills course integrating acquisition of and improving on all four skill areas of English: listening, speaking, reading and writing. Students will practice new vocabulary in writing and speaking. This class also focuses on increasing listening and reading skills and strategies with an intensive focus on vocabulary development. Students will develop sentence, paragraph, and essay writing skills. Focus will be on learning grammatical structures and using this knowledge within the writing context. Furthermore, students will have the opportunity to develop strategies to improve their organizational skills and to expand and practice new vocabulary.

THIRD FORM ENGLISH – THE ELEMENTS OF LITERATURE & COMPOSITION

Studying a variety of short stories, plays, novels, and poems, students look at the ways authors use literary tools to tell moving stories. Readings may include *The Old Man and the Sea*, *The Lord of the Flies*, *The Penelopiad*, and *A Raisin in the Sun*. Students learn to write effective sentences and paragraphs and have the opportunity to practice writing the above-mentioned essay modes. The study of grammar includes instruction on avoiding the more common writing problems. *Honors section available.*

FOURTH FORM ENGLISH – AMERICAN VOICES

This course will define the term “American Voice”, as well as explore what it means to write with a unique American voice. We will consider how this definition has evolved since the birth of our nation by tracing its development through literature and non-fiction. Students will explore current issues and high interest topics through the close analysis of literature. The course includes all genres — novel, poetry, non-fiction, drama, short story, and film. The writing curriculum gives students the opportunity to focus on writing organized paragraphs and extended essays while practicing the various essay modes of the English Department writing curriculum. *Honors section available.*

HONORS RACE THEORY

Students in Honors Race Theory will participate in a complex study of Critical Race Theory in America. This year long course will spend time engaging with a variety of text and films authored or produced by the following individuals: Yaa Gyasi, Harriet Jacobs, James McBride, Tommy Orange, Nicole Chung, Malcolm X, Martin Luther King, Jr. and Ava DuVany. This discussion based course will require students to share their opinions and write daily with an emphasis on the personal narrative. *For Fifth Formers. *Sixth Form students may enroll for the 2020-2021 academic year.*

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. The reading and writing students do in the course should deepen and expand their understanding of how written language functions rhetorically: to communicate writers’ intentions and elicit readers’ responses in particular situations. The course prepares the student to take the AP English Language examination in May. *For Fifth Formers.*

ADVANCED PLACEMENT ENGLISH LITERATURE

This course seeks to help students read, write, and think more carefully and deliberately. As readers, they focus on authors’ use of language to elicit responses from their readers. As writers, they strive to write consciously rather than as an afterthought, seeking to communicate ideas more effectively. By improving their reading and writing skills, the students learn to think more clearly and precisely. In addition, they develop their vocabulary by focusing on bases,

prefixes, and suffixes and combinations of those particles in words. The course prepares the student to take the AP English Literature and Composition examination in May. *For Sixth Formers.*

Fifth and Sixth Form Electives

LITERATURE OF THE VIETNAM CONFLICT (FALL)

Of all the American wars and conflicts throughout history, none has inspired a greater volume of literature than The Vietnam Conflict. The emotional trauma and confusion of that war has led to countless novels, non-fiction narratives, memoirs, song lyrics, and poems often written by those who had fought there, but also by those coping with the aftermath of the fighting. The writing continues to this day as many continue to make sense of what once happened in a small southeast asian country over forty years ago. In this semester course we will examine the voice of an American soldier, the voice of a daughter who lost a father to the conflict before she could even meet him, and a voice from the enemy side. 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. *For Fifth and Sixth Formers.*

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. *For Fifth and Sixth Formers.*

HONORS POST-COLONIAL LITERATURE (FALL)

"The Empire Writes Back": It is often said that history is written by the victors; however, literature is written by everyone. The texts of the course are written by authors from former colonies. The course will explore and discuss the challenges and conflicts faced by the colonized and how, even though the authors are from a variety of geographical regions, the concerns of these authors share commonalities (identity, history, cultural heritage, nationhood, freedom, etc.). *For Fifth and Sixth Formers.*

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 technology 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. *For Fifth and Sixth Formers.*

SHAKESPEARE (SPRING)

This course will explore Shakespeare's tragedies, comedies, and sonnets. Through reading, writing, and active discussion, students will appreciate the universal themes and wonderful language of his works. Readings will include *Hamlet*, *King Lear*, *The Tempest*, *A Midsummer Night's Dream*, and others. *For Fifth and Sixth Formers.*

HONORS NATURE IN LITERATURE (SPRING)

The relationship between humans and nature has always been complicated. This course will explore this complex relationship through the reading of poetry, fiction, and creative non-fiction. In the course, we will examine how writers have attempted to understand the natural world around them, and we will consider how this literature, and many other factors, have affected our feelings towards and our understanding of the more than human world. *For Fifth and Sixth Formers.*

COLLEGE WRITING (FALL OR SPRING)

This course prepares students for college composition, including essays, studies, and narratives. Students analyze models of the various genres to recognize their components and techniques, which they then apply to their own writing. The course includes methods of research and documentation. The class is collaborative and participatory, with presentations and peer-editing. Since revision is critical to writing, the course directs students to better, more efficient and effective expression. The purpose of the course is for students to develop the skills necessary to write quickly and well on a college level. *For Sixth Formers.*

