



2023-2024

Curriculum Guide



Riviera Preparatory School



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MISSION

Riviera Schools strives to challenge, support, and inspire each student to achieve personal success, act with integrity, and serve others.





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Introduction

This Curriculum Guide provides an overview of the courses of study available to Riviera Preparatory School students for the upcoming year. Scheduled courses are dependent upon student interests and needs and qualified instructor availability. The course requirements assure student preparation for college entrance and a strong foundation for post secondary study.

All students are encouraged to challenge themselves with the most rigorous curriculum for which they are suited. Colleges and universities gauge admissions decisions upon a number of factors, including demonstrated success in honors, advanced placement, and dual enrollment courses.

Riviera Preparatory School offers courses at College Preparatory (CP), Honors (H), and Advanced Placement (AP) levels. Most courses taken at the sixth through eighth grade middle school level (MS) are not documented in the high school transcript submitted with college applications. Certain courses offered in eighth grade may be included in the high school transcript.

Advanced Placement (AP)

Successful completion of Advanced Placement exams may earn students college credit. Each postsecondary institution determines its standards for awarding credit. Students who take AP courses are expected to take the AP examinations. Examination fees are required. The succinct descriptions of AP courses in this Curriculum Guide are gleaned from the College Board online course descriptions.*

Dual Enrollment (DE)

Beginning in the summer following ninth grade, exceptionally able students may earn credit for successful completion of Dual Enrollment courses at Miami Dade College (MDC) or Florida International University (FIU). All DE courses must be approved in advance by Riviera Preparatory School counselors; DE course credit will not be awarded for courses offered at Riviera. All credits automatically transfer to colleges and universities in the State of Florida University System. They also transfer to many colleges and universities throughout the nation with articulation agreements with MDC or FIU. All grades earned for DE courses are automatically and permanently calculated in college GPAs. Courses are listed on Riviera transcript but not calculated in GPA.

Transfer Students

Courses and credits earned at another accredited school by students who transfer to Riviera are not reflected on the Riviera Preparatory School transcript. The sending school's transcript must be submitted with the Riviera transcript for college application purposes. Cumulative grade point averages on the transcript reflect courses taken at Riviera Preparatory School. For students who transfer after the end of the first quarter, calculation of final grades for the courses reflects the first quarter from the previous school and the subsequent grades from Riviera. Students who transfer after the end of the first semester will receive half-credit for the first semester on the previous school transcript and half-credit for the second semester on Riviera's transcript. The half-credit cumulative GPA from the previous school will not be incorporated in Riviera's transcript. Students who transfer after the end of the third quarter will receive half-credit for the first semester on the previous school transcript. Calculation of second semester half-credit grade will reflect the third quarter from the previous school and the subsequent fourth quarter and exam grades from Riviera.



Explanation of Course Descriptions

Course Title

Course Level

Typical Grade Level

ALGEBRA 1 Honors (8-9)

Algebra 1 Honors challenges advanced students as they make the transition from the concrete to the abstract study of mathematics. The course expands students' understanding of real numbers as they compare expressions and perform arithmetic computations involving square roots and exponents. The students master skills in writing, solving, and graphing linear equations and inequalities and systems of linear equations and inequalities. The course emphasizes and expands on the complexity of the skills related to polynomials and factoring; radicals and radical expressions; quadratic equations and functions; exponential functions; and absolute value equations and inequalities. Data analysis and probability are incorporated in the application of algebraic concepts in real-world situations.

*Prerequisite: grade of B or higher in Pre-Algebra Honors or grade of A- or higher in Pre-Algebra; teacher recommendation
Full year; 1 credit*

Prerequisites: Having pre-requisite courses and grades does not guarantee eligibility.

Duration of course and credit earned

Placement in specific courses is made in consultation with teachers, counselor, and parents.



Calculation of Grade Point Average (GPA)

Unweighted GPA calculations are based on a 4.00 scale.

Weighted GPA is calculated after adding bonus points for Honors and Advanced Placement courses. GPA calculations include academic courses. Courses not included in GPA calculations are noted in course descriptions.

College Preparatory (CP) courses are calculated on the 4.00 scale.

Honors Level (H) courses earn 1 bonus point for grades of A+ through C-.

Advanced Placement (AP) courses earn 2 bonus points for grades of A+ through C-.

Grading Scale

| Letter | Numeric | CP | H | AP |
|--------|----------|------|------|------|
| A+ | 97-100 | 4.33 | 5.33 | 6.33 |
| A | 93-96 | 4.00 | 5.00 | 6.00 |
| A- | 90-92 | 3.67 | 4.67 | 5.67 |
| B+ | 87-89 | 3.33 | 4.33 | 5.33 |
| B | 83-86 | 3.00 | 4.00 | 5.00 |
| B- | 80-82 | 2.67 | 3.67 | 4.67 |
| C+ | 77-79 | 2.33 | 3.33 | 4.33 |
| C | 73-76 | 2.00 | 3.00 | 4.00 |
| C- | 70-72 | 1.67 | 2.67 | 3.67 |
| D+ | 67-69 | 1.33 | 1.33 | 1.33 |
| D | 63-66 | 1.00 | 1.00 | 1.00 |
| D- | 60-62 | 0.67 | 0.67 | 0.67 |
| F | Below 60 | 0.00 | 0.00 | 0.00 |

Honor Roll

Students attaining exceptional achievement in their classes receive special recognition quarterly as members of the Honor Roll. The requirements for the Honor Roll are as follows:

Gold Scholar: Minimum 95 average with no grades lower than A; 1s in effort, and Es in conduct

Silver Scholar: Minimum 93 average with no grades lower than B; 1s in effort, and Es in conduct



Calculation of Annual Core High School Course Grades for Transcript

| Q1 | Q2 | Q3 | Q4 | FINAL EXAM |
|-------|-------|-------|-------|------------|
| 21.5% | 21.5% | 21.5% | 21.5% | 14% |

Calculation of Semester Core High School Course Grades for Transcript

| Q1 | Q2 | Exam |
|-----|-----|------|
| 43% | 43% | 14% |

Calculation of Annual Middle School Core Course Grades for Transcript

| SEMESTER ONE | | | SEMESTER TWO | | |
|-----------------------|-----|------|-----------------------|-----|------|
| Q1 | Q2 | Exam | Q3 | Q4 | Exam |
| 43% | 43% | 14% | 43% | 43% | 14% |
| 100% = Semester Grade | | | 100% = Semester Grade | | |
| 50% of Annual Grade | | | 50% of Annual Grade | | |

Calculation of Annual Non-Core Course Grades for Transcript

| Semester One | | Semester Two | |
|-----------------------|-----|-----------------------|-----|
| Q1 | Q2 | Q3 | Q4 |
| 50% | 50% | 50% | 50% |
| 100% = Semester Grade | | 100% = Semester Grade | |
| 50% of Annual Grade | | 50% of Annual Grade | |

Calculation of Semester Non-Core Course Grades for Transcript

| Q1 | Q2 |
|-----|-----|
| 50% | 50% |

Full year course = 1.0 credit

Semester course = 0.5 credit



Middle School Course Requirements

| Core Middle School Course Requirements | | Other Middle School Course Requirements | |
|--|-----------------------------|--|-------------|
| Language Arts | 3.0 credits (1 per year) | Physical Education (6,7) | 2.0 credits |
| Mathematics | 3.0 credits (1 per year) | Fine Arts, Performing Arts or World Language (6) | 1.0 credit |
| Science | 3.0 credits (1 per year) | World Language (8) | 1.0 credit |
| Social Science | 3.0 credits (1 per year) | Study Skills (6) | 0.5 credit |
| | | Computer Applications (7) | 0.5 credit |
| | | Writing Workshop 1 (6), 2 (7), and 3/4 (8) | 2.0 credits |
| | | Electives | 2.0 credits |
| Sub-Total | 12 | Sub-Total | 9 |

Credits required: 21

High School Course and Graduation Requirements

A minimum of a 2.0 Unweighted Grade Point Average (UGPA) is required for High School Graduation.

| Core High School Course Requirements | | Other High School Course Requirements | |
|--|-----------------------------|---------------------------------------|-------------|
| Language Arts | 4.0 credits (1 per year) | Physical Education | 0.5 credit |
| Mathematics All credits must be Algebra 1 or higher | 4.0 credits (1 per year) | Health Information Project (HIP) | 0.5 credit |
| Science Must include Biology, Chemistry, and Physics | 4.0 credits (1 per year) | Critical Thinking: SAT/ACT Prep (11) | 1.0 credit |
| Social Science Must include World History, United States History, and U.S. Government/Economics | 4.0 credits (1 per year) | Fine Arts Elective | 1.0 credit |
| World Language Must include two sequential years of the same language | 2.0 credits | Other Electives | 7.0 credits |
| Sub-Total | 18 | Sub-Total | 10 |

Credits required for graduation: 7 per year; minimum of 24 to graduate



LANGUAGE ARTS

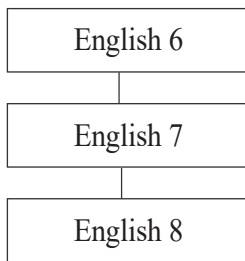
The Language Arts Department, with vertical teaming and collaboration in grades 6 through 12, develops critical thinkers, perceptive readers, eloquent writers, and articulate speakers. Classes engage students in discovery and understanding of both rhetorical structures and thematic connections in literature reflective of a variety of cultures, time periods, and genres. In addition, students use content knowledge, personal experiences, and creative ingenuity to develop written communication skills to address a variety of audiences and purposes. Each year, students demonstrate greater sophistication and proficiency in narrative, descriptive, informational, persuasive, reflective, analytical, and research-based composition. In preparation for college readiness, students simultaneously build a broad range of reading strategies, expand vocabulary, gain mastery of standard written English and grammar, and develop effective listening and speaking skills.



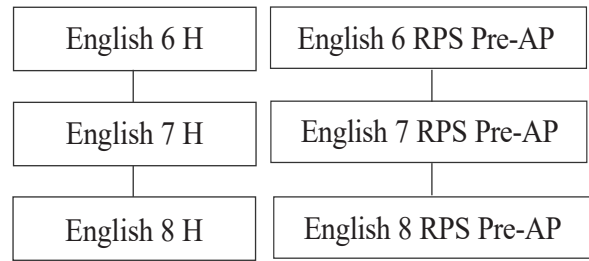
LANGUAGE ARTS

MIDDLE SCHOOL

COLLEGE PREP TRACK

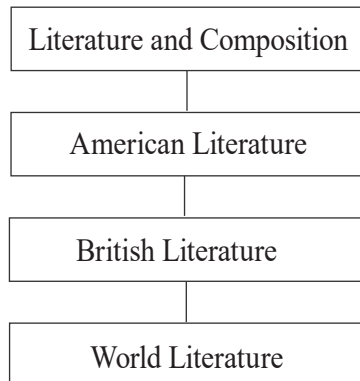


HONORS AND RPS PRE-AP TRACK

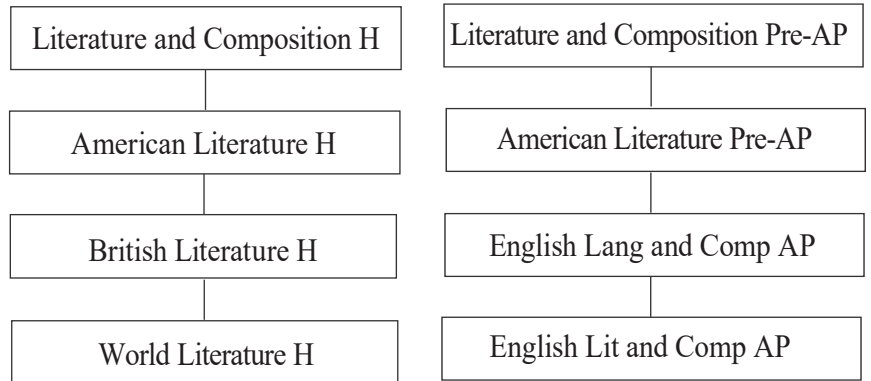


HIGH SCHOOL

COLLEGE PREP TRACK



HONORS, PRE-AP, AND AP TRACK



Sequence of course offerings may vary. If appropriate, students may switch between College Prep Track and Honors/Pre-AP/AP Track from year to year.

