BRYN MAWR ONLINE

UPPER SCHOOL COURSE DESCRIPTION BOOK

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**Course list is subject to change based on enrollment*

COMPUTER SCIENCE

AP Computer Science Principles **Full Year** **1 credit**

Computer Science Principles is a College Board Advanced Placement course that is designed to introduce students to the central ideas and practices of computational thinking, and to show how computing changes the world. Students will have the opportunity to use programming, computational thinking, and data analytics to create digital artifacts and documents representing design and analysis in areas including the structure of the Internet and how it works; algorithms; and the impact that these have on science, business, and society. Students are taught how to use computational tools and techniques including abstraction, modeling, and simulation to collaborate in solving problems that connect computation to their lives. The course is rigorous and rich in computational content, includes critical thinking skills, and engages students in the creative aspects of the field. This course emphasizes themes that help students build a solid understanding and facility with computing and computational thinking — knowledge that is important, if not integral, to being part of a well-educated and informed citizenry. Students take the AP Computer Science Principles exam in May.

AP Cybersecurity **Full Year** **1 credit**

AP Cybersecurity trains students in the field and aligns closely with standard first-year collegiate cybersecurity courses. Students explore defense-in-depth strategies and learn to address specific vulnerabilities, attacks, mitigations, and detection measures across a variety of domains, including physical spaces, computer networks, devices, applications, and data. Developed in partnership with college faculty and industry leaders, this yearlong course aligns with the NICE Workforce Framework. Prior Computer Science experience is not required.

AP Computer Science A (Java) **Full Year** **1 credit**

This course emphasizes object-oriented programming methodology with a concentration on problem solving and algorithm development. The design and implementation of computer programs is used as a context for introducing other important aspects of computer science, including the development and analysis of algorithms, the development and use of fundamental data structures, the study of standard algorithms and typical applications, and the use of logic and formal methods. The course includes all topics as described in the AP Computer Science Course Description. The necessary prerequisites for entering the AP Computer Science A course include knowledge of basic algebra and experience in problem solving. A programming background is helpful but not necessary. Students take the AP Computer Science exam in May. This is a year-long course and may not be dropped at the end of the first semester.

Advanced Topics in Computer Science (Honors) **Full Year** **1 credit**

This course examines implementing data structures and algorithms for efficiently organizing and manipulating large amounts of data. Classic data structures such as sets, linked lists, queues, stacks, trees, graphs, and hash tables will be examined. Runtime efficiency of these structures will be compared using big-oh notation. Students will also develop a deeper understanding of software engineering principles and will learn how to design larger programming projects. Prerequisite: Successful completion of AP Computer Science A.

ENGLISH

English Grade 9 **Full Year** **1 credit**

This course is structured around the larger question, “How does literature teach us empathy?” We will contemplate this question largely through the lens of identity. The course texts will challenge us to explore our understanding of gender, race, sexual orientation, religion, class, nationality, and language and the structures of power that privilege some groups over others. We will learn together, about ourselves, and about others, and we will move from our safe spaces to our brave places in conversation with one another. The work we will do together directly supports Bryn Mawr’s mission of diversity, equity, and inclusion. The course is designed to instill a love for literature and

storytelling and the ways in which literature is essential to humanity's survival and progress.

English Grade 10 **Full Year** **l credit**
The tenth grade year builds on the work students did looking at empathy in the ninth grade to explore the place of the individual self in the larger, global world. The course goal to listen to a diversity of literary voices as they respond to larger historical and cultural changes and to attend to the complexities and surprises of language. Students practice discussing and writing about these discoveries. In the course of reading, discussing, and writing, students will encounter many essential questions. A few that will be considered are: What is education? Who does education serve? How does it form the individual and how can individuals understand and use their education for their own purposes? How is individual identity shaped? How do individuals achieve self-definition and self-expression? What is a self? What is the role of the community in the formation and definition of the self? What is power? In what ways is it used? How does an individual achieve empowerment?