CREATIVE WRITING (FALL OR SPRING)

This course in creative writing combines theory and practice. As students study the techniques of past and present poets, novelists, and playwrights, they practice applying those models and methods to their own work. The goal of this course is for students to produce a publishable collection of original work. *For Fifth and Sixth Formers.*

HONORS CREATIVE NONFICTION 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, and 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 Formers.*

SYRACUSE UNIVERSITY PROJECT ADVANCE: GENDER AND LITERARY TEXTS (FALL OR SPRING)

The course foregrounds readers’ *interpretive* practices, i.e., how we read and make meaning in texts, particularly if we interpret them using the premise that gender is a social construct—rather than a natural, ahistorical “essence” that somehow “expresses” our true “selves.” To examine the ways in which literature participates in the social reproduction of gender, as well as the difference that gender makes in the production and reception of literary texts, students will practice extensive close reading, evidence-based analysis and argumentation, and independent-inquiry. Raising awareness of how meanings are created through acts of critical reading, students will thus learn to analyze the ways texts construct categories of difference, including differences of gender, race and social class. *For Fifth and Sixth Formers.*

History and Social Science

FOUNDATIONS OF CIVILIZATION

Foundations of Civilization is offered primarily to Third Formers with the purpose of establishing the basis for historical study. The course is designed not only to cover the content of emerging civilizations, but also to introduce and develop organizational, analytical, research, and writing skills. The course begins with an exploration of the history of ancient civilizations in Mesopotamia, China, Africa, and India as well as the “classical” civilizations of Greece and Rome. Students then focus their studies on the formation of empires in Russia, East Asia, Africa, and the Middle East before discussing the European Middle Ages and the formation of early modern Europe. Students complete a number of writing assignments including a short research paper. *Honors section available.*

WORLD HISTORY

World History is offered primarily to Fourth Formers. 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 & Reformation, the Age of Exploration, the Scientific Revolution & 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 Formers. 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 Formers. 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 AP World History exam in May and complete a short research paper.

UNITED STATES HISTORY

United States History is offered primarily to Fifth Formers. The course is presented chronologically from European arrival to the post World War II era with an emphasis on acquiring core knowledge and interpreting the meaning of the essential events and issues that make up the American heritage. Students continue to develop the essential skills needed to think and write like a historian by applying active reading strategies and engaging in student-centered enrichment activities designed to promote analysis of controversial issues. Each chapter is supplemented with primary source documents from the Stanford Reader series designed to develop skills in critical reading, source analysis, and interpretive thinking. Along the way, students continue to develop their persuasive writing and research skills by completing an independent research project during the second semester. *Required for graduation.*

HONORS UNITED STATES HISTORY

Honors United States History is offered primarily to Fifth Formers. This course is structured around this central question: what does it mean to be an American? By this, we mean to search our history from the colonial period to the post-World War II era to discover the beliefs, character traits, and institutions that make America unique. Content is presented thematically by focusing on the role of citizenship, the role of the west, and connecting the past to the present in an effort to understand the consistencies and contradictions in the American Dream. Students engage in experiential learning in the classroom through extended simulations, trials, and debates to promote historical thinking by analyzing controversial issues through a variety of perspectives before casting judgment as an historian. Students learn strategies for critical thinking, persuasive writing, and research which culminates in an interpretive project during

the spring semester.

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 to present reasons and evidence clearly and persuasively in an essay format. Students enrolled in this course are required to take the AP United States History exam in May and to write a research paper.

ADVANCED PLACEMENT GOVERNMENT AND POLITICS

AP U.S. Government and Politics is an introductory college-level course in U.S. government and politics. Students cultivate their 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. *For Fifth and Sixth Formers.*

Fifth and Sixth Form Electives

HOLOCAUST (FALL)

This course introduces students to the historical origins of anti-Semitism and surveys German history from the twentieth century to World War II. Emphasis is placed on the political and social developments which 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. *For Fifth and Sixth Formers.*

REVOLUTIONS AND REVOLUTIONARIES (FALL)

This course will compare and contrast a variety of political, social and intellectual revolutions that have profoundly shaped the modern world. Besides examining the dramatic events surrounding the respective French, Russian, Chinese, and Iranian Revolutions, an analysis of other transformational episodes in history will be studied, including the Industrial and Digital Revolutions. The human agents of major change that we will look at include 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. *For Fifth and Sixth Formers.*

HONORS GLOBAL CAPITALISM: FROM THE MODEL T TO THE IPHONE X (FALL)

Global capitalism aims to introduce students to the real world workings of global capitalism. This project based course will introduce students to global markets, strategies and labor outsourcing of multinational corporations as well as the complex global supply chains employed by such corporations. We will also examine the relentless pace of innovation and how companies develop better products and production methods to increase profit margins, expand market share and thrive financially. Readings will come from actual business school case studies and students will be responsible for assessing and analyzing multinational companies such as Disney, Starbucks, Alibaba and Nike as well as the legendary entrepreneurs who founded these companies. Students will follow global markets on a daily basis, read regularly from the *Wall Street Journal* and *Financial Times* and will complete independent projects that will require them to choose topics of interest to explore in depth. *For Fifth and Sixth Formers.*