ENGLISH 6 (6)

English 6 introduces fundamental concepts in language arts in preparation for college readiness. Instruction in both classic and modern literature, on or above the sixth grade reading level, incorporates active reading strategies, written and oral evaluations, and higher order thinking skills. Sixth grade curriculum focuses primarily on the rhetorical strategies inherent in non-fiction, short fiction, and drama. A recursive writing process develops the students' procedural, descriptive and persuasive writing skills. Standard written English patterns are reinforced through text based and editing activities. Vocabulary development is extensive and continuous, drawing from readings, discussion, listening, and formal word study. Topics and themes are drawn from literary works found in the textbook and supplemented with additional literature and media resources.

Full year; 1 MS credit

ENGLISH 6 Honors (6)

English 6 Honors incorporates a higher volume of work to introduces fundamental concepts in language arts for college readiness at an accelerated pace. Instruction in both classic and modern literature, on or above the sixth grade level, incorporates active reading strategies, written and oral evaluations, and higher order thinking skills. At an accelerated pace, the sixth grade curriculum focuses primarily on the rhetorical strategies inherent in non-fiction, short fiction and drama. A recursive writing process develops the students' procedural, descriptive, and persuasive writing skills. Standard written English patterns are reinforced through text based and editing activities. Vocabulary development is extensive and continuous, drawing from readings, discussion, listening and formal word study. Topics and themes are drawn from literary works found in the textbook and supplemented with additional literature and media resources. This course builds a foundation for critical thinking, synthesis, and evaluation skills in preparation for honors and advanced placement courses in high school

Prerequisite: language arts placement exam; teacher recommendation

Full year; 1 MS credit

ENGLISH 6 RPS Pre-AP (6)

English 6 RPS Pre-AP presents a rigorous survey of classic and contemporary literature above the sixth grade reading level in preparation for success in advanced placement courses in high school. Students in the course will conduct annotations and in-depth analyses of works from the seventh grade textbook, along with several longer texts and other multimedia resources. Close reading activities and challenging projects will develop students' higher order thinking skills. A recursive writing process is taught to develop the students' procedural, descriptive, informative, comparative and persuasive writing skills. Vocabulary development is extensive and continuous, drawing from readings and formal word study. Oral communication skills are refined through class presentations, collaborative activities and formal discussions. This course requires sophisticated critical thinking, as well as excellent time management and organization skills. Furthermore, students also must understand that this course is significantly more challenging than the college preparatory and honors options.

Prerequisite: language arts placement exam; teacher recommendation

Full year; 1 MS credit



ENGLISH 7 (7)

English 7 presents a survey of works representing the major periods, schools and traditions in literature. Selections from the seventh grade text are supplemented with longer works from both classic and contemporary literature. Students read additional works of literature independently and submit a variety of reports on their progress. Active reading strategies, annotation, and writing develop higher order critical thinking skills. Procedural, descriptive and informative writing modes introduced in sixth grade are enhanced; in addition, the clear organization and structure for persuasive and comparison/contrast essays is introduced. Vocabulary development is extensive and continuous, drawing from readings, discussion, listening, and formal word study. Oral communication skills are refined through class presentations and projects.

Full year; 1 MS credit

ENGLISH 7 Honors (7)

English 7 Honors presents a survey of works, representing the major periods, schools, and traditions in literature. At an accelerated pace, the course offers selections from the seventh grade text supplemented with longer works from both classic and contemporary literature. Active reading strategies, annotation, and writing develop higher order critical thinking skills. Procedural, descriptive, and informative writing modes introduced in sixth grade are enhanced; in addition, the clear organization and structure for persuasive and comparison/contrast essays are introduced. Vocabulary development is extensive and continuous, drawing from readings, discussion, listening and formal word study. Oral communication skills are refined through class presentations and projects. This course requires sophisticated critical thinking, discourse analysis, synthesis and evaluation skills in preparation for honors and advanced placement courses in high school. This course builds upon students' critical thinking, synthesis, and evaluation skills in preparation for honors and advanced placement courses in high school.

Prerequisite: grade of B or higher in prior English Honors class or a grade of A- or higher in prior English CP class; teacher recommendation
Full year; 1 MS credit

ENGLISH 7 RPS Pre-AP (7)

English 7 RPS Pre-AP presents a rigorous survey of classic and contemporary literature above the seventh grade reading level in preparation for success in advanced placement courses in high school. Students in the course will conduct annotations and in-depth analyses of works from the eighth grade textbook, along with several longer texts and other multimedia resources. A special focus is placed on discovering thematic development and rhetorical devices and patterns in literature. Close reading activities and challenging projects will develop students' higher order thinking skills. A recursive writing process is taught to develop the students' procedural, descriptive, informative, comparative, and persuasive writing skills. Vocabulary development is extensive and continuous, drawing from readings and formal word study. Oral communication skills are refined through class presentations, collaborative activities, and formal discussions. This course requires sophisticated critical thinking, as well as excellent time management and organization skills. Furthermore, students must understand that this course is significantly more challenging than the college preparatory and honors options.

Prerequisite: grade of B or higher in prior English 6 RPS Pre-AP class or A- or higher in prior English Honors class; teacher recommendation
Full year; 1 MS credit



ENGLISH 8 (8)

English 8 students read a wide array of literature that will expose them to various places, times, cultures, and characters throughout different genres. Students recognize common elements and themes that weave through these works. They use their abilities to synthesize, analyze, and make connections through class discussions, oral presentations, projects, and written assignments. The study of vocabulary incorporates words in context in literature and developmental workbooks. All modes of writing are enriched to expand upon the structures presented in grades six and seven.

Full year; 1 MS credit

ENGLISH 8 Honors (8)

English 8 Honors students move at an accelerated pace as they read literature representative of a wide array of cultures and genres. Selections from the 8th grade textbook are supplemented with works relevant to the focus for each quarter. Students recognize themes, vocabulary differences and commonalities, and rhetorical devices and patterns among works of literature. Students read critically and demonstrate literary analysis through class discussions, oral presentations, projects, and written assignments. The study of vocabulary incorporates words in context in literature and developmental workbooks. All modes of writing expand upon the structures presented in grades six and seven. This course requires sophisticated critical thinking, discourse analysis, synthesis, and evaluation skills in preparation for honors and advanced placement courses in high school.

Prerequisite: grade of B or higher in prior English Honors class or a grade of A- or higher in prior English CP class; teacher recommendation

Full year; 1 MS credit

ENGLISH 8 RPS Pre-AP (8)

English 8 RPS Pre-AP presents a rigorous survey of multicultural literature above the eighth grade reading level in preparation for success in advanced placement courses in high school. Students in the course will conduct annotations and in-depth analyses of works from selected readings at the ninth grade level, as well as other multimedia resources. A special focus is placed on analysis of how point of view and cultural context influence rhetorical style and thematic development. Close reading activities and focused projects will develop students' higher order thinking skills. Due to the intensive nature of the course, students will be provided with frequent opportunities to continue building upon their multi-genre writing capacities. In addition, in preparation for high school, students will study complex syntax and compose longer, more sophisticated writing projects. Vocabulary development is extensive and continuous, drawing from readings and formal word study. Oral communication skills are refined through class presentations, collaborative activities, and formal discussions. This course requires sophisticated critical thinking and excellent time management and organizational skills. Furthermore, students must understand that this course is significantly more challenging than the college preparatory and honors options.

Prerequisite: grade of B or higher in prior English Pre-AP class or A- or higher in prior English Honors class; teacher recommendation

Full year; 1 MS credit

LITERATURE AND COMPOSITION (9)

Literature and Composition students engage in a survey of selected works spanning major periods and genres literature. As students enhance the sophistication of their reading and writing skills, they explore numerous novels and memoirs in addition to particular pieces from the textbook. While applying critical reading and analysis of literature, students discover the continuity of themes from diverse times and cultures. Further reading in content areas strengthens students' abilities to apply critical thinking skills in all disciplines. Instructional activities also focus upon expanding vocabulary in context and thematically as well as writing with a specific purpose and audience in mind. Active revision and refinement of both oral and written communication enables students to grow in the clarity and complexity with which they convey their understanding of others' and their own writing.

Full year; 1 credit



LITERATURE AND COMPOSITION Honors (9)

Literature and Composition Honors challenges students with above-average ability and motivation in the study of language and literature. Students gain experience in reading, writing, speaking, and critical thinking while studying a range of literary genres representative of our multicultural literary heritage. Particular attention is placed on close analysis of chosen texts by deconstructing the pieces for tone and meaning. Student writing focuses primarily on persuasion and literary analysis. An introduction to the study of literary criticism and the in-depth study of rhetorical devices prepare students for further honors and Advanced Placement coursework. Development of more advanced vocabulary is incorporated both formally and informally as students broaden their skills in precise and forceful communication.

*Prerequisite: grade of B or higher in prior English Honors class or a grade of A- or higher in prior English CP class; teacher recommendation
Full year, 1 credit*

LITERATURE AND COMPOSITION Pre-AP (9)

Literature and Composition Pre-AP focuses on reading, writing, and language skills designed to assist students with coursework that is above ninth grade level, thus ensuring success in future high school and college courses. The areas of study are aligned to high school and college English courses. Students on this track focus on the small details of a text using critical thinking and analytical writing strategies in order to arrive at a deeper understanding of the whole. Students also learn how to create and write complex sentences as a foundational skill for writing longer and more sophisticated analyses. A range of complex literary and informational texts give Pre-AP students the ability to prioritize and strengthen key literacy skills by evaluating text evidence and incorporating it in an effective manner through their writing and speaking. Additionally, students develop and understand how the use of specific words and phrases move the thoughts, emotions, and actions of both readers and listeners. Throughout the Pre-AP Literature and Composition course, substantial ideas are integrated across all units by engaging and constructing texts, while focusing on language, investigating through research, and having in-depth discussions with all learners.

*Prerequisite: grade of B or higher in prior English Pre-AP class or A- or higher in prior English Honors class; teacher recommendation
Full year; 1 credit*

AMERICAN LITERATURE (10)

American Literature presents a survey of selected American authors representing the major periods, schools, and traditions in American literary history. Texts span the pre-colonial eras to our contemporary era and include multiple genres (fiction, nonfiction, poetry, drama). Attention to historical/cultural contexts of the literary periods enhances the students' understanding of context within the literature and the authors' experiences. Students gain experience in reading, writing, speaking, and critical thinking while studying a range of literary works representative of our multicultural society. Students interpret literary works within their historical contexts, responding via formal and informal speaking and writing. Students conduct literary analysis and interpretation and demonstrate understanding through expository, persuasive, and cause and effect essay formats. The historical, cultural, and literary development as reflected in the changing American Literature is examined through technology, speaking, listening, and viewing. Vocabulary development is structured and integrated into the course.

Full year; 1 credit



AMERICAN LITERATURE Honors (10)

American Literature Honors challenges students with above-average ability and motivation in the study of language and literature. Texts span the pre-colonial eras to our contemporary era and include multiple genres such as fiction, nonfiction, poetry, and drama of that period. Attention to historical/cultural contexts of the literary periods enhances the students' understanding of context within the literature and the authors' experiences. Students gain experience in reading, writing, speaking, and critical thinking while studying a range of literary works representative of our multicultural society. Students interpret literary works within their historical contexts, responding via formal and informal speaking and writing. Active reading strategies, writing, and higher order/critical thinking skills are used to establish and evaluate abstract thinking. The historical, cultural, and literary development as reflected in the changing American Literature is examined through technology, speaking, listening, and viewing skills, including interpretation and analysis of several classic American novels. Student writing focuses primarily on persuasive and literary analysis pieces. An introduction to the study of literary criticism and the in-depth study of rhetorical devices prepare students for further honors and Advanced Placement coursework. Vocabulary development is structured and integrated into the course.

*Prerequisite: grade of B or higher in prior English Honors class or a grade of A- or higher in prior English CP class; teacher recommendation
Full year; 1 credit*

AMERICAN LITERATURE Pre-AP (10)

American Literature Pre-AP will be offered beginning in 2024-2025.

American Literature Pre-AP students continue to build upon the foundation of Literature and Composition Pre-AP. This course centers around engaging and constructing texts, focusing on language in different forms of writing and conversations, and investigating through research. Students apply skills to a new array of American nonfiction and literary texts. This course gives students the opportunity to strengthen their literacy skills by teaching them the skills needed to analyze a variety of literary and informational texts, to evaluate text evidence while incorporating it into their writing and speaking, and also to understand how writers use specific words throughout sentences in order to be able to move the thoughts, emotions, and actions of readers.