English Grade 11 **Full Year** **1 credit**
This course builds on the skills of ninth and tenth grade to examine works and themes of (US) American literature, paying attention to how stories reflect and transform our national identity. The goal is to explore the American narrative to better understand our cultural landscape and our existence within it. In the course of reading, discussing, and writing, students will encounter many essential questions, including: What is truth? What truth is there in fiction? Why do people tell stories? What roles do stories play in our lives? What is the relationship between the past and the present? Can we leave the past behind? How has the canon of American literature crafted a narrative about what it means to be American, and what are the limitations of that narrative? What does it mean to be "an American"?

SAMPLING OF PRIOR TWELFTH GRADE ENGLISH ELECTIVES AT THE BRYN MAWR SCHOOL ENGLISH ELECTIVES CHANGE YEARLY

Award-WInning Literature	**One Semester**	**½ credit**
Creative Writing	**One Semester**	**½ credit**
Dystopian Fiction	**One Semester**	**½ credit**
Women Writers and Short Fiction	**One Semester**	**½ credit**

VISUAL ARTS

Design: Studio Art Foundations **One Semester** **½ credit**
The semester focuses more on Design themed elements of art and learning how to make an image that communicates a message. Observation, independent thinking, creativity, and problem-solving skills are developed and explored using the design-based creative process. Drawing, painting, mixed media, and 3-D components will develop the student's expressive abilities and pave the way for emergent artistic vision. Lessons on contemporary art and art history are included to give context and inspiration through discussion and analysis.

Intro to Digital Photography **One Semester** **½ credit**
This class introduces students to color digital photography and the use of the computer as a photographic editing tool. Students will learn camera skills including how to determine correct exposure, control depth of field and motion, and work with white balance. Class projects will expose students to using photography as an expressive

tool and as a tool to document reality, capturing the world as it exists. Post-production techniques with Adobe Bridge and Photoshop will be covered.

Note: Students should have their own dSLR camera whose aperture, shutter speed and film speed can be manually controlled.

Graphic Design **One Semester** **½ credit**
This semester course teaches students the basics of graphic design, including visual cohesiveness, layout, and color usage. Students will use these design concepts to create projects using the software applications Adobe Photoshop, Illustrator and InDesign. Over the course of the semester, students will develop a portfolio of pieces ranging from a book cover to a logo design to a magazine. This course will also cover basic advertising principles and teach students how to analyze print design. No previous art or computer knowledge is required.

Graphic Design II **One Semester** **½ credit**
This upper level elective course builds upon the foundational knowledge gained in Graphic Design I. Students will continue to build their portfolios and apply design skills to more complex projects, including packaging design, 3D design, and interactive or responsive design. The course will also delve deeper into the study of font and layout. The culminating project will be a personal reflection piece, meant to be used as the student's "graphic design resumé." Prerequisite: Graphic Design I.

MUSIC

Private Lessons
By arrangement with *The Music School*, students may take private lessons online with teachers of voice, piano, violin, viola, cello, flute, clarinet, saxophone, guitar and harp. Teachers for additional instruments may be arranged if demand warrants.

PUBLIC SPEAKING

Public Speaking **One Semester** **¼ credit**
(required in grade 11)
This course will provide foundational experiences in public speaking. Students will develop confidence as speakers, improve articulation, and increase vocal expressiveness. In preparation for senior convocations, Public Speaking students will study and practice speech techniques through three major speeches assignments: a personal narrative speech, an informative speech, and a persuasive speech.

HISTORY

Foundations of the Modern World **Full Year** **1 credit**
This course examines key developments in world history from the rise of Islam in the 7th century to the emergence of early modern globalization in the 16th century. The course aims to emphasize the economic and cultural vibrancy and political power of the Islamic world, China, Indian Ocean societies, and states across sub-Saharan Africa, as well as Europe and the Americas. It explores the increasing connections and interactions between different cultures and regions with an eye to providing the foundation for understanding globalization in the modern world. A key theme is shifting power dynamics (class, gender, religion, race, etc.) and how individuals have asserted their agency to challenge systems of power throughout history. The class practices the fundamental components of historical thinking: critical reading, articulation of analytical arguments, cultural sensitivity and empathy, and awareness of change between times and places. Foundations is a requirement for taking AP World History.