HONORS HISTORY OF LATIN AMERICA (FALL)

In this course, the 600 year period from Pre-Columbian Americas to the present day will be analyzed through economic, social, political, philosophical, and cultural lenses. This will provide a clearer understanding of how historians study history and Latin America in particular. Understanding why Latin America is so connected to the United States while having its own rich and exciting history will be essential themes of this course. All of this will be

done by analysis of primary sources like books, paintings, songs, journals, and cultural items. Excerpts of secondary sources will also be looked at to understand the differing conclusions historians draw from the same information. *For Fifth and Sixth Formers.*

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. *For Fifth and Sixth Formers.*

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 who are 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. *For Fifth and Sixth Formers.*

HONORS CORPORATE COLONIALISM (SPRING)

In this class, students will be learning about the rise of Multinational Corporations (MNC) and their role in imperialism between the 17th and 20th centuries as well as determining if it is still going on to this day. Three questions will frame this class throughout the semester: How did companies colonize for European empires? If it did, how did imperialism and MNC change by the 19th/20th centuries? Globalism or Imperialism? Students will look at companies as case studies throughout the centuries in question, such as the British East India Company, Belgian Free State, United Fruit Company, and Firestone. At the end of the course the students will research an aspect of MNC or Imperialism (social aspects, economic impacts, or political implications) and delve deeply into the subject to understand the nuances and impact of said aspect. *For Fifth and Sixth Formers.*

HONORS GLOBAL ECONOMY: HISTORY AND PRACTICE OF INVESTMENT MANAGEMENT (SPRING)

This course studies the history and practice of building investment portfolios. Topics include diversification, asset allocation, portfolio optimization, factor models, the relation between risk and return, active and passive investing, simulation. The course includes case studies of legendary investors such as Peter Lynch, Jack Bogle and Warren Buffett. Students will be required to construct and manage their own investment portfolios. *For Fifth and Sixth Formers.*

AMERICAN GOVERNMENT (FALL OR SPRING)

This course is designed to help students understand the history and structure of the American government. The class begins with a study of the Articles of Confederation, the Constitution, and the three branches of government. The course then moves on to such topics as state and local government, the responsibility of the government in domestic affairs, and U.S. foreign policy throughout the years. Through the examination of American government, students will be better equipped to make informed decisions as citizens. A short research paper is required. *Prerequisite: United States History. For Fifth and Sixth Formers.*

CURRENT POLITICAL ISSUES (FALL OR SPRING)

This course will serve as an introduction to current debates and issues related to civil and political violence. The course is divided into three parts: 1) creating an understanding of how conflicts and violence are conceptualized, measured,

and the causes and triggers of conflict, 2) the consequence of conflict on people's lives: focusing on education, health and labor outcomes, economy, social capital and political participation, and offer proposed forms of conflict management and 3) student led presentations based on research conducted in the field as it relates to current events. *For Fifth and Sixth Formers.*

US FOREIGN POLICY: THEORY, TRADITION, AND TODAY (FALL OR SPRING)

This course is dedicated to familiarizing students with the major traditions that have dominated American foreign policy. Students will examine prominent theories in international relations while taking part in a series of case studies and simulations. Students will then apply their knowledge of diplomatic history and International Relations theory from the course to discuss and debate the factors that contributed to events including the annexation of the Philippines, the Marshall Plan, the 1953 coup in Iran, the Cuban Missile Crisis, and the Iraq War. *For Fifth and Sixth Formers.*

SYRACUSE UNIVERSITY PROJECT ADVANCE: ECONOMICS OF PERSONAL FINANCE (FALL OR SPRING)

This Introduction to Personal Finance focuses on the foundations of financial planning—such as setting short-term and long-term financial goals—and then tackles essential aspects of consumer personal finance, including record keeping, budgeting, banking, saving, borrowing, investing, insurance, taxes, and retirement planning. *For Fifth and Sixth Formers.*

SYRACUSE UNIVERSITY PROJECT ADVANCE: PRINCIPALS & CONTEMPORARY ISSUES IN SPORT MANAGEMENT (SPRING)

Principles and Contemporary Issues in Sport Management is an introductory course offered through the Syracuse University David Falk College of Sport and Human Dynamics. This course introduces the student to sport management concepts and sectors through an examination of problems and issues faced by contemporary sport management. Unique characteristics of sport and resulting social and ethical responsibilities of sport managers will be discussed. In addition to the use of traditional pedagogical teaching methods to deliver basic sport management concepts, students 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 Formers.*

Languages

Classics

LATIN 1

Students learn the fundamentals of Latin grammar, vocabulary, and syntax as they focus on reading Latin and using conversational Latin. The reading passages are adapted from Plautus to Boethius, through which the students come to understand the many facets of the Roman and post-Roman world.

LATIN 2

Students expand their learning of basic grammar and vocabulary as they read about Heloise and Abelard, Charlemagne, and Christopher Columbus. Cultural study includes aspects of the use of Latin in the Middle Ages, the Renaissance, and in early modern life.