*Prerequisite: grade of B or higher in prior English Pre-AP class or A- or higher in prior English Honors class; teacher recommendation
Full year; 1 credit*

BRITISH LITERATURE (11)

British Literature presents students with a selection of British literature from *Beowulf* to the Modern periods. Students examine the ideas of responsibility, vanity, ambition, and survival as they examine prose, drama, and poetic genres. This thematic approach enhances students' appreciation and understanding of language and vocabulary. Students demonstrate knowledge through expository and persuasive essays, informal writings, projects, and technology-assisted oral presentations. Critical reading strategies facilitate literary analysis and prepare students for college entrance exams. Annotation and modeling of critically acclaimed works helps students gain confidence, maturity, and sophistication in their written communication.

Full year; 1 credit



BRITISH LITERATURE Honors (11)

British Literature Honors challenges students with above-average ability and motivation in the study of literature. Themes such as responsibility, vanity, ambition and survival are examined as students read a variety of selections from *Beowulf* to the Modern periods. Thorough analysis of prose, drama, and poetic genres enhances students' appreciation and understanding of language, rhetorical strategies, and specificity in word choice. Students demonstrate knowledge through expository and persuasive essays, informal writings, projects, and technology-assisted oral presentations. Critical reading strategies facilitate literary analysis and prepare students for college entrance exams. Annotation and modeling of critically acclaimed works helps students gain confidence, maturity, and sophistication in their written communication. Students who successfully complete this course should have the skills to engage in honors and Advanced Placement coursework.

Prerequisite: grade of B or higher in prior English Honors class or a grade of A- or higher in prior English CP class; teacher recommendation
Full year; 1 credit

WORLD LITERATURE (12)

World Literature focuses primarily on analysis of novels, short stories, plays, poetry, and essays from diverse nationalities and cultures. Through directed readings and discussion, students broaden their understanding of world views and recognize universal concerns and challenges. Student writings center on analysis of both fiction and non-fiction literature. Students examine each author's choice of rhetorical strategies, syntax, diction, and literary devices used to engage the audience and achieve the intended purpose. Student essays must reflect this understanding and adhere to common standards of written English.

Full year; 1 credit

WORLD LITERATURE Honors (12)

World Literature Honors requires mature, sophisticated, and insightful reading and writing skills. Through directed readings and discussion, students broaden their understanding of world views and recognize universal concerns and challenges. The number of works and level of difficulty reflect the honors student's facility with diverse texts and interest in language. Students engage in more independent writings which center on analysis of both fiction and non-fiction literature. Students are expected to model respected authors' rhetorical strategies, syntax, diction, and use of literary devices as they improve their own ability to engage their audience and achieve their purpose. Student essays must reflect forceful and sophisticated argumentation while adhering to common standards of written English.

Prerequisite: grade of B or higher in prior English Honors class or a grade of A- or higher in prior English CP class; teacher recommendation
Full year; 1 credit

ENGLISH LANGUAGE AND COMPOSITION AP* (11-12)

English Language and Composition AP meets the guidelines of the College Board, which certifies and approves the syllabus for this freshman level college composition course. The course enables students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate effectively with mature readers. Focus on content, purpose, and audience guides the organization of student compositions. As the students write in both informal and formal styles, they become increasingly aware of themselves as writers, techniques employed by the authors they read, and stylistic effects achieved by writers' linguistic choices. Since imaginative literature often highlights such stylistic decisions, study of fiction and non-fiction aids students in understanding rhetorical and linguistic choices.

Prerequisite: grade of B or higher in prior English AP class or a grade of A- or higher in prior English Honors class; teacher recommendation
Full year; 1 credit

ENGLISH LITERATURE AND COMPOSITION AP* (12)

English Literature and Composition AP engages students in the careful reading and critical analysis of fiction. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes, as well as elements of figurative language, imagery, symbolism, and tone. Reading in this AP course builds upon and complements the reading done in previous English courses so that by the time students complete their AP course load, they will have read works from several genres and periods including the 16th to the 21st century. In the course, students read deliberately and thoroughly, taking time to understand a work's complexity, to absorb its richness of meaning, and to analyze how that meaning is embodied in literary form. Careful attention to both textual detail and historical context provides a foundation for interpretation, whatever critical perspectives are brought to bear on the literary works studied.

*Prerequisite: grade of B or higher in prior English AP class or a grade of A- or higher in prior English Honors class; teacher recommendation
Full year; 1 credit*

SEMINAR AP (10-11)**

Seminar AP is an interdisciplinary course that encourages students to demonstrate critical thinking, collaboration, and academic research skills on topics of the student's choosing. Students will synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and written presentations, both individually and as a part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidenced-based arguments.

*Does not fulfill the Language Arts graduation requirement
Prerequisite: grade of A- or higher in prior English Honors class; teacher recommendation
Full year; 1 credit*

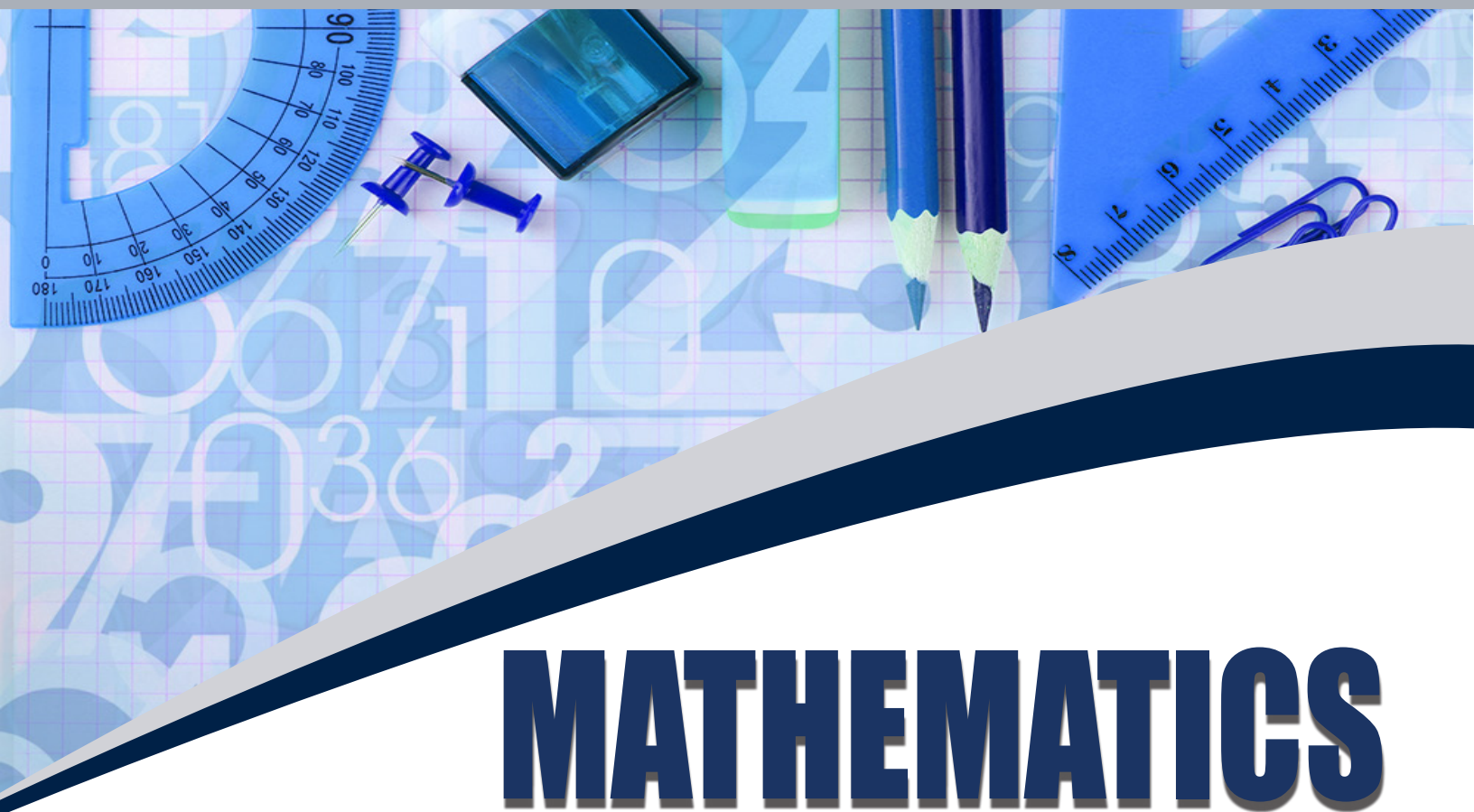
RESEARCH AP (11-12)**

In Research AP, students cultivate the skills and discipline necessary to conduct independent research in order to produce and defend a scholarly academic thesis. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000–5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense.

*Does not fulfill the Language Arts graduation requirement
Prerequisite: grade of B or higher in Seminar AP and minimum score of 3 or higher in Seminar AP exam; teacher recommendation
Full year; 1 credit*

**AP Seminar and AP Research are part of the AP Capstone program, a unique program that allows students who successfully complete both courses to earn an AP Capstone Diploma or AP Seminar and Research Certificate from the College Board.





MATHEMATICS

The mathematics curriculum at Riviera Preparatory is designed to reflect the cumulative nature of mathematics and the connections between arithmetic, number systems, probability, algebra, geometry and measurement, statistics, and calculus. Mathematics courses offer the opportunity for students of all levels to improve their higher order thinking skills and to develop a sound foundation and understanding of basic mathematical principles and more complicated concepts and models.

Course sequences are designed for a smooth transition between the different areas of mathematics in order for each student to develop a better understanding of the relationship among these areas. Students learn to use correct mathematical terminology to demonstrate logical problem-solving procedures. Graphing calculators and statistical software enhance instructional tools as students advance their understanding of mathematics and statistics. These skills serve to develop each student's ability to create and use mathematical models in real-world applications in both mathematics and applied sciences.

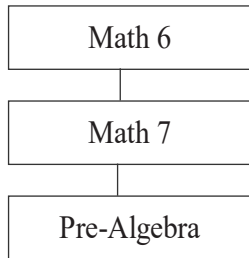
Placement in a particular mathematics course is directly linked to the level of abstraction suitable for the student.



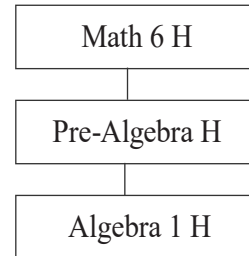
MATHEMATICS

MIDDLE SCHOOL

COLLEGE PREP TRACK

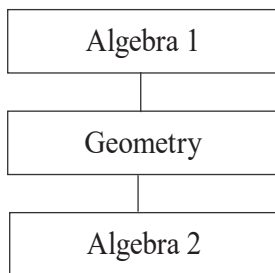


HONORS TRACK

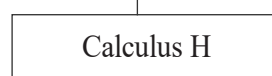
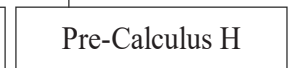
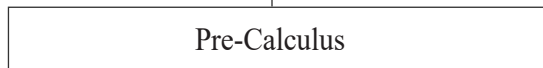
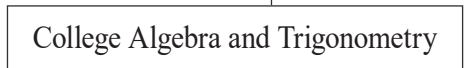
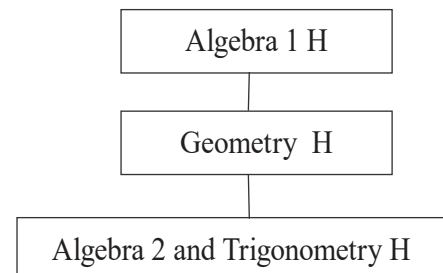


HIGH SCHOOL

COLLEGE PREP TRACK



HONORS AND AP TRACK



Sequence of course offerings may vary. If appropriate, students may switch between College Prep Track and Honors/AP Track from year to year.



MATH 6 (6)

Math 6 reinforces and strengthens mathematics concepts which are introduced in elementary school which are essential for advanced mathematics courses, college preparation, and real-world application. Topics include integers and rational numbers; algebraic expressions; equations and inequalities; the understanding and use of ratios, rates, and percents; collecting and displaying data; and measurement and geometry. The actual pace of the course may vary according to the class's progress.