The Modern World **Full Year** **1 credit**

This course surveys world history from the 17th century through the present day, and completes the world history sequence. The first semester focuses on 17th through 19th century revolutions that created the modern age; the second semester traces the impact of these revolutions on the 20th century world. We use traditional texts and primary sources, novels and film as sources for understanding our world's history. Students complete a year-long portfolio of papers and projects using a variety of historical methods which allows them to develop historical skills and pursue topics of individual interest.

Advanced Placement World History **Full Year** **1 credit**

The AP World History curriculum, as determined by the College Board, is extremely rigorous and intellectually demanding. In AP World History, emphasis is on global history rather than on individual states or regions. Questions of change and continuity within societies as well as comparisons between societies are at the core of the program. This course is more theme-based and comparative than The Modern World course. The course prepares students for the Advanced Placement World History examination in May. Students who enroll in this course are required to take the Advanced Placement examination.

United States History **Full Year** **1 credit**

This course is required of all Upper School students. United States History is open to 11th and 12th graders. While readings and specific written assignments vary from section to section, all classes investigate the development of American democracy.

SAMPLING OF PRIOR TWELFTH GRADE HISTORY ELECTIVES AT THE BRYN MAWR SCHOOL HISTORY ELECTIVES CHANGE YEARLY

AP Comparative Government and Politics	**One Semester**	**½ credit**
AP Human Geography	**One Semester**	**½ credit**
Terrorism in the Modern World	**One Semester**	**½ Credit**
A.P. U.S. Government and Politics	**One Semester**	**½ credit**
The U.S. in the World (Honors)	**One Semester**	**½ credit**

MATHEMATICS

Honors Algebra 2 **Full Year** **1 credit**
This course continues the study of the structure and language of algebra, emphasizing functions, equations, expressions and their applications. Building on topics introduced in Algebra 1 and developing a deeper understanding of how to apply functions and algorithms to practical applications in science, finance, probability and more, where appropriate. Students will be introduced to new function families, developing analytical skills and understanding of key features of the graphs (domain, range, end behaviors, asymptotes, etc).
Recommended Summer Reading*: Algebra Success in 20 Minutes a Day* ISBN 1-57685-276-8. Assignment: Take the pretest to assess what areas need extra studying, review the material and do the problems in Lessons 1 – 17. Take the post-test afterwards to validate mastery.

Honors Geometry **Full Year** **1 credit**
This course in many ways parallels the Geometry course. It is offered at a much faster pace and includes a deeper examination of complex geometric figures, constructions, logic and deductive proofs. Some non-Euclidean geometry is explored. Applications, such as the uses of geometry in tiling, design, and packaging are discussed. Students may also explore three dimensions and spherical geometry. Right triangle trigonometry, begun in Elementary Functions, is extended to cover the Law of Sines and the Law of Cosines

Precalculus **Full Year** **1 credit**
This course is the traditional preparation for Calculus, summarizing the more sophisticated algebraic relationships of previous courses including functions, equations, expressions, and applications. The functions and their transformations that are studied include linear, quadratic, polynomial, rational, exponential, logarithmic and trigonometric functions. A strong emphasis is placed on mastery of both algebraic and graphical approaches to problem solving. The second semester is an in-depth study of trigonometry.

AB Precalculus **Full Year** **1 credit**
(Prerequisites: Honors Geometry, Honors Algebra II, and Mathematics Department recommendation.)
The course begins with a thorough analysis of functions and their transformations, with a flavor of rates of change to foreshadow the later study of calculus. The idea of mathematical modeling is used to appreciate how the theory of functions is applied to the natural and human-made world, including topics in music, economics, biology, medicine, and transportation. A significant amount of time is invested in intermediate and advanced trigonometry. Other topics include exponential and logarithmic functions, iterated functions, data analysis, polar coordinates, parametric equations, the binomial theorem, and sequences and series. Students are prepared to take AB Calculus the following year.