LATIN 3

Students begin the year by reading excerpts from Julius Caesar's *De Bello Gallico* and selections from Catullus and Cicero. In the second semester, the students read selections from books 1-6 of Vergil's *Aeneid* as well as excerpts from

Horace's *Odes* and Ovid's *Metamorphoses* within the cultural context of the Augustan age. Finally, they will read post-antique era authors, including Erasmus, Petrarch, and John Parke. *Honors section available.*

LATIN 4

Students in Latin 4 will read selections from Vergil's *Aeneid*, books I-VI, and will study the necessary grammar and syntax as well as versification and figures of speech. Students will take periodic tests on the material and will write essays on the meaning of the poetry and the historical background of the poem. *Honors section available.*

ADVANCED PLACEMENT LATIN

AP Latin is equivalent to an upper-intermediate level college course in Latin focusing on the in-depth study of selections from two of the greatest works in Latin literature: Vergil's *Aeneid* and Caesar's *Gallic War*. Students cultivate their understanding of classics through preparing and translating readings and considering themes in the context of ancient literature as they explore concepts like literary techniques, Roman values, war and empire, leadership, views of non-Romans, history and memory, and human beings and the gods. The course prepares students to take the AP Latin exam in May.

French

FRENCH 1

In French 1 students acquire useful, high frequency vocabulary. 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, clothes, colors, numbers, dates, and life at Canterbury.

FRENCH 2

By the end of Level 2 students are studying the basics of the subjunctive mood. Students in French 2 master the past tenses the imparfait and the passé composé. Thematic topics of vocabulary include talking on the phone and sending texts, personal relationships, life at home and at Canterbury, going on a date, fashion, shopping, and school life.

FRENCH 3

In French 3 the students round out their study of French grammar, and continue the mastery of the past tenses and future, conditional and subjunctive. An emphasis on oral and more advanced written communication also continues at this level. We use video clips to expose the students to native speakers. *Honors section available.*

FRENCH 4

In French 4 the students refine their grammar through a final review of the major grammatical topics and verb tenses. In addition, the students study culture through film, literature, and music. A series of film shorts supplements the learning. *Honors section available.*

ADVANCED PLACEMENT FRENCH LANGUAGE AND CULTURE

Students in the AP Language class prepare for the AP Language and Culture exam. Conducted exclusively in French, the course continues to develop all language skills. The students also compose and express more complex thoughts and ideas, review grammar, and become familiar with the format of the AP exam. Though the AP exam is the final assessment, this class continues the acquisition of structures and fine-tunes language use and skills. The course prepares students to take the AP French Language exam in May.

Spanish

SPANISH 1

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

SPANISH 2

By the end of Level 2 students are studying the basics of the subjunctive mood. Students in Spanish 2 master the past tense, the imperfect and preterit. Thematic topics of vocabulary include talking on the phone and sending texts, personal relationships, life at home and at Canterbury, going on a date, fashion, shopping, and school life.

SPANISH 3

In Spanish 3 the students complete their study of grammar, focusing on the perfect tenses and the subjunctive. We continue the emphasis on oral and more advanced written communication at this level. Students who have shown a knack for and ease with the language may be selected for the honors Spanish 3 class where we begin to focus on Advanced Placement tasks. *Honors section available.*

SPANISH 4

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

ADVANCED TOPICS IN SPANISH - CONVERSATION AND CONTROVERSY

Students will cover a variety of topics ranging from deforestation to immigration, racism, and the many challenges that arise with these issues. Through authentic documentaries, articles, and podcasts, students will live the issues facing many Spanish speakers in the United States and in their home countries. With the use of debates, speeches, and persuasive writing, the students will culminate their language experience by covering current topics and being able to speak to the topic in the second language. *Department approval required.*

ADVANCED PLACEMENT SPANISH LANGUAGE AND CULTURE

Conducted exclusively in Spanish, this course continues to develop language skills. Students will also compose and express more complex thoughts and ideas, review grammar, and become familiar with the format of the AP exam. Though the AP exam is the final assessment, this class continues language acquisition and fine-tunes language use and skills. The course prepares students to take the AP Spanish Language exam in May.

ADVANCED PLACEMENT SPANISH LITERATURE AND CULTURE

Students in this class read representative prose (short stories, novels and essays), poetry, and drama from the Spanish speaking world. This is a survey course that follows the reading list published by the College Board. The students make connections between the works read and the historical period and regions in which they were written. Students develop a deeper understanding of the cultures of the Spanish-speaking world. The course prepares students to take the AP Spanish Literature exam in May.

Mathematics

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.*

FUNDAMENTALS OF ALGEBRA 2

The goal of this course is to extend the topics and skills of Algebra 1 and Geometry at an appropriate pace. Students will concentrate their efforts on linear, quadratic, exponential and logarithmic functions. Fundamentals of Algebra 2 is a calculator intensive course. Successful completion of this course will prepare students to transition to Elementary Functions. *For Fourth Formers.*

ALGEBRA 2

The goal of the intermediate algebra course is to introduce and automate the middle-level algebra skills. Practice in the fundamental topics (linear equations, exponents, logarithms, graphs, verbal problems, systems of linear and nonlinear equations, complex numbers, right triangle trigonometry, 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, we will explore both familiar functions and new functions through a more critical lens. Throughout the year your knowledge and skills acquired in previous courses will be strengthened through effort and practice. Some topics we will explore include—linear systems, polynomial functions, exponents, and logarithms. We will 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 emphasize 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 the student's knowledge and skills acquired in previous courses. The course begins with a thorough review of selected topics—linear systems, polynomial functions, exponents, logarithms, sequences, series—and continues with an extensive study of trigonometry both as the solution to triangles and as the study of circular functions. At a more rapid pace, the honors section 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. Topics include 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.