Full year; 1 MS credit

MATH 6 Honors (6)

Math 6 Honors assumes mastery of operations with positive whole and rational numbers as a foundation for the Honors curriculum and pace. Students develop algebraic reasoning as they study proportional reasoning, properties of numbers, operations with integers and signed rational numbers, simplify algebraic expressions, and solve equations and inequalities. In addition, students receive instruction and demonstrate the ability to solve problems involving angle relationships and using formulas to calculate surface area and volume of three-dimensional figures. Basic statistics concepts are explored through the study of probability and analyzing data to make predictions and determine validity of conclusions.

*Prerequisites: math placement exam; teacher recommendation
Full year; 1 MS credit*

MATH 7 (7)

Math 7 reinforces previously mastered skills while incorporating operations involving negative numbers. It provides a solid conceptual base for the development of operations with integers and real numbers in subsequent math courses. Topics include algebraic reasoning; integers and rational numbers; applying rational numbers; proportional relationships; graphs; percents; collecting, displaying, and analyzing data; geometric figures; measurement and geometry; probability; multi-step equalities and inequalities.

Full year; 1 MS credit

PRE-ALGEBRA (8)

Pre-Algebra provides students with reinforcement of basic arithmetic concepts/terminology and transition to algebraic principles of high school level mathematics. Concepts necessary for success in higher level math include, but are not limited to, analyzing and solving linear equations and systems of equations; the use of functions; investigating bivariate data; congruency and similarity; understanding the Pythagorean theorem and surface area; factors, fractions, and exponents; and measurement and volume.

*Prerequisite: Math 6 Honors or Math 7
Full year; 1 MS credit*

PRE-ALGEBRA Honors (7)

Pre-Algebra Honors accelerates instruction for students who will be taking Algebra 1 Honors. Building on algebraic reasoning developed in Math 6 Honors, Pre-Algebra Honors students further their problem-solving skills by delving deeper into the study of real numbers, including the laws of exponents, scientific notation, and roots. Students apply these foundation skills as they receive instruction in and demonstrate the ability to solve problems involving linear relationships, functions, and geometric relationships including lines, polygons, transformations, congruence, and similarity. Additionally, statistical concepts such as lines of best fit, measures of variations, and data distribution are also covered as part of this course.

*Prerequisite: grade of B or higher in Math 6 Honors; teacher recommendation
Full year; 1 MS credit*



ALGEBRA 1 (9)

Algebra 1 is the foundation for high school mathematics courses. It is the bridge from the concrete to the abstract study of mathematics. The course expands students' understanding of real numbers as they compare expressions and perform arithmetic computations involving square roots and exponents. The students develop skills in writing, solving, and graphing linear equations and inequalities and systems of linear equations and inequalities. The topics will also include linear functions, polynomials, and factoring; radicals and radical expressions; quadratic equations and functions; and absolute value equations and inequalities.

*Prerequisite: Pre-Algebra
Full year; 1 credit*

ALGEBRA 1 Honors (8-9)

Algebra 1 Honors challenges advanced students as they make the transition from the concrete to the abstract study of mathematics. The course expands students' understanding of real numbers as they compare expressions and perform arithmetic computations involving square roots and exponents. The students master skills in writing, solving, and graphing linear equations and inequalities and systems of linear equations and inequalities. The course emphasizes and expands on the complexity of the skills related to polynomials and factoring; radicals and radical expressions; quadratic equations and functions; exponential functions; and absolute value equations and inequalities. Data analysis and probability are incorporated in the application of algebraic concepts in real-world situations.

*Prerequisite: grade of B or higher in Pre-Algebra Honors or grade of A- or higher in Pre-Algebra; teacher recommendation
Full year; 1 credit*

GEOMETRY (9-12)

Geometry presents students with concepts, definitions, properties, and applications of the course topics listed below. Students use various computational skills and strategies to solve mathematical problems and address real-world applications. Furthermore, they develop critical thinking and higher order thinking skills by connecting geometric and algebraic concepts to practical applications. Students are expected to work independently as well as part of a collaborative group. Topics include geometric reasoning and proofs; parallel and perpendicular lines; triangle congruence; properties and attributes of triangles, polygons, quadrilaterals, and circles; perimeter, area, surface area, and volume; and right triangles in conjunction with trigonometry.

Full year; 1 credit

GEOMETRY Honors (9-12)

Geometry Honors with accelerated pacing, presents concepts, definitions, properties, and applications of the course topics listed below. Students use various computational skills and strategies to solve mathematical problems and address real-world applications. Furthermore, they develop critical thinking and higher order thinking skills by connecting geometric and algebraic concepts to practical applications. Students are expected to work independently and as part of a collaborative group. Topics include geometric reasoning with emphasis on proofs; parallel and perpendicular lines; triangle congruence; properties and attributes of triangles, polygons, quadrilaterals, and circles; perimeter, area, surface area, and volume; and right triangles in conjunction with trigonometry.

*Prerequisite: grade of B or higher in Algebra 1 Honors or grade of A- or higher in Algebra 1; teacher recommendation
Full year; 1 credit*



ALGEBRA 2 (10-11)

Algebra 2 extends students' understanding of concepts, definitions, properties, and applications of the course topics listed below. Students continue to draw upon computational skills and strategies to solve mathematical problems and apply the principles in real-world situations. Students develop knowledge of polynomial functions and equations, nonlinear functions and equations, and methods for determining real and complex solutions. Topics include expressions, equations, and inequalities; functions and graphs; linear systems; quadratic functions and equations; relations; polynomials and functions; exponential and logarithmic functions; and rational functions.

Full year; 1 credit

ALGEBRA 2 AND TRIGONOMETRY Honors (10-11)

Algebra 2 and Trigonometry Honors expands on the topics introduced in Algebra 1 and Geometry and covers the more advanced topics of Algebra 2. This course provides students with an in-depth level of instruction and an accelerated pace of learning. The conceptual rigor of the program is designed to develop the students' problem solving and reasoning skills and mathematical ways of thinking. The course builds and expands students' skills of analyzing, interpreting, and transforming absolute value and quadratic, polynomial, radical, exponential, logarithmic, and rational functions. Enriched knowledge of advanced functions and the nature and methods of solutions lead students to facilitate the application of mathematical modeling to other content areas. Topics also include quadratic, polynomial, radical, rational, exponential, and logarithmic expressions and equations; systems of equations and inequalities; conic sections; and trigonometric identities.

Prerequisite: grade of B or higher in Algebra 1 Honors and Geometry Honors or grade of A- or higher in Algebra 1 and Geometry; teacher recommendation

Full year; 1 credit

COLLEGE ALGEBRA AND TRIGONOMETRY (11-12)

College Algebra and Trigonometry continues the primary concepts and skills begun in Algebra 1, Geometry, and Algebra 2 to further prepare students for college entrance exams and freshman level mathematics courses in college. Topics include, but are not limited to, set notation; logic; systems of numeration; number theory and real numbers; linear equations and inequalities; quadratic and exponential modeling; graph theory; and polynomial, rational, exponential, and logarithmic functions. Additionally, this course includes a geometric review of the essentials for trigonometry.

Prerequisite: Algebra 2; teacher recommendation

Full year; 1 credit

PRE-CALCULUS (11-12)

Pre-Calculus is designed to strengthen and further develop understanding of Algebra 2 concepts to prepare for the study of Calculus. Topics crucial to the understanding of Calculus concepts are reinforced, such as polynomial, rational, and exponential functions, as well as analytic trigonometry and geometry. In addition, this course introduces topics in discrete math.

Prerequisite: Algebra 2 and Trigonometry Honors, or grade of B or higher in Algebra 2; teacher recommendation

Full year; 1 credit



PRE-CALCULUS Honors (10-12)

Pre-Calculus Honors emphasizes the study of advanced algebraic and trigonometric skills necessary for the study of calculus. Topics include polynomial, rational, and exponential functions. Specific attention is given to an in-depth study of particular trigonometric skills, including graphing trigonometric functions, verifying trigonometric identities, and solving trigonometric equations.

*Prerequisite: grade of B or higher in Algebra 2 and Trigonometry Honors; teacher recommendation
Full year; 1 credit*

CALCULUS Honors (11-12)

Calculus Honors introduces advanced mathematics students to concepts they will address in college level mathematics. Topics include limits and continuity; differentiation and its applications, related rates, particle motion, integration, definite integrals, and area enclosed by graphs.

*Prerequisite: Pre-Calculus Honors; teacher recommendation
Full year; 1 credit*

CALCULUS AB AP (11-12)

Calculus AB AP is the equivalent of a college level calculus course. The course is intended to challenge the most highly motivated and skilled high school mathematics students while preparing them for the Calculus AB AP examination. Calculus topics include limits and continuity, differentiation, related rates, optimization, particle motion, numeric approximation methods, l'Hopital's rule, integration, area enclosed by graphs, and volumes of revolution.

*Prerequisite: grade of B or higher in Pre-Calculus Honors or Calculus Honors; teacher recommendation
Full year; 1 credit*

CALCULUS BC AP* (11-12)

Calculus BC AP expands on Calculus AB topics to include l'Hopital's rule, integration by parts, partial fraction decomposition, and improper integrals. The course also introduces sequences and series, functions defined by parametric equations, vectors, and polar functions.

*Prerequisite: grade of B or higher in Calculus AB AP and minimum score of 3
or higher on Calculus AB AP exam; teacher recommendation
Full year; 1 credit*

STATISTICS AP* (11-12)

Statistics AP provides coursework equivalent to an introductory, non-calculus-based, college course in statistics. An introductory statistics course, similar to this AP Statistics course, is typically required for college majors such as social sciences, health sciences, and business. Science, engineering, and mathematics majors usually take an upper-level calculus based course in statistics, for which this AP Statistics course is effective preparation. Topics of study include exploring data by describing patterns and departures from patterns, sampling and experimentation marked by planning and conducting a study, anticipating patterns while exploring random phenomena using probability and simulation, and making statistical inferences based on estimating population parameters and testing hypotheses.

*Prerequisite: grade of A- or higher in Algebra 2 and Trigonometry Honors; teacher recommendation
Does not fulfill the math requirement
Full year; 1 credit*



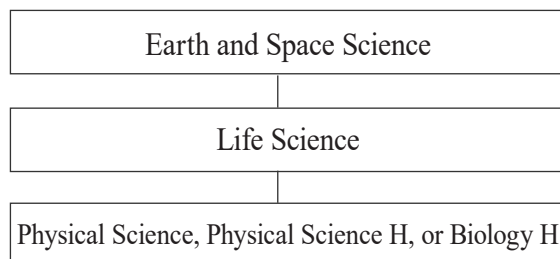
SCIENCE

Riviera Preparatory School's curriculum integrates middle school and high school science and technology courses to address the areas of study identified by the College Board and universities as integral to successful preparation for college-level science courses. With the focus on guiding "big ideas," scientific practices and approaches to problem solving, and refinement of integrated processes, students are able to develop scientific thinking skills that allow them to approach learning as scientists. Through class demonstrations, laboratory experiments, and technology, the science program immerses students in an inquiry-based curriculum. Central principles are introduced and reinforced in required coursework in five disciplines fundamental to college preparation: earth science, life science, physical science, chemistry, and physics. The science curriculum is designed to reinforce, expand, and enrich students' understanding of factual content and procedures, their application of critical thinking and problem solving skills, and the internalization and extrapolation of core scientific principles.



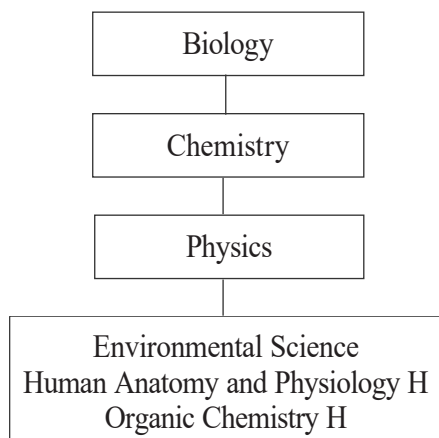
SCIENCE

MIDDLE SCHOOL

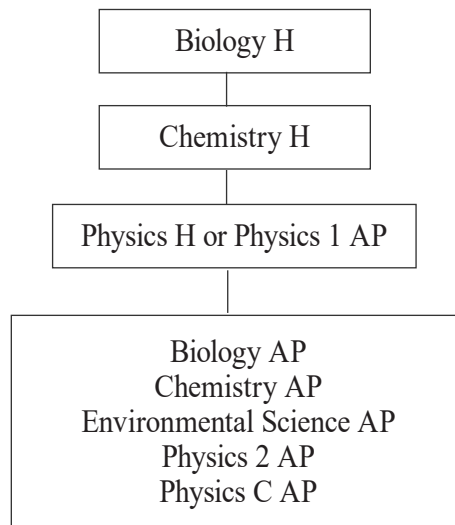


HIGH SCHOOL

COLLEGE PREP TRACK



HONORS AND AP TRACK



Sequence of course offerings may vary. If appropriate, students may switch between College Prep Track and Honors/AP Track from year to year.