BC Precalculus **Full Year** **1 credit**
(Prerequisites: Honors Geometry, Honors Algebra II, and Mathematics Department recommendation.)
During the first semester, students work with topics in advanced graphing, parametric equations, data analysis, trigonometry, polar coordinates, sequences and series, and probability and statistics. During the second semester, the Advanced Placement Calculus curriculum is introduced. This includes the topics of limits, continuity, derivatives and antiderivatives of functions of one variable, and some applications of these concepts. Students completing this course successfully will take AP Calculus (BC) and the AP exam the following year. .

Advanced Placement Calculus (AB) **Full Year** **1 credit**
(Students must have thoroughly mastered Pre-Calculus AB and have met the honors math requirement.)
Topics covered include limits, continuity, differentiation and integration of polynomial, rational, algebraic, and transcendental functions. Applications of the derivative and the integral are stressed, with advanced graphing techniques. We follow the AP Calculus AB standard curriculum. Students take the AP Calculus exam in May. This is a year-long course and may not be dropped at the end of the first semester.

Advanced Placement Calculus (BC) **Full Year** **1 credit**
(Students must have thoroughly mastered Pre-Calculus BC and have met the honors math requirement.)
Topics in the BC Calculus include all of those listed for the AB Calculus. (Note: the BC Calculus curriculum

begins in "BC Pre-Calculus.") The BC Calculus curriculum also includes the solution of differential equations, advanced methods of integration, Taylor and Maclaurin series, tests for convergence of infinite series, additional applications of the definite integral, and polar coordinates. Students take the BC Calculus AP exam in May. This is a year-long course and may not be dropped at the end of the first semester.

Advanced Placement Statistics **Full Year** **1 credit**

(Prerequisite: A minimum score of 90% in Pre-Calculus, 87% in Pre-Calculus AB Honors, or Pre-Calculus BC Honors. Department approval required. Priority is given to seniors. Students are required to have a TI-84 graphing calculator for this course.)

Statistics is a branch of mathematics that almost all students will find useful as statistics is required for many college majors. Statistics enables one to become a critical reader of articles on research. Topics in both descriptive and inferential statistics are covered, as well as ideas concerning probability. Some of the data explored is collected by students; other information may come from newspapers, government databases, medical data, political and environmental surveys. Simulations and many uses of computer software and graphing calculations are included. Interpretation of statistical results is emphasized. Students are expected to make a considerable commitment of time to this course. All students are expected to take the Advanced Placement Examination. *This course has required summer reading.*

Introduction to Multivariable Calculus (Honors) **One Semester** **½ credit**

(Prerequisite: Successful completion of BC Calculus & permission of the department)

This course is a continuation of the study of functions begun in the B and C Semesters of Advanced Placement Calculus. The course focuses on applications and extensions of topics covered in BC, and it is designed to provide closure to some of those topics while, at the same time, preparing students for their uses and applications in both the theoretical and applied mathematics the students will see in college. Topics include the mathematics of vectors with dot and cross products, graphing functions in three dimensions, partial derivatives, and methods to locate extrema and saddle points on surfaces. If time permits, there will be an investigation of multiple integrals to calculate area, volume, surface area, and arc length in three dimensions.

Calculus **Full Year** **1 credit**

(Prerequisite: Successful completion of Pre-Calculus)

The emphasis of this course is for students to be able to select and apply Calculus concepts in the context of problem-solving. The course will strengthen the algebraic underpinnings of Calculus and re-examine advanced Pre-Calculus skills as it explores such Calculus topics as limits, continuity, differentiation, and integration. Some applications using average and instantaneous rates of change as well as area under a curve will be studied.