ADVANCED PLACEMENT CALCULUS

This course closely examines the theory behind and the applications of the derivative. A strong background knowledge of elementary functions and analytic geometry is required. The second half of this course closely examines integral calculus. The course curriculum satisfies the AB syllabus of the AP program. The course prepares students to take the AP Calculus exam in May.

ADVANCED PLACEMENT STATISTICS

This course covers the AP syllabus with specific emphasis in data exploration, experimental design, probability, and statistical inference. AP Statistics is a non-calculus based course which introduces students to methods and tools for collecting, analyzing, and drawing conclusions from data. This course is graphing calculator intensive. The course prepares students to take the AP Statistics 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. *Department approval required.*

Science

** Indicates a 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 Formers.*

HONORS BIOLOGY (LAB)*

This course includes an 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. In the lab, students investigate the molecular and cellular structures of living organisms, proceeding to larger and more inclusive organizational levels. In inquiry-based laboratory experiments students learn to critically analyze and interpret data. Students are prepared to take the SAT subject test in biology at the end of the school year. *Primarily for Third Formers.*

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 studies of 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. The course prepares students to take the AP Biology exam in May. *Minimum prerequisite: Honors Biology and Honors Chemistry. For Fifth and Sixth Formers.*

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 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 Formers.

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, equilibrium, electrochemistry, and nuclear chemistry. The course is blended and includes 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. Students are encouraged to take the SAT subject test in chemistry at the end of the school year. *Minimum prerequisite: Algebra 1. For Fourth and Fifth Formers.*

ADVANCED PLACEMENT CHEMISTRY (LAB)*

Students perform advanced chemical calculations using data acquired during laboratory experimentation. Critical thinking and problem-solving skills are developed as students learn about atomic theory and structure, chemical bonding, nuclear chemistry, gas laws, and kinetic-molecular theory, reaction types, stoichiometry, equilibrium, and thermochemistry. The course prepares students to take the AP Chemistry exam in May. *Minimum prerequisite: Honors Algebra 2 and Honors Chemistry. For Fifth and Sixth Formers.*

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 Formers.*

ADVANCED PLACEMENT PHYSICS 1 (LAB)*

In this college level course, topics are covered in-depth and the material is cumulative. In the first semester, students

study kinematics, Newton's laws, work, energy and power, as well as momentum and collisions. In the second semester they study circular motion and the universal law of gravitation, simple harmonic motion, introductory circuits, mechanical waves, and sound. Additional topics may include optics, thermal physics and modern physics. 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 1 test in May. *Prerequisites: Honors Chemistry, Honors Pre-Calculus, concurrently. For Fifth and Sixth Formers.*

ADVANCED PLACEMENT PHYSICS C (LAB)*

In this college level course, topics are covered in-depth and the material is cumulative. In the first semester, students study kinematics, Newton's laws, work, energy, and power, linear momentum and collisions, circular motion and rotational oscillations, and the universal law of gravitation. In the second semester they study electrostatics, conductors and dielectrics, circuits, magnetic fields, and electromagnetism. Introductory differential and integral calculus is used throughout the course. Collaborative work is promoted in problem solving. 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 and the AP Physics C Electricity and Magnetism test in May. *Minimum prerequisites: Honors Chemistry and Calculus, concurrently. For Fifth and Sixth Formers.*

ADVANCED PLACEMENT PSYCHOLOGY

The Advanced Placement Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings 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. The course prepares students to take the AP Psychology exam in May. *For Sixth Formers.*

Electives

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. 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 Formers.*

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, Tundra, and Rivers and Lakes. Students study the human impact on each of the ecosystems. Students must have successfully completed a course in introductory biology. *For Fifth and Sixth Formers.*

OBSERVATIONAL ASTRONOMY (FALL)

This semester course is an introduction to the mysteries of the heavens. Readings in the course are centered on how we view the sky from earth's perspective. Using college-level simulations, we study the geometry of many celestial

systems. We start with the planetary configuration of our solar system and Kepler's Laws of Orbital Motion. We continue with the examination of the celestial sphere and use it to understand the seasons, the paths of the sun, and the apparent motion of the night sky. Next, we take an in-depth look at how the earth-sun-moon geometry gives rise to the phases of the moon as seen from earth. Lastly, we learn the inner workings of both reflecting and refracting telescopes. *For Fifth and Sixth Formers.*

SCIENCE OF CONSERVATION (FALL)

This course is a survey of wildlife conservation and management. We will paint with a broad brush as we discuss a vast spectrum of topics related to wildlife conservation. It will be stressed that wildlife conservation is a social process encompassing activities that define, and seek to attain, wise use of wildlife resources including their habitats. In addition to introducing the science of wildlife conservation, we will also identify and discuss the role of government wildlife agencies and private wildlife organizations. *For Fifth and Sixth Formers.*

COSMOLOGY & ASTROPHYSICS (SPRING)