EARTH AND SPACE SCIENCE (6)

Earth and Space Science provides a survey of geology, oceanography, meteorology, and astronomy. Students will study Earth's materials, changes of the surface through geological events, changing of life forms, the interaction of weather and climate, and the composition of the universe. This course will help students improve their reading comprehension, as well as math and science skills with an emphasis on inquiry, critical thinking, and problem solving. Students will be provided with the opportunity to observe and apply the scientific processes necessary for Earth and Space Science mastery.

Full year; 1 MS credit

LIFE SCIENCE (7)

Life Science provides a survey of basic biological concepts. The course is divided into four modules: cell structure and heredity, the diversity and classification of life, ecology and the environment, and systems of the human body. Scientific concepts are explored through a hands-on and minds-on approach. Students are given the opportunity to continue developing and sharpening their laboratory skills by applying the scientific method. With an emphasis on inquiry and critical thinking, students will leave the course with the adequate skills and knowledge to succeed in high school biology.

Full year; 1 MS credit

PHYSICAL SCIENCE (8)

Physical Science is divided into three pathways: introduction to chemistry, forces and energy, and sound and light. Students in the course are exposed to the general principles of chemistry and physics. This course helps students improve their reading comprehension, as well as math and science skills with an emphasis on inquiry, critical thinking, and problem solving. Students are given the opportunity to observe and apply the scientific processes necessary for Physical Science mastery.

Full year, 1 MS credit

PHYSICAL SCIENCE Honors (8)

Physical Science Honors is divided into three pathways: introduction to chemistry, forces and energy, and sound and light. Self-motivated students in this course study the general principles of chemistry and physics. This course emphasizes scientific inquiry, collaborative learning, and mathematical problem solving to develop science skills necessary for high school. Through scientific inquiry and collaborative learning, students have the opportunity to develop skills for critical thinking, problem solving, and laboratory procedures. This class is the starting point of the science honors track that will continue through high school.

Prerequisite: grade of A- or higher in previous science class; teacher recommendation

Full year; 1 MS credit

BIOLOGY (9-12)

Biology presents an investigation of the relationship between structure and function of living organisms, the interdependence and interactions of biotic and abiotic components of the environment, and evolutionary mechanisms that maintain continuity and lead to changes in populations over time. Students explore biological concepts through an inquiry approach in which hands-on learning exercises are crucial to understanding these concepts. Laboratory explorations and the incorporation of technology are integral aspects of development of core knowledge, principles of scientific investigation, critical thinking, and an understanding of the role of biotechnology and its impact on society.

Full year; 1 credit

BIOLOGY Honors (8-12)

Biology Honors is designed to prepare students for AP Biology. It addresses a broad range of topics including cell and plant biology, biochemistry, current biological issues, genetics, reproduction, taxonomy, and evolution. These topics are taught using a wide variety of tools and approaches including lectures, individual and/or group projects, lab explorations (including dissections), field trips, guest speakers, and discussion activities. Application of concepts in the laboratory environment requires sophisticated analysis.

Prerequisite: grade of B or higher in Physical Science Honors or grade of A- or higher in Physical Science; teacher recommendation

Corequisite: Algebra 1 or higher (Algebra 1 Honors or higher recommended)

Full year; 1 credit



BIOLOGY AP* (11-12)

Biology AP is equivalent to a freshman level college course, is appropriate for highly prepared and dedicated students. It is designed around the AP Biology Curriculum Framework as developed by College Board. The curriculum focuses on the four topics (Evolution, Energy Processes, Information, and Interactions) which encompass core scientific principles, theories, and processes governing living organisms and biological systems. Students develop a deep conceptual understanding as they integrate biological knowledge and the science practices through inquiry-based activities and laboratory investigations.

*Prerequisite: Biology and Chemistry; teacher recommendation
Full year; 1 credit*

CHEMISTRY (9-12)

Chemistry is a laboratory intensive course covering topics discussed during the first-year chemistry class at the university level: chemical elements, structure of molecules, chemical reactions, and thermodynamics. Students develop scientific accuracy and precision, objectivity, and inventiveness. Students are assessed on their knowledge and understanding of concepts and nomenclature, ability to apply data in problem solving, and laboratory skills as they conduct investigations.

*Prerequisite: Biology and Algebra 1
Full year; 1 credit*

CHEMISTRY Honors (9-12)

Chemistry Honors is a laboratory intensive course covering topics discussed during the first-year chemistry class at the university level: chemical elements, structure of molecules, chemical reactions, and thermodynamics. Students develop scientific accuracy and precision, objectivity, and inventiveness. Students are assessed on their knowledge and understanding of concepts and nomenclature, ability to apply data in problem solving, and laboratory skills as they conduct investigations. Honors students must work independently as they apply concepts during frequent laboratory investigations. This course moves more quickly and builds on prior learning; therefore, students are expected to review frequently in order to be prepared for class.

*Prerequisite: grade of B or higher in Biology Honors and Algebra 1 Honors or
grade of A- or higher in Biology and Algebra 1; teacher recommendation
Corequisite: Math Honors
Full year; 1 credit*

CHEMISTRY AP* (11-12)

Chemistry AP is equivalent to a college level general chemistry course that provides in depth study of six main ideas: chemical elements as building materials of matter; structure and arrangement of atoms, ions, and molecules; rearrangement and reorganization of atoms; rates of chemical reactions; law of thermodynamics; and breaking and formation of bonds. Students must be highly motivated and have successfully completed a prior course in chemistry during high school. At the end of the year, students take the Advanced Placement Examination for college credit. The course is laboratory intensive and places significant emphasis on developing the student's ability to solve problems through dimensional analysis. Much of this course is "out of class homework" and in class "lab" based work.

*Prerequisite: grade of A- or higher in Chemistry and Algebra 2; teacher recommendation
Corequisite: Math Honors
Full year; 1 credit*

PHYSICS (10-12)

Physics is an introductory algebra-based, college preparatory physics course with an emphasis on developing a conceptual understanding of the major topics of physics and problem-solving skills in those topic areas. Both algebra and geometry skills will be used extensively throughout the course. Students will gain an in-depth understanding of the theories and their applications in everyday life from lectures, class discussions, laboratories, and projects. Topics to be covered throughout the year include Newtonian mechanics (motion of objects, forces), classical thermodynamics (the nature of heat), and electricity and magnetism (including DC electronics).

*Corequisite: Algebra 2 or higher
Full year; 1 credit*



PHYSICS Honors (10-12)

Physics Honors is for advanced students ready to move at an accelerated pace, is an introductory algebra-based, college preparatory physics course with an emphasis on developing a conceptual understanding of the major topics of physics and problem-solving skills in those topic areas. Algebra and geometry skills are used extensively throughout the course. Major topics to be covered include Newtonian mechanics (motion of objects, forces), classical thermodynamics (the nature of heat), wave phenomena (sound and light), electricity and magnetism (including DC electronics), and selected topics in modern physics. Students gain an in-depth understanding of these topics through lectures, class discussions, applications, laboratory investigations, and projects.

Prerequisite: grade of B or higher in prior science Honors class or grade of A- or higher in prior science CP class; teacher recommendation

*Corequisite: Algebra 2 and Trigonometry Honors or higher
Full year; 1 credit*

PHYSICS 1 AP* (10-12)

Physics 1 AP is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and fluid mechanics. It also introduces electric circuits. Knowledge of algebra and basic trigonometry is required for the course. Basic ideas of calculus may be introduced in connection with physical concepts such as acceleration and work. Inquiry-based investigations are emphasized, and substantial time is dedicated to lab investigations. This course incorporates an instructional approach that supports in-depth, student-led inquiry of topics.

Prerequisite: grade of A- or higher in Chemistry H; math and science teacher recommendations

*Corequisite: Algebra 2 and Trigonometry Honors or higher
Full year; 1 credit*

PHYSICS 2 AP* (11-12)

Physics 2 AP is the equivalent to a second-semester college course in algebra-based physics. The course covers thermodynamics, electricity and magnetism, optics, atomic and nuclear physics, and mechanical waves and sound. Inquiry-based investigations are emphasized, and the time dedicated to lab investigations is substantial. This course addresses the need for an instructional approach that supports in-depth, student-led inquiry of topics.

Prerequisite: grade of B or higher in Physics 1 AP; math and science teacher recommendations

*Corequisite: Pre-Calculus Honors or higher
Full year; 1 credit*

PHYSICS C AP* (11-12)

Physics C AP is taught in two semesters as part of the college sequence that serves as the foundation in physics for students majoring in the physical sciences or engineering. The sequence is parallel to or preceded by mathematics courses that include calculus. Methods of calculus are used wherever appropriate in formulating physical principles and in applying them to physical problems. Strong emphasis is placed on solving a variety of challenging problems, some requiring calculus. The first semester focuses on classical mechanics and includes topics in kinematics; Newton's laws of motion, work, energy and power; systems of particles and linear momentum; circular motion and rotation; oscillations; and gravitation. The second semester is focused primarily on electricity and magnetism.

Prerequisite: B or higher in Physics Honors or A- or higher in Physics CP; science teacher recommendation

*Corequisite: Calculus AB AP or higher
Full year; 1 credit*

ENVIRONMENTAL SCIENCE (9-12)

Environmental Science extends the study of Biology to the living and nonliving factors of the environment and the principles and methods needed to understand the interrelationships of the natural world. Environmental Science addresses science as a process, energy conversion in ecological processes, Earth as an interconnected system, the impact of humans on ecology, and sustainability. This laboratory-based course closely examines the impact of humans on our local marine ecosystems. Students investigate the characteristics of various populations, patterns of distribution of life in the Florida Everglades and Biscayne Bay, and ongoing changes occurring every day in our ecosystem. Some investigations require analysis and data collection outside the classroom, including field trips to various locations.

*Prerequisite: Biology
Full year; 1 credit*

ENVIRONMENTAL SCIENCE AP* (10-12)

Environmental Science AP is a rigorous course designed to be the equivalent of an introductory college course in environmental science. With thorough knowledge of scientific principles, concepts, and methodologies, students will understand the human relationship with the environment. Students identify and evaluate risks associated with problems of the natural and human-made world, analyze environmental problems, and examine alternative solutions for resolving and/or preventing them. This course is an appropriate option for strong and motivated students who have completed biology.

*Prerequisite: grade of A- or higher in Biology; teacher recommendation
Corequisite: Algebra 2 and Trigonometry Honors recommended
Full year; 1 credit*

HUMAN ANATOMY AND PHYSIOLOGY Honors (11-12)

Human Anatomy and Physiology Honors is a life science class designed to investigate the structure and function of the human body systems. In addition, this course covers body organization, chemistry of life, cells and tissues, homeostasis, embryonic development, and metabolism. Students' understanding is enhanced through the use of diagrams and models, scientific terminology, and laboratory experiments, including extensive dissections.

*Prerequisite: grade of B or higher in Biology Honors or grade of A- or higher in Biology; teacher recommendation
Full year; 1 credit*

ORGANIC CHEMISTRY Honors (11-12)

Organic Chemistry Honors is an introductory course concentrating on topics taught during the second-year college chemistry course required of all pre-medical and STEM major students. This subject deals primarily with the basic principles to understand the structure and reactivity of organic molecules. Emphasis is on International Union of Pure and Applied Chemistry nomenclature, substitution and elimination reactions and chemistry of the carbonyl group. The course also provides an introduction to the chemistry of aromatic compounds. Students must be highly motivated and have successfully completed honors or Chemistry Honors during high school. The course is laboratory focused and places significant emphasis on developing the student's ability to solve problems through higher order thinking.