Topics in College Mathematics (Honors) **One Semester** **½ credit**

(Prerequisite: Completion of at least one semester of AP AB or BC Calculus)

This course is designed to enable students with significant interest, ability and preparation in mathematics to investigate some of the subject's elegant theoretical underpinnings. The class will introduce students to mathematical modeling -- the process of using mathematical structures (including equations, functions, geometric shapes, and matrices) to capture some of the aspects of the behavior of natural and human-made phenomena. Conclusions and results of this mathematics can help predict what will happen with the real phenomena. Mathematical modeling topics explored in the class will be selected from linear programming, iterated functions, regression analysis, difference equations, predator-prey models, traffic simulations, coding, apportionment, election theory, graph theory, and Markov processes. Besides mathematical modeling other topics could also include graph theory, Boolean algebras (with symbolic logic and circuit theory), and group theory. These topics are treated with a thoroughness and rigor matching that of a University level Mathematics major, and the course should provide a glimpse of the world of the working mathematician.

SCIENCE

Honors Physics **Full Year** **1 credit**
This course stresses methods of inquiry and investigative techniques; it promotes modern scientific literacy, and provides a foundation for advanced work in Physics. Major topics explored are the characteristics of, and interaction between, Matter and Energy, Kinematics, Forces, Wave Phenomena, Electromagnetic Waves, Optics, Electrostatics, Electricity. The relationship between physics and the community is emphasized, as is the connection with mathematics and other branches of science. Students are expected to learn some material independently.

Chemistry **Full Year** **1 credit**
The goal of the course is to enable students to discover how matter in the world around them behaves and changes using a laboratory-centered approach. Atomic theory, nuclear reactions, electron configurations, the periodic table and periodic trends, chemical bonding and reactions, molecular structures, the properties of water, moles, stoichiometry, kinetic molecular theory, acids and bases, solutions, thermochemistry, and oxidation-reduction reactions are studied. Basic mathematical skills are incorporated into the curriculum, using chemistry as a context for reinforcing those skills, and inquiry-based labs reinforce critical thinking skills and the scientific method.

Honors Chemistry **Full Year** **1 credit**
The topics listed for chemistry are covered in greater breadth and depth, and in a more quantitative manner. Students are expected to learn some material independently. Facility in mathematics, particularly Algebra, is an essential requirement for the course.

Biology **Full Year** **1 credit**
Topics in cell biology, animal and plant diversity, genetics, behavior, ecology and evolution, as well as detailed study of plant and animal physiology and anatomy are included in this survey course. Laboratory activities and the practice of mathematical basic skills are an essential part of the course, as well as scientific method and experimental design. The summer reading required for this course will be announced prior to the end of the current school year.

Honors Biology **Full Year** **1 credit**
The topics listed for Biology above are covered in greater depth and breadth, and the molecular aspects of biological reactions are explored more extensively. Students are expected to learn some material independently, and scientific method and experimental design are an essential part of the course. The summer reading required for this course will be announced prior to the end of the current school year.

TWELFTH GRADE SCIENCE ELECTIVES

AP Biology **Full Year** **1 credit**
This course is designed to cover the equivalent of a two-semester first year college course in Biology. Topics in Biochemistry, Cell Structure and Function, Cellular Energetics, Cell Communication and Cell Cycle, Heredity, Gene Expression and Regulation, Natural Selection, and Ecology are studied. The course will focus on inquiry-based scientific exploration and developing key science skills in both lab and non-lab activities. Students are expected to learn some material independently. All students must take the Advanced Placement Biology examination in the spring. This is a year-long course and may not be dropped at the end of first semester. The required summer reading will be announced before the end of the current school year.

AP Chemistry **Full Year** **1 credit**
This course offers the opportunity to complete and receive credit for college level work in chemistry. It integrates the three aspects of a college level course: development of theoretical concepts, construction of problem-solving techniques, and participation in a laboratory program. Topics to be explored include the topics from first year-chemistry studied in more depth, plus Chemical Equilibrium, Kinetics, Thermodynamics, Electrochemistry, Advanced Acid-Base Chemistry, and Organic Chemistry. This is a year-long course and may not be dropped at the end of first semester. Students take the AP Chemistry exam in May. The required summer assignment will be

announced before the end of the current school year.