This semester course takes a look at the universe as a whole and ties ideas of physics and chemistry with the cosmos. Readings in the course explore modern theories of cosmology and the efforts of 20th century astronomers to explore and explain the universe. This course begins with a brief overview of the fundamental physics principles that are central to an understanding of astronomy: forces and motion, the nature of gravity, and light and optics. We continue with an examination of our sun and move on to a more general study of stellar evolution and galaxy formation. Next, we explore a wide range of exotic astronomical phenomena that the heavens hold—quasars, pulsars, black holes, and supernova—as fascinating as they are bizarre. The study of these objects leads into a discussion of Einstein's General Theory of Relativity. Finally, we consider the possibility of extraterrestrial life and ponder the question: "Are we alone?" *For Fifth and Sixth Formers.*

ENVIRONMENTAL SCIENCE (LAB)* (SPRING)

Using the Canterbury environs as a case study, students explore forest, field, and pond ecosystems, pollution of air, water and soil, toxic waste, carbon footprints, population growth, and environmental activism. Primary reading sources include the Internet, newspapers, and scholarly journals. Students conduct laboratory studies of water quality and the dominant populations of living organisms on the East Aspetuck River in New Milford. In conjunction with the Connecticut Department of Environmental Protection, students collect chemical and biological data and analyze it to determine levels of water quality. *For Third and Fourth Formers.*

IMMUNOLOGY AND INFECTIOUS DISEASE (SPRING)

This course invites you on a journey to explore the impact of disease on human communities throughout history and to anticipate how disease may shape the future. Focusing on one disease at a time, we will follow multiple learning threads: the biology of the disease, the human immune response, the history of the disease outbreaks, the social context for the disease, and the metamorphoses of the diseases through different time periods. Smallpox, syphilis, HIV/AIDS, influenza, bubonic plague, cholera, and malaria are just some of the influential diseases that we will cover. *For Fifth and Sixth Formers.*

NUTRITIONAL SCIENCE (SPRING)

This course introduces students to the fundamentals of human nutrition. Students will explore the role that nutrition, exercise, sleep, and other health behaviors have on human function and performance. Through investigations of scientific literature, students will be able to understand the role that social, psychological, ecological, and political factors have on nutrition in society and our community. *For Fifth and Sixth Formers.*

WATER, ENERGY & CLIMATE (SPRING)

This course examines three major environmental issues facing our planet: freshwater quality, energy resources, and climate change. Ways of combating and improving these issues are addressed as well. Lecture presentations, interactive

discussions, and multimedia materials are used to stimulate interest in the studies and to promote academic success. Two full-day trips give students actual hands-on experience. *For Fifth and Sixth Formers.*

ANIMAL ANATOMY (LAB)* (FALL OR SPRING)

Students in this course study the anatomy of a diverse selection of animal life. They learn 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, Fourth and Fifth Formers.*

ENGINEERING FUNDAMENTALS (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 Formers.*

NEUROSCIENCE AND BEHAVIOR (FALL OR SPRING)

This course is a survey of neurophysiological systems and how they affect mood, thinking, and behavior. The course will focus on basic concepts of neuroscience and how brain mechanisms mediate sensation, motivation, emotion, learning, and abnormal behavior. *For Fifth and Sixth Formers.*

Theology

Minor Courses

THEOLOGY III: INTRODUCTION TO MORALITY

This course introduces students to the concepts of morality and social conscience. Students will use Canterbury's Five Values as a framework to explore the aspects of the development of character and its influence on decision making as well as our relationship with God, self, and others. *For Third Formers.*

THEOLOGY IV: SOCIAL ACTION AND THE COMMON GOOD

The common good as a foundational principle is closely intertwined with Human dignity and leads to solidarity. Because we are created as social beings, individual rights need to be experienced within the context of promotion of the common good. Modern Catholic Social Thought speaks of a solidarity not only a virtue to be enacted by individual persons one at a time, but also as expressed in the economic, cultural, political, and religious institutions that shape society. As human interdependence grows throughout the world, the common good takes on an increasingly universal complexion and consequently involves rights and duties with respect to the whole human race. Through topical readings and case studies, students in the Fourth Form will imagine a new model of international interdependent responsibility and pursuit of the common good through the lens of Catholic Social Teaching and our relational roles as agents of moral action within society. Socratic dialogues, critical thinking, and analytical reflection will form the framework of the course. *For Fourth Formers.*

GRIEF AND LOSS (FALL OR SPRING)

Grief and Loss is an exploration into 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 life after death. We also explore near-death experience and 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 give them the tools to help navigate this experience in the future. *For Fifth and Sixth Formers.*

HUMAN RELATIONS (FALL OR SPRING)

This course is a philosophical, psychological, and theological investigation of the possibilities and limitations of human relationships. It critically examines themes in Christian spirituality with special attention given to various human practices, experiences, and ideals, including friendship, family, and liturgy. The course will focus on the study of developmental and behavioral issues in adolescence and early adulthood with an emphasis on emotional intelligence, self-identity, and the understanding of the role of self, God, and others building inter and intrapersonal skills. *For Fifth and Sixth Formers.*

INTRO TO PHILOSOPHY (FALL OR SPRING)