*Prerequisite: grade of A- or higher in Chemistry Honors; teacher recommendation
Full year; 1 credit*



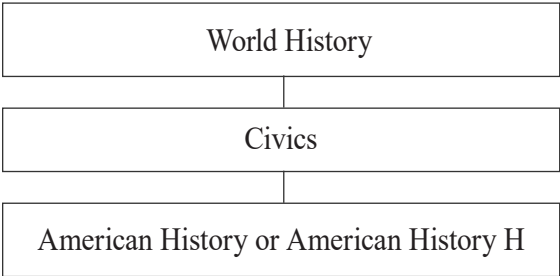
SOCIAL SCIENCE

The Social Science department of Riviera is dedicated to developing involved and active learners who strive to be productive, global citizens in today's world. The goal is to create life-long learners with an appreciation and understanding of the social sciences who carry that passion with them after leaving Riviera Preparatory, through college and beyond. The curriculum provides opportunities to engage in first-hand experiences that supplement a rigorous classroom structure where students can appreciate their knowledge and apply it to issues within contemporary society. It ultimately leads students to realize the common nature of the human experience, whether this occurs by analyzing the primary sources of history, understanding the complexities of political structure and theory, discovering the roots of human interaction, or chronicling the efforts of people solving problems. Across this broad spectrum, the aim remains the same—the fostering of a strong desire to acquire knowledge and the capacity to use it to positively affect our world.



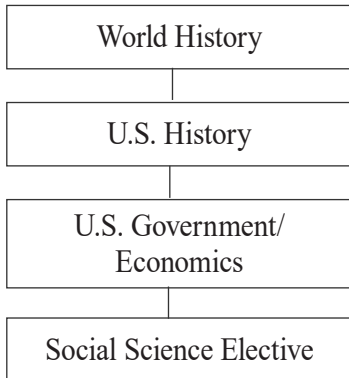
SOCIAL SCIENCE

MIDDLE SCHOOL

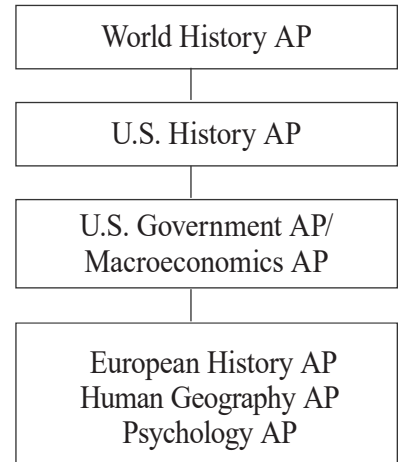
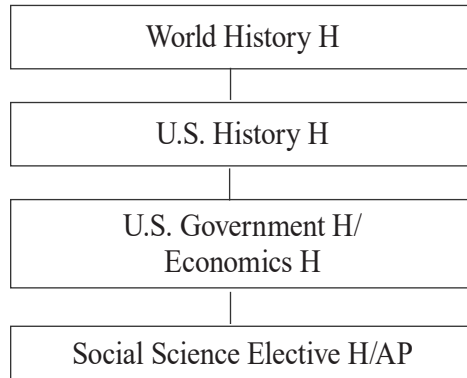


HIGH SCHOOL

COLLEGE PREP TRACK



HONORS AND AP TRACK



Sequence of course offerings may vary. If appropriate, students may switch between College Prep Track and Honors/AP Track from year to year.



WORLD HISTORY MIDDLE SCHOOL (6)

World History Middle School enables students to understand the relevance of historical events in our society today. Through discussions, presentations, and research by the students, they learn how civilizations have emerged, grown, and flourished throughout recorded history. It is nearly impossible to discuss every civilization, empire, and event in recorded human history; therefore, only the most significant events and major civilizations will be discussed. The course is designed to highlight the growth of humanity and how contemporary culture finds its roots in many of these past civilizations. Students also improve their critical thinking skills, expand their vocabulary, and enhance their writing skills.

Full year; 1 MS credit

CIVICS (7)

Civics enables students to have a deeper understanding of the ways our American society works under a democratic government. Throughout the course, students break down the structure of the United States government at a national, state, and local level. The course allows for students to understand the fundamental ideas of our Founding Fathers that led to the creation of our United States Constitution, as well as the influence that early colonial life had on the birth of our nation's Bill of Rights. Analyzing the structure of the Federal government's three branches and understanding the power and roles of each are significantly emphasized. The course is designed for students to distinguish the powers of Florida's state and local governments and learn the rights and responsibilities of citizenship.

Full year; 1 MS credit

AMERICAN HISTORY (8)

American History provides students with a significant understanding of American history through post-Civil War Reconstruction. It includes topics ranging from the American colonial histories to the Revolutionary War and the motivations of the founding fathers, leading to the creation of documents like the Declaration of Independence and the Constitution. Early 19th century government and politics as well as U.S. international affairs are covered. The division between the states and the ensuing Civil War culminate the year in suitably dramatic fashion. Students analyze the events of history as they identify motivations of key individuals and causes and effects of important events. Learning the lessons of the past is a major theme of the course. A strong emphasis is placed on the structure of the Constitution and our democratic republic.

Full year; 1 MS credit

AMERICAN HISTORY Honors (8)

American History Honors is designed to provide students with a significant understanding of American history through the post-Civil War Reconstruction period. It includes topics ranging from American colonial histories to the Revolutionary War. Early 19th century government and politics as well as United States international affairs are covered. The division between the states and the ensuing Civil War culminate the year in suitably dramatic fashion. Students analyze the events of our history as they identify motivations of key individuals and causes and effects of important events. Learning the lessons of the past is a major theme of the course. The honors level students master skills involved with analyzing primary sources, determining underlying motivations and bias in history, and using the lessons of the past as predictors of present world circumstances. Such work is evaluated in group and individual projects assigned as regular coursework. A strong emphasis is placed on the structure of the Constitution and our democratic republic.

*Prerequisite: grade of A- or higher in previous social science CP class;
teacher recommendation*

Full year; 1 MS credit



WORLD HISTORY (9)

World History provides an overview of the world with emphasis on Western civilization, generally referred to as the civilization which began in the ancient Near East and then developed primarily in Europe, Northern Africa, and the westernmost edges of Asia. The cultural and political legacy of this civilization is vast and has become predominant in much of the world. The objective is to understand how civilizations emerged and changed to become dominant forces in world history. Students concentrate on several major topics: the dawn of modern scientific thought; the intellectual changes wrought by the Enlightenment; the rise of the major states in the 1700s; the French Revolution and its impact; the Industrial Revolution; the evolution of Nationalism and Socialism; the European overseas empires; the destruction of European predominance in the era of the World Wars; the Cold War, the US/USSR rivalry, and their impact on the West; and finally, the world in which the students currently live.

Full year; 1 credit

WORLD HISTORY Honors (9)

World History Honors covers the same topics as the World History course but with more in-depth study and greater sophistication in study of world history with emphasis on Western civilization from the end of the period known as the Dark Ages through the Modern Ages. Western civilization is generally referred to as the civilization which began in the ancient Near East and then developed primarily in Europe, Northern Africa, and the westernmost edges of Asia. The cultural and political legacy of this civilization is vast and has become predominant in much of the world. The objective is to understand how this civilization changed over the last millennia and emerged as a dominant force in world history. Students concentrate on several major topics: the dawn of modern scientific thought; the intellectual changes wrought by the Enlightenment; the rise of the major states in the 1700s; the French Revolution and its impact; the Industrial Revolution; the evolution of Nationalism and Socialism; the European overseas empires; the destruction of European predominance in the era of the World Wars; the Cold War, the US/USSR rivalry, and their impact on the West; and finally, the world in which the students currently live.

Prerequisite: grade of B or higher in prior social science Honors class or grade of A- or higher in prior social science CP class; teacher recommendation
Full year; 1 credit

WORLD HISTORY AP* (9-12)

World History AP addresses chronological periods viewed through the lens of related key concepts and course themes, accompanied by a set of skills that clearly define what it means to think historically and to explore the broad trends and global processes. Skills in historiography, chronological reasoning, comparison and contextualization, and historical interpretation and synthesis require sufficient knowledge of detailed and specific relevant historical developments and processes — including names, chronology, facts, and events — to exemplify the themes and key concepts. Specific historical developments and processes taught in an AP World History course vary according to the instructional choices each teacher makes to provide opportunities for student investigation and learning for each key concept and theme: Theme 1: Interaction Between Humans and the Environment; Theme 2: Development and Interaction of Cultures; Theme 3: State-Building, Expansion, and Conflict; Theme 4: Creation, Expansion, and Interaction of Economic Systems; Theme 5: Development and Transformation of Social Structures.

Prerequisite: grade of A- or higher in prior social science Honors class; teacher recommendation
Full year; 1 credit



UNITED STATES HISTORY (10)

United States History is designed to provide the student with an understanding of United States history with primary focus on events occurring after the Civil War. Content covers early 19th century government and politics, the period of Reconstruction following the Civil War, the Industrial Age, World War I, the Great Depression, World War II, the Cold War, and more recent events in history. Students are encouraged to analyze the events of our history in an effort to better comprehend the motivations, causes, and effects of important events and people.

Full year; 1 credit

UNITED STATES HISTORY Honors (10)

United States History Honors is designed to provide the student with an understanding of United States history with primary focus on events occurring after the Civil War. Content covers early 19th century government and politics, the period of Reconstruction following the Civil War, the Industrial Age, World War I, the Great Depression, World War II, the Cold War, and more recent events in history. Students are encouraged to analyze the events of our history in an effort to better comprehend the motivations, causes, and effects of important events and people. Honors history places special focus on Supreme Court legislation and presidential history. The honors designation has more writing and primary source assignments.

Prerequisite: grade of B or higher in prior social science Honors class or grade of A- or higher in prior social science CP class; teacher recommendation

Full year; 1 credit

UNITED STATES HISTORY AP* (10-11)

United States History AP is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems in U.S. history. The course serves as a chronological survey of the history of the United States from the colonial period to the present. Curriculum goes beyond the memorization of facts to the interpretation and analysis of historical data and writings. The program prepares students for intermediate and advanced college courses by presenting rigorous activities equivalent to those of introductory college courses. Students learn to assess historical data and primary sources—their relevance to a given interpretive problem, reliability, and importance—and to weigh the evidence and interpretations presented in historical scholarship. This course focuses on the development of skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format. The assessments provided during the course provide practice for the national AP exam.

Prerequisite: grade of B or higher in prior social science AP class or grade of A- or higher in prior social science CP class; teacher recommendation

Full year; 1 credit

UNITED STATES GOVERNMENT (11-12)

United States Government is designed to develop an understanding of the foundations and institutions of American government. Students learn details of the three branches and their roles, as established by the Constitution. Students gain an understanding of the rights, freedoms, and responsibilities of United States citizenship, active participation in state and local government, and comparative political systems.

*Paired with Economics
½ year; ½ credit*



UNITED STATES GOVERNMENT Honors (11-12)

United States Government Honors presents the foundations and institutions of American government. Students learn details of the three branches and the roles they play, as established by the Constitution. Students gain an understanding of the rights, freedoms, and responsibilities of United States citizenship; how to participate in state and local government; and comparative political systems. Honors level study requires a higher-level sophistication and analysis of primary sources.

Paired with Economics Honors

*Prerequisite: grade of B or higher in prior social science Honors class or grade of A- or higher in prior social science CP class; teacher recommendation
½ year; ½ credit*

UNITED STATES GOVERNMENT AP* (11-12)

United States Government AP is equivalent to a college level course, which includes both the study of general concepts used to guide U.S. government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, procedures, and ideas that constitute U.S. government and politics. Topics include constitutional underpinnings of the United States government, political beliefs and behaviors, political parties, interest groups, judicial decisions, mass media, institutions of national government, public policy, civil rights, and civil liberties.

Paired with Macroeconomics AP

*Prerequisite: grade of B or higher in prior social science AP class or grade of A- or higher in prior social science Honors class; teacher recommendation
½ year; ½ credit*

ECONOMICS (11-12)

Economics enhances the student's practical understanding of the American economic system and its fundamental economic principles. Topics of focus include economic institutions in the United States; the international marketplace; comparative economic systems; the impact of history and politics on economics; the law of supply and demand; forms of business; labor unions; government finances and influence on the economy, money and prices; and inflation and deflation cycles. Managing personal finances and planning for one's future financial security is an essential goal of the course.

Paired with United States Government

½ year; ½ credit

ECONOMICS Honors (11-12)

Economics Honors expands the student's practical and theoretical understanding of the American economic system and its fundamental economic principles. Analysis focuses on topics such as economic institutions in the United States; the international marketplace; comparative economic systems; the impact of history and politics on economics; the law of supply and demand; forms of business; labor unions; government finances and influence on the economy, money and prices; and inflation and deflation cycles.