AP Environmental Science **Full Year** **1 credit**
This course is designed to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. Field investigations, hands-on inquiry laboratory studies, simulations, experimental design and data analysis are essential components of the course. Students are expected to learn some material independently. Basic algebraic calculations, dimensional analysis and scientific notation skills to help solve problems will be required. There will be a summer reading with an associated written assignment that will be turned in at the beginning of the school year. All students must take the Advanced Placement Environmental Science Examination in the spring. This is a year-long course and may not be dropped at the end of first semester.

AP Physics **Full Year** **1 credit**
This course is designed to be the equivalent of a college freshman, calculus based course in Mechanics. Topics to be studied through lecture, demonstration, and experimentation include: kinematics, dynamics, energy and its conservation, linear and angular momentum, conservation of momentum, universal gravitation, satellite motion, and rotational dynamics. This is a lab intensive course in which students are expected to learn some material independently. Students are required to do reading and preparation over the summer preceding the course, including *Seven Brief Lessons on Physics* by Carlo Rovelli. Students take the AP Physics C examination in May This is a year-long course and may not be dropped at the end of first semester.

WORLD LANGUAGES AND CULTURES

Level 1 **Full Year** **1 credit**
These courses enable the students to communicate in the target language in simple, everyday conversations. Students learn basic vocabulary and phonetics, are introduced to the fundamentals of grammar, gain cultural awareness, and begin to read and write in the target language.
Level 1 courses offered: Spanish I; French I;

Level 2 **Full Year** **1 credit**
These courses build on the skills acquired in Level I. Conversations, reading selections, and writing assignments become more complex as students expand their vocabularies and use increasingly difficult grammatical structures. Aspects of contemporary culture are presented through different types of reading and listening material such as newspaper articles, poems, short stories, songs and cultural videos.
Level 2 courses offered: Spanish II; French II;

Level 3 **Full Year** **1 credit**
These intermediate classes are designed to prepare students to achieve communicative competence in the language. Courses aim to inspire students to innovate and to understand new trends as well as to deepen understanding of the target culture. Through the use of leading-edge technology and authentic media, students will have opportunities to analyze and reflect on the many products and practices of the countries where their language is spoken. Students are fully immersed in the language by using vocabulary and grammar as tools for effective communication and by emphasizing culture as integral to successful language acquisition. Students will read and analyze poems, short stories, and essays, and they will view films and listen to authentic audios on subjects such as immigration and the role of media in students' lives.
Level 3 courses offered courses offered: Spanish III; French III;

French IV **Full Year** **1 credit**
In this course students will further develop their ability to voice opinions, make cultural comparisons, and

creatively express themselves in French. Students will have plenty of opportunities to review and strengthen their French language skills, including all verb tenses, while also focusing on building a solid vocabulary, including some slang and conversational expressions. Students will read/view and discuss a variety of Francophone works, including short stories from *Petit Nicolas*, the novel *Le Petit Prince¸* the film *La Gloire de Mon Père*, cultural and news articles, short stories, poems, and music. Allons-y! This is a year-long course and may not be dropped at the end of the first semester.

French IV Honors **Full Year** **1 credit**
In this course, the focus is on oral communication, allowing students to further develop their ability to voice opinions, make cultural comparisons, and creatively express themselves in French. Students are given plenty of opportunities to improve their skills in reading, writing, listening, and speaking. We will review and study grammatical structures in depth, while we build a rich and active vocabulary, including some contemporary slang and conversational expressions. Students will read/view and discuss a variety of Francophone arts, literature, and culture: we will explore the novel *Le Petit Prince*, the literary movement of *Négritude* and the film *La Rue Cases-Nègres*, women's roles via the film *Parlez-moi de la Pluie*, as well as other articles, short stories, poems, and music. Allons-y! This is a year-long course and may not be dropped at the end of the first semester.