Ever wondered if God exists? If you have free will? If life has meaning? What makes an action intrinsically right or wrong? What does it mean to be happy? Should you fear death? What is Truth? This introductory course is an opportunity to study philosophy in order to develop the ability to understand and evaluate your own beliefs and values, as well as those of others, so that you can become an open-minded, respectful, thoughtful adult and responsible citizen. In this course, students learn how to inquire into complex problems and begin to formulate a personal philosophy. Students learn effective methods of inquiry, logic, analysis, and criticism while being introduced to philosophical problems. Finally, students learn how to approach these issues from the perspective of a number of important philosophers, from ancient Greeks to modern thinkers. *For Fifth and Sixth Formers.*

SERVICE LEARNING: SOCIAL JUSTICE (FALL OR SPRING)

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, 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 Fifth and Sixth Formers.*

SPIRITUAL JOURNEY (FALL OR SPRING)

Readings from scripture, literature, modern theologians, and spiritual heroes will be our guides through an exploration of the theme of life as a journey toward reality, universal truth, and ultimately God and spirituality. Students will also specifically explore the concept of pilgrimage. This course will cover topics such as mindfulness, spiritual renewal, intentional travel, and the sacred journey. Inspired by formulating more questions than answers, the value of searching for those answers, and the process of discernment, students will challenge themselves to consider how responses to experiences allow opportunity to draw into deeper understanding and connection with God, self, and others. *For Fifth and Sixth Formers.*

WORLD RELIGIONS (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 our historical and doctrinal study is a review of the ethical stance each religion takes on the contemporary issues of peace and justice. *For Fifth and Sixth Formers.*

Visual and Performing Arts

Visual Art

Major Courses

** Indicates a lab fee for the course.*

CERAMICS* (FALL)

This course investigates various ways to create functional and sculptural objects with clay. Hand building techniques include pinch, slab, and coils. *For Fifth and Sixth Formers.*

DIGITAL ART (FALL)

This course will focus on the foundational concepts of digital art-making. Using a variety of tools, including computers, iPads, digital cameras, and apps, students will create a variety of different digital art work. These can include photo manipulation, collage, logo design, varieties of digital mark-making, drawing, and painting. Students will learn to problem solve visually and communicate ideas through the creative integration of type, text, and imagery.

Prerequisite: completion of Intro to Visual Art and/or Drawing. For Fourth, Fifth and Sixth Formers.

PRINTMAKING* (FALL)

This course provides students with an introduction to various experimental and traditional printing processes and their relationship to composition and color. Among the types of prints that may be covered include the use of digital imagery, monotype, linoleum, woodblock, embossing, and screen print. Assignments may include a t-shirt logo design, postcard project, and a large-scale transportation design using various textures including tires from large machinery. Experimentation is encouraged! *For Fourth, Fifth and Sixth Formers.*

ARCHITECTURE* (SPRING)

This introductory course concentrates on giving students a broad view of architecture in both the technical and creative sense. Drawing assignments may include freehand drawing, an imaginative proposal project that combines various drawing types, a community park design, and the design and development of a residence. For the final project students design a set of plans (floor, elevation and site plans) and build a scale model. *For Fourth, Fifth and Sixth Formers.*

INTRODUCTION TO VISUAL ART* (SPRING)

This course introduces the studio experience through the exploration of in-depth design concepts, terminology, and various media. Projects include drawing, painting, printmaking, and 2D and 3D Design. The course is strongly suggested as a prerequisite for further work in studio art. *For Third Formers.*

PAINTING* (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 imagination. Materials may include watercolor, acrylic, and collage. *For Fourth, Fifth and Sixth Formers.*

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. *For Fourth, Fifth and Sixth Formers.*

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. *For Fourth, Fifth and Sixth Formers. Department approval required for Third Formers.*

ADVANCED PLACEMENT TWO-DIMENSIONAL DESIGN*

This 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. 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. *For Sixth Formers only. Department approval required.*

ADVANCED PLACEMENT THREE-DIMENSIONAL DESIGN*

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. *For Sixth Formers only. Department approval required.*

ADVANCED PLACEMENT DRAWING*

This course is for the serious art student whose prior work exhibits advanced technical experience and conceptual thought processes. The course focuses specifically on using a variety of drawing media. 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. *For Sixth Formers only. Department approval required.*

ADVANCED CERAMICS, ADVANCED PAINTING, ADVANCED PRINTMAKING* (OFFERED AS STUDENTS QUALIFY)

These courses build on the same techniques and media learned in the introductory courses. The advanced courses emphasize a more conceptual approach and development of personal style. Students also use these courses to help them prepare a portfolio for college entrance or to enhance their college applications. *For Fifth and Sixth Formers. Department approval required.*

ADVANCED ART PORTFOLIO, ADVANCED 2-D OR 3-D DESIGN*

In this course, advanced students will focus on experiential techniques and concepts as they continue to develop skills to produce high quality works of art in two or three dimensions. Emphasis is placed on creating more complex visual statements using a wide range of materials and processes. Topics may include social or political statements resulting from in-depth studies of contemporary artists. Students will also have the opportunity to focus on a chosen subject or medium. The course is intended for advanced students creating a portfolio, but not taking the AP exam. *For Fifth and Sixth Formers. Department approval required.*