Paired with United States Government Honors

*Prerequisite: grade of B or higher in prior social science Honors class or grade of A- or higher in prior social science CP class; teacher recommendation
½ year; ½ credit*



MACROECONOMICS AP* (11-12)

Macroeconomics AP is equivalent to a college level introductory economics course which gives students a thorough understanding of principles of economics that apply to an economic system as a whole. The course places particular emphasis on the study of how government policies affect national income and price-level determination, and also develops students' familiarity with economic performance measures, stabilization policies, economic growth, and international trade.

Paired with United States Government AP

*Prerequisite: grade of B or higher in prior social science AP class or grade of A- or higher in prior social science Honors class; teacher recommendation
½ year; ½ credit*

EUROPEAN HISTORY AP* (10-12)

European History AP introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. This knowledge provides context for understanding the development of contemporary institutions, the role of continuity and change in present-day society and politics, and the evolution of current forms of artistic expression and intellectual discourse. In addition to providing a basic narrative of events and movements, the goals of AP European History are to develop (a) an understanding of some of the principal themes in modern European history, (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical understanding in writing.

*Prerequisite: grade of B or higher in prior social science AP class or grade of A- or higher in prior social science Honors class; teacher recommendation
Full year; 1 credit*

HUMAN GEOGRAPHY AP* (10-12)

Human Geography AP is offered to qualified students who wish to complete studies in a secondary school equivalent to an introductory college course in human geography. The purpose of the Human Geography AP course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. The course is divided into independent units comprised of Geography, Nature and Perspectives, Population, Cultural Patterns and Processes, Political Organization of Space, Agriculture and Rural Land Use, Industrialization and Economic Development, and Cities and Urban Land Use. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use to better understand the physical and cultural landscape.

*Prerequisite: grade of B or higher in prior social science AP class or grade of A- or higher in prior social science Honors class; teacher recommendation
Full year; 1 credit*

PSYCHOLOGY (11-12)

Psychology examines the human mind and why an individual thinks, feels, acts, and reacts to various stimuli. Students survey major topics in psychology including cognition, development, personality and individuality, memory, abnormality and disorders, and socialization. Exposure to fundamental terminology, principles, and theories provides students with a comprehensive introduction to this academic field.

*Paired with Sociology
½ year; ½ credit*

SOCIOLOGY (11-12)

Sociology examines human society, social behavior, and social interaction. Unlike psychology, sociology examines groups rather than individuals, and how those groups influence the way individuals think, feel, and act. Students develop a sociological imagination, or the ability to see the connection between the larger social world and their personal lives. Major themes include culture, social structures and institutions, social inequality, and social change and modernization.

*Paired with Psychology
½ year; ½ credit*



PSYCHOLOGY AP* (10-12)

Psychology AP 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 curriculum is designed to offer the equivalent of an introductory college course in psychology. Topics of focus include research methods, biological bases for behavior, sensation and perception, states of consciousness, learning, cognition, motivation and emotion, developmental psychology, personality, testing and individual differences, abnormal behavior and its treatment, and social psychology.

Prerequisite: grade of B or higher in prior social science AP class or grade of A- or higher in prior social science Honors class; teacher recommendation

Full year; 1 credit

WORLD RELIGIONS Honors (11-12)

World Religions Honors broadens the students' horizons and cultural understandings of world religions. The course includes close examination of Christianity, Islam, Judaism, Hinduism, Buddhism, and Taoism. The study of these religions includes historical, theological, and philosophical perspectives with special emphasis on ethical guidelines and the philosophies which govern them. Contemporary case studies, primary doctrinal readings, and philosophical discussions drive instruction. In this reading and writing intensive course, students are challenged to scrutinize the doctrines and philosophies of the religions.

Prerequisite: grade of B or higher in prior social science Honors class or grade of A- or higher in prior social science CP class; teacher recommendation

Full year; 1 credit



WORLD LANGUAGES

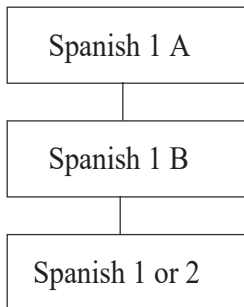
World language study prepares students to become active citizens of the world and interact successfully within today's global society. Students learn about the cultures where the language is spoken and acquire a world view and appreciation for the different cultures studied. Students become proficient in the target language by developing the four basic skills: listening, speaking, reading, and writing. The curriculum is based on the five national world language standards: communications, cultures, connections, comparisons, and communities.



WORLD LANGUAGES

MIDDLE SCHOOL

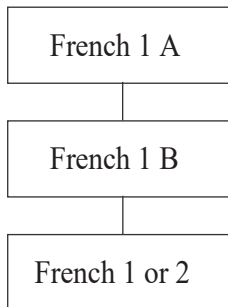
SPANISH



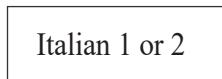
ESPAÑOL



FRENCH

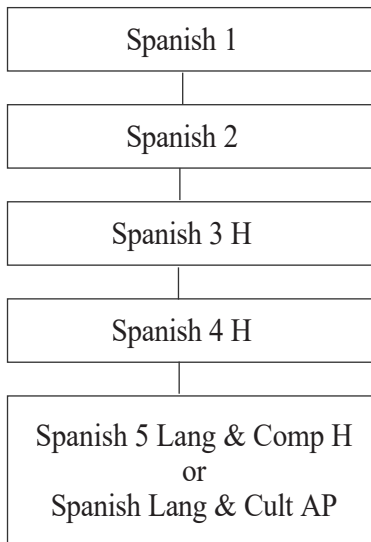


ITALIAN

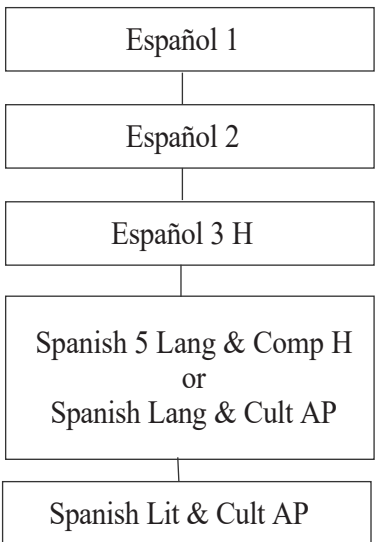


HIGH SCHOOL

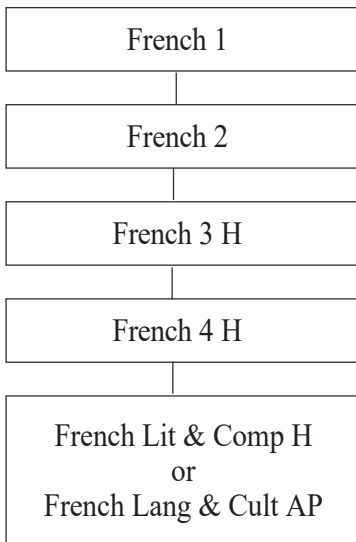
SPANISH



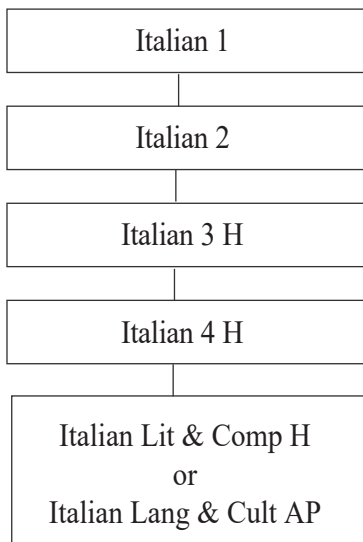
ESPAÑOL



FRENCH



ITALIAN



Sequence of course offerings may vary.



ESPAÑOL 1 A (6-7)

Español 1 A is a beginning language course. This course enables native and heritage Spanish speaking students to develop, maintain, and enhance proficiency in their home language by developing skills in listening, speaking, reading, and writing. Spanish grammar topics are reviewed in context and according to the needs of students. Cultural topics are also a part of activities and instruction. After successful completion of Español 1 A or 1 B, students should be prepared to continue with Español 2.

Full year; 1 MS credit

SPANISH 1 A (6-7)

Spanish 1 A is a beginning language course. The students are introduced to the fundamental language skills (listening, speaking, reading, and writing) and to basic vocabulary and grammar in the target language. Students learn how to exchange information in simple terms about topics relating to themselves, their family, and their leisure activities in Spanish. As the course progresses, students will proceed from the use of basic phrases to the more creative use of language through dialogues, skits, songs, videos, games, and projects in the target language. The main goal of this course is to progress toward authentic communication at a basic level. After successful completion of Spanish 1 A and 1 B, students should be prepared to continue with Spanish 2.

Full year; 1 MS credit

ESPAÑOL 1 B (7-8)

Español 1 B is designed to focus on the needs of Spanish-speaking students. It develops conversation, writing, and reading skills on a more advanced level. Students review structures of the language previously learned, concentrating on more complex aspects of Spanish grammar. The course also serves as an introduction to literary works by Spanish and Latin-American writers as well as to the history, geography, and cultures of the Spanish speaking societies. After successful completion of Español 1 A and 1 B, students should be prepared to continue with Español 2.

Prerequisite: Español 1 A or its equivalent; teacher recommendation

Full year; 1 MS credit

SPANISH 1 B (7-8)

Spanish 1 B is designed to continue to develop, expand, and reinforce the language skills of students from a proficiency-based perspective. Students will communicate in spoken Spanish as much as possible by asking questions and providing information about themselves. Students are also presented with a variety of reading materials in the textbook as well as authentic texts, in order to build vocabulary and improve comprehension of written Spanish. Additionally, reading serves to introduce students to various aspects of the culture and civilization of the countries studied. The aim is to increase the students' oral and written skills in the language. After successful completion of Spanish 1 A and 1 B, students should be prepared to continue with Spanish 2.

Full year; 1 MS credit

ESPAÑOL 1 (8-12)

Español 1 is a beginning language course which enables native and heritage Spanish speaking students to develop, maintain, and enhance proficiency in their home language by developing skills in listening, speaking, reading, and writing. Spanish grammar topics are reviewed in context and according to the needs of students. Cultural topics are also a part of activities and instruction. The course also serves as an introduction to literary works by Spanish and Latin-American writers as well as to the history, geography, and cultures of Spanish speaking societies.

Full year; 1 MS credit



SPANISH 1 (8-12)

Spanish 1 students learn to greet others immediately in the manner they would use when traveling in a Spanish-speaking country. Oral communication is the focus, as students participate in dialogues, skits, songs, games, films, and projects that help build communication skills and introduce them to the distinct cultures in the Hispanic world. Each class period includes the four language skills: listening, speaking, reading, and writing. Structured writing and reading activities help students internalize vocabulary, grammar, and rhetorical. ¡Me encanta el español!

Full year; 1 credit

ESPAÑOL 2 (8-12)

Español 2 continues the world language focus for native and heritage speaking students on the four major aspects of effective communication: listening, reading, writing, and speaking. Instruction emphasizes a higher level of communication than expected in introductory courses in a world language. Participants are expected to engage in elaborate, extended, and well-organized discourse in Spanish. Culture and heritage continue to be presented.

Prerequisite: Español 1 or its equivalent; teacher recommendation

Full year; 1 credit

SPANISH 2 (8-12)

Spanish 2 reinforces and further develops the communication skills, grammar, vocabulary, and concepts learned in Spanish 1. Oral communication continues to be the focus as students expand their speaking and listening skills with increasing confidence. Students also develop reading and writing skills while reading for meaning and purpose from various genres written in Spanish. Familiarity with the different peoples and cultures of the Hispanic world is expanded through classroom and research activities. ¡Me encanta el español!

Prerequisite: Spanish 1 or its equivalent; teacher recommendation

Full year; 1 credit

ESPAÑOL 3 Honors (8-12)

Español 3 Honors continues the world language focus for native and heritage speaking students by exposing them to their heritage history and culture. This course is designed to enrich students' vocabulary, continue building language arts skills in Spanish, and heighten students' awareness of their heritage. Español 3 has an emphasis on developing writing skills, as well as exposing students to the literature of the Spanish-speaking world.

Prerequisite: grade of B or higher in Español 2 or its equivalent; teacher recommendation

Full year; 1 credit

SPANISH 3 Honors (8-12)

Spanish 3 Honors is designed for highly motivated students who have successfully completed level 2 or its equivalent and are interested in broadening, refining, and perfecting their proficiency in the Spanish language. Students continue to develop their communicative competence by interacting orally and in writing with precision and clarity while developing fluency in the language. The language of instruction is primarily in Spanish. Integration of technology is an important tool in accessing authentic texts and information to be studied and discussed in the target language. Further, students develop a deeper appreciation of the global world in which they live. Various regions of the Hispanic world are examined in depth, and students are expected to research and deliver an oral presentation on one of them.

Prerequisite: grade of B or higher in Spanish 2 or its equivalent; teacher recommendation

Full year; 1 credit



SPANISH 4 Honors (9-12)

Spanish 4 Honors is a rigorous course in advanced conversation and composition designed to extend and refine students' language skills practiced in previous courses. Spanish 4 Honors is offered to those students interested in pursuing the Advanced Placement examination in Spanish Language and/or Spanish Literature. All grammar is thoroughly reviewed, new vocabulary and idiomatic expressions are learned, and students are exposed to a variety of literary and cultural readings. Students develop style and abstract thinking in Spanish through the analysis of these works. Students make frequent presentations, both oral and written, in the target language. This is achieved in groups, with partners, and through individual practice.

*Prerequisite: grade of B or higher in Spanish 3 Honors or its equivalent; teacher recommendation
Full year; 1 credit*

SPANISH 5 LANGUAGE AND COMPOSITION Honors (10-12)

Spanish 5 Language and Composition Honors expands the skills acquired by students in Spanish 4 Honors. The course weaves language and culture in thematic units featuring authentic materials. Resources such as videos, audio, news articles, blogs, comics, interviews, and literature written for native Spanish-speakers engage the students in real-world communication. Proficiency in speaking, reading, writing, and listening is developed through letters, emails, oral presentations, recordings, reports, and class discussions. The course is intended to prepare the student for the Spanish Language and Culture AP class the following academic year, or to continue studying Spanish at the college level.

*Prerequisite: grade of B or higher in Spanish 4 Honors or its equivalent; teacher recommendation
Full year; 1 credit*

SPANISH LANGUAGE AND CULTURE AP* (10-12)

Spanish Language and Culture AP prepares students for the Advanced Placement Spanish Language examination. It is comparable to a course at the college level. Emphasizing the use of Spanish for active communication in real life tasks, it focuses on developing the students' abilities in interpretive, interpersonal, and presentational communication. Students strengthen their cultural competencies through theme-based instruction based on a variety of authentic resources such as newspapers, magazines, podcasts, blogs, advertisements, television programs, films, music, video clips, and literature. Grammar and vocabulary are strengthened through contextualized study.

*Prerequisite: grade of B or higher in Spanish Literature AP or grade of A- or higher in Spanish 5 Language and Composition Honors or its equivalent;
teacher recommendation
Full year; 1 credit*

SPANISH LITERATURE AND CULTURE AP* (10-12)

Spanish Literature and Culture AP provides students with a learning experience equivalent to that of an introductory college course in literature written in Spanish. Students are introduced to the formal study of a representative body of texts from Peninsular Spanish, Latin American, and U.S. Hispanic literature. The course provides students the opportunity to demonstrate their proficiency in Spanish across the three modes of communication (interpersonal, interpretive, and presentational) and the five goal areas (communication, cultures, connections, comparisons, and communities). Students continue to use and develop the full range of language skills with special attention to critical reading and analytical writing.

*Prerequisite: grade of B or higher in Spanish Language AP or grade of A- or higher in Spanish 5 Language and Composition Honors or its equivalent;
teacher recommendation
Full year; 1 credit*



FRENCH 1 A (6-7)

French 1 A is a beginning language course. Students are introduced to the fundamental language skills (listening, speaking, reading, and writing) and to basic vocabulary and grammar in French. Students learn how to exchange information in simple terms about topics relating to themselves, their family, and their leisure activities in French. As the course progresses, students proceed from the use of basic phrases to the more creative use of language through dialogues, skits, songs, videos, games, and projects in the target language. The main goal of this course is to progress toward authentic communication at a basic level. After successful completion of French 1 A and French 1 B, students should be prepared to continue with French 2.

Full year; 1 MS credit

FRENCH 1 B (7-8)

French 1 B is designed to continue to develop, expand, and reinforce the language skills of students from a proficiency-based perspective. Students communicate in spoken French as much as possible by asking questions and providing information about themselves. Students are also presented with a variety of reading materials in the textbook as well as authentic texts, in order to build vocabulary and improve comprehension of written French. Additionally, reading serves to introduce students to various aspects of the culture and civilization of the countries studied. The aim is to increase the students' oral and written skills in the language. After successful completion of French 1 A and French 1 B, students should be prepared to continue with French 2.

*Prerequisite: French 1 A or its equivalent; teacher recommendation
Full year; 1 MS credit*

FRENCH 1 (8-12)

French 1 students learn how to communicate immediately in an interactive environment where oral communication is emphasized. The teacher and peers help students to feel comfortable with the sound, rhythm, and melody of this important world language. Dialogues, skits, songs, games, films, and projects are used to help build French communication skills and to present information about culture in the many French speaking countries. Each day includes the four language skills: listening, speaking, reading, and writing. Structured writing and reading activities help students learn and internalize vocabulary and grammar. Apprendre le français? Oui, c'est si bon!

Full year; 1 credit

FRENCH 2 (8-12)

French 2 reinforces and further develops the skills, grammar, vocabulary, and concepts learned in French 1. Oral communication skills continue to be the focus as students increase their understanding of French people speaking at normal conversational speed. They speak more and with increasing confidence with their peers and teacher. Students expand their speaking and listening skills through dialogues, skits, mini-plays, games, storytelling, films, CDs, and songs.

*Prerequisite: French 1 or its equivalent; teacher recommendation
Full year; 1 credit*



FRENCH 3 Honors (8-12)

French 3 Honors is designed for the highly motivated students who have successfully completed level 2 or its equivalent and are interested in broadening, refining, and perfecting their proficiency in the French language. Students continue to develop their communicative competence by interacting orally and in writing with precision and clarity while developing fluency in the language. The language of instruction is primarily in French. The integration of technology is an important tool in accessing authentic texts and information to be studied and discussed in the target language. Further, students continue to learn about and appreciate the many cultures of the Francophone world, including Quebec, the Caribbean, West and North Africa, Europe, and the Pacific Ocean islands. Students are expected to research and deliver oral presentations in the target language about these diverse regions and the cultures pertaining to them.

Prerequisite: grade of B or higher in French 2 or its equivalent; teacher recommendation

Full year; 1 credit

FRENCH 4 Honors (9-12)

French 4 Honors is a rigorous course offered to students who wish to develop a greater degree of proficiency in the French language. Students expand their vocabulary and develop more fluency in French through class discussion of current events, history, and literature. The basic elements of grammar are reviewed, refined, and practiced as students examine and analyze the Francophone world of today and yesterday. Writing assignments, short essays, and oral presentations are assigned to develop mastery of the grammar and vocabulary studied. Further, students explore and analyze literary and artistic masterpieces within their historical, social, and political contexts. Lectures and discussions are in French with the student playing a much more central role than in earlier levels.

Prerequisite: grade of B or higher in French 3 Honors or its equivalent; teacher recommendation

Full year; 1 credit

FRENCH LITERATURE AND COMPOSITION Honors (10-12)

French Literature and Composition Honors expands the skills acquired by students in French 4 Honors. Students engage in an in-depth look at French civilization through readings, discussions, research, and reporting. Specific content to be covered includes literary works, popular culture, current events, history, music, and film. Reading selections include poetry, newspaper and magazine articles, adaptations of short stories and plays, passages of literary texts, and song lyrics. The development of writing skills is enhanced through written essays, formal letters, and emails. Students also develop presentational speaking skills through oral reports and class discussions. This course is intended to prepare the student to take the French Language and Culture AP course the following academic year or to continue studying French at the college level.

Prerequisite: grade of B or higher in French 4 Honors or its equivalent; teacher recommendation

Full year; 1 credit

FRENCH LANGUAGE AND CULTURE AP* (10-12)

French Language and Culture AP emphasizes communication by applying interpersonal, interpretive, and presentational skills in real-life situations. Vocabulary usage, language control, communication strategies, and cultural awareness are taught almost exclusively in French. The course includes analysis and review of Francophone literature as well as analysis and discussion of contemporary issues. Students engage in an exploration of culture in both contemporary and historical contexts, developing awareness and appreciation of cultural products, practices, and perspectives.

Prerequisite: grade of B or higher in French Literature and Composition Honors or its equivalent;

teacher recommendation

Full year; 1 credit

ITALIAN 1 (8-12)

Italian 1 introduces the fundamental elements of the Italian language within a cultural context. Through interactive lessons using everyday vocabulary, students will begin to listen, speak, read, write, and understand Italian. Upon completion, students should be able to comprehend and respond with grammatical accuracy to spoken and written Italian as well as demonstrate cultural awareness. Lectures and discussions include geography, customs, culture, and literature of Italy. Students also engage in a variety of research activities to foster a better understanding of the Italian language and its culture. *Mi piace la lingua italiana!*

Full year; 1 credit

ITALIAN 2 (8-12)

Italian 2 reinforces and further develops the skills, grammar, vocabulary, and concepts learned in Italian 1. It encourages students to go from familiar material to more complex constructions through daily reading and speaking in Italian. Reading forms the basis of written work, as composition skills develop. Students are encouraged to present their own points of view and relate the reading experience to their own, joining speaking and writing to the reading of Italian in a unique learning experience. The emphasis is on speaking fluent Italian, vocabulary building, and more sophisticated communication skills. *Andiamo a parlare la bellissima lingua italiana!*

Prerequisite: Italian 1 or its equivalent; teacher recommendation

Full year; 1 credit

ITALIAN 3 Honors (8-12)

Italian 3 Honors is designed for highly motivated students who have successfully completed level 2 or its equivalent and are interested in broadening, refining, and perfecting their proficiency in the Italian language. Students continue to develop their communication competence by speaking and writing with precision and clarity while developing fluency in the language. The language of instruction is primarily in Italian. Integration of technology is an important tool in accessing authentic texts and information to be studied and discussed. Further, students develop a deeper appreciation of the global world in which they live. Various regions of the Italian peninsula are examined in depth, and students are expected to research and deliver an oral presentation on one of them.

Prerequisite: grade of B or higher in Italian 2 or its equivalent; teacher recommendation

Full year; 1 credit

ITALIAN 4 Honors (9-12)

Italian 4 Honors is designed to promote the learning of new concepts and to enhance the usage of previously learned language skills to achieve proficiency in the Italian language. It focuses on more in-depth vocabulary development, including a review of the basic elements of grammar, plus a reinforcement of conversation and writing skills. Systematic study of the history of Italy is coupled with contemporary events in video interviews and audio scripts. Through the study of current and past events in the Italian culture, students will make connections, comparisons, and develop a deeper understanding of the target language and culture and that of their own. In this course, students will continue developing language proficiency and cultural understanding by communicating about various cultural and global matters. The methodologies used in this course are to develop skills in the areas of listening, speaking, reading and writing. Writing assignments, short essays, and oral presentations are assigned to develop mastery of the grammar and vocabulary studied. Lectures and discussions are conducted exclusively in Italian.

Prerequisite: Italian 1 or its equivalent; teacher recommendation

Full year; 1 credit



ITALIAN LITERATURE AND COMPOSITION Honors (10-12)

Italian Literature and Composition Honors expands the skills acquired by students in Italian 4 Honors. Students engage in an in-depth look at Italian civilization through reading, discussions, research, and reporting. Specific content to be covered include literary works, popular culture, current events, history, music, and film. Reading selections include poetry, newspaper and magazine articles, adaptations of short stories and plays, passages of literary texts, and song lyrics. The development of writing skills is enhanced through written essays, formal letters, and emails. Students also develop public speaking skills through oral reports and class discussions. The course is intended to prepare the student to take the Italian Language and Culture AP class the following academic year or to continue studying Italian at the college level.

*Prerequisite: Italian I or its equivalent; teacher recommendation
Full year; 1 credit*

ITALIAN LANGUAGE AND CULTURE AP* (10-12)

Italian Language and Culture AP emphasizes communication by applying the interpersonal, interpretive, and presentational modes of communication in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. To best facilitate the study of language and culture, the course is taught almost exclusively in Italian. Students engage in various topics on culture in both contemporary and historical contexts. Students develop awareness and appreciation of cultural and global issues. Emphasis is on intense composition writing and reinforcement of grammatical concepts that are essential in writing.

*Prerequisite: grade of B or higher in Italian Literature and Composition Honors or its equivalent