French V: The French Woman through the Ages and in the Contemporary World **Full Year** **1 credit**
This course will explore the representation of women in France throughout the ages along with her role in the contemporary world. This level 5 class is a comprehensive course that will help students strengthen all four skill areas through the context of an in-depth view of famous and memorable French women, along with their fictional counterparts. Students will learn about the women who made their mark in film, art, music, dance, opera, literature, philosophy and science. The woman seen as both subject and creator of art will also be explored in the context of major moments in French History. Readings, films, and songs will give students ample opportunity to gain a deeper understanding of these periods. This is a year-long course and may not be dropped at the end of the semester.

A**P French Language and Culture** **Full Year** **1 credit**
This AP French Language and Culture course is intended for students who have successfully completed four years of French study and demonstrated the enthusiasm and aptitude necessary for a college-level course. These students have demonstrated significant competence in the interpersonal, interpretive and presentational modes of communication. This course will be structured around six themes: Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities, and Beauty and Aesthetics. Students will further develop their cultural knowledge of the Francophone World and sharpen their critical thinking skills as they are called upon to make connections between their own culture and that of *La Francophonie*. French will be the exclusive language used in the classroom by both teacher and students. Students in this course are required to take the Advanced Placement exam at the end of the year. This is a year-long course and may not be dropped at the end of the semester. **Required Summer Assignment.**

Spanish IV **Full Year** **1 credit**
This intermediate level Spanish course places an emphasis on the relevance of Spanish in real-life situations. Grammar concepts taught in levels 1-3 are reviewed and advanced grammar topics are presented. By the end of this course, students will have been introduced to most tenses and topics in Spanish grammar. Grammar and culture are presented and practiced through a variety of methods that incorporate reading, writing, listening and speaking. Students will gain insight into the Hispanic culture by watching films, reading short stories, listening to music, and discussing current events. Themes targeted include immigration, the environment, technology and Mexican muralism.

Spanish IV Honors **Full Year** **1 credit**
This pre-AP course is designed to interest and challenge intermediate-advanced Spanish students who wish to develop a greater degree of proficiency in the language. Students increase their ability to spontaneously voice opinions, make cultural comparisons and creatively express themselves in Spanish. The basic elements of grammar are reviewed, refined and practiced as students explore the Hispanic world in a more profound way. Cultural topics could include the study of Spanish artists such as Velázquez and Picasso, short stories by Latin American authors García Márquez and Monterroso, the Spanish Civil war, the environment and the role of Hispanic women

throughout the 20th century. The course is discussion-based and conversation will derive from the context of films, chapter themes, and literary or musical works studied. The course is conducted completely in the target language and students are expected to take a very active role in their learning process.
Required Summer Assignment.

Spanish V **Full Year** **1 credit**
This course is designed to further students' progress in the development of the four language skills, while deepening their insight into Hispanic culture through exposure to readings by modern writers of the spanish-speaking world. Students will explore concepts related to family and communities, personal and public identities, beauty and aesthetics, science and technology, contemporary life, and global challenges. In addition, the important concepts of Spanish grammar are reviewed, including the subjunctive, pronouns, commands, and "si" clauses. Students will be assessed using a variety of methods including oral/aural assignments, presentations, dialogues, short compositions, and other displays. Students are expected to participate using the target language.

AP Spanish Language **Full Year** **1 credit**
The AP Spanish Language program is intended for qualified students who are interested in completing studies comparable in content and in difficulty to a full-year course in Advanced Spanish Composition and Conversation at the third-year college level. It is intended to develop proficiency in Spanish without emphasis on knowledge of literature. Students in this class should already have a good command of grammar and considerable competence in listening, reading, speaking, and writing. This course seeks to develop useful language skills that can be applied to various activities and disciplines. Equal emphasis is placed on written expression, oral expression, listening comprehension, reading comprehension, and grammar. Students are required to take the Advanced Placement exam at the end of the year. This is a year-long course and may not be dropped at the end of the first semester.