Performing Art

Major Courses

CONTEMPORARY MUSIC BAND

The Contemporary Music Band is a high-level ensemble comprised 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. In addition, students are given the opportunity to record a digital portfolio in our on campus recording studio. When selecting pieces for the group, student's musical experience as well as musical interests are considered. Students enjoy having some input into song selections. *By audition. Minor section available.*

VARSITY VOICES

Varsity Voices is Canterbury's high-level vocal acapella ensemble, specializing in 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 and students who have experience in vocal percussion/beat boxing. This ensemble will perform regularly both on and off campus. *By audition.*

COMPUTER MUSIC 1: USING GARAGEBAND (FALL)

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, record a podcast episode and record 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. This course is open to all students. Students will learn how to create their own music with Apple Loops, record MIDI with software instruments, learn how to write beats and learn how to 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)*

ACTOR'S APPROACH TO PUBLIC SPEAKING (FALL OR SPRING)

Theatre training develops the imagination, critical thinking, problem-solving, and communication skills that are needed for everyday life. This course uses theatre techniques to help students enhance their public speaking in both formal and informal environments. Using the storytelling and character-development techniques of theatrical improvisation, participants will acquire and practice voice and speech techniques to build oral communication skills, confidence, and enjoyment in public speaking, presentation, or performance. *For Fifth and Sixth Formers.*

Minor Courses

CARILLON GUILD

This course introduces students to the art of playing the carillon. Students will work on the practice clavier, preparing music suitable for the instrument. Canterbury has the unique honor of housing one of Connecticut's eleven Carillons. Located in the Chapel of Our Lady, Canterbury's Carillon was installed in 1931, making it one of the oldest in Connecticut, as well as the smallest, with twenty-three bells. When a student has reached an appropriate level of mastery on the practice clavier, they will have the opportunity to perform on the chapel's Carillon.

CHORALE

Canterbury Chorale is the place where anyone can find their singing voice. This choir emphasizes the healthy habits of ensemble singing through a variety of genres and styles. Canterbury Chorale is open to all students, without audition, and 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 the ability and instrumentation of each group. This is an excellent opportunity for students to be exposed to material that is often not studied on 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.*

JAZZ/ROCK/POP ENSEMBLE

The Jazz-Rock-Pop Ensemble is a group where anyone with experience on an instrument listed below can enjoy playing music. The group plays contemporary styles of music in the pop, rock and jazz genres. Students who play any of the following are welcome: alto sax, tenor sax, baritone sax, soprano sax, trumpet, trombone, piano, bass, guitar, and drums. Students enjoy preparing music for performance at various concerts and special events, both on and off campus.

ORCHESTRA

The Canterbury Orchestra will perform various selections from an expanded repertoire including styles of music ranging from symphonic to contemporary pop selections. 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. *Prerequisite: 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.*

ROCK BAND

Rock Band is a place where students of beginning to intermediate level on the guitar, bass, drums, or vocals can enjoy preparing songs from a variety of rock music styles. Students enjoy learning about classic to modern rock, and perform at concerts on and off campus in the fall, winter and spring. *By audition.*

INTRODUCTION TO GUITAR (FALL)

Students will have the opportunity to explore music through the medium of guitar playing. Students will have hands-on work in every class and may work independently on occasion. Topics include chord shapes, strumming patterns, rhythm guitar playing, playing in a group, and the use of a capo. Students will also learn to read chord charts and tablature. This course is ideal for any student who is interested in learning how to play the guitar. For students who do not own a guitar they can rent one or use guitars in the classrooms for practice.

THEATER PRODUCTION (FALL)

Student actors, through rehearsal and performance in the fall play, practice techniques unique to theatrical production. Analyzing character, understanding relationships between characters, vocal projection and body expression are all part of the course. Actors are expected to display disciplined work ethic, teamwork and personal responsibility as basic requirements for participation. Two performances on the Canterbury stage for audiences culminate the course. This counts as either minor (.25) or major (.5) credit, depending on time commitment. *By audition.*

ACOUSTIC GUITAR (SPRING)

In this course students learn a repertoire of pop and rock songs classic through modern. Students review major and minor chords and learn a variety of techniques used to play popular songs such as flatpicking, finger-picking, as well as strumming and rhythmic patterns. *Prerequisite: Intro To Guitar, or students must be familiar with major and minor chords.*

MUSICAL THEATER PRODUCTION (SPRING)

Student actors, through rehearsal and performance in the spring musical, practice performance techniques unique to musical productions. Singing, dancing and the art of performance in this genre are part of the course. Actors are expected to display disciplined work ethic, teamwork, and personal responsibility as basic requirements for participation. Two performances on the Canterbury stage for audiences culminate the course. Counts as either minor (.25) or major (.5) credit, depending on time commitment. *By audition.*

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. Students will become familiar with the proper use of tools for set building, gain an understanding of set design as it applies to Canterbury's theater space and learn the basics of stage maintenance, lighting, and sound needs for the actors. Instruction will emphasize terminology, basic concepts and safety. Two performances on the Canterbury stage for audiences culminate the course. This course counts as either a minor (.25) or major (.5) credit, depending on time commitment. *By audition.*

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 in playing. *A fee is charged for private instruction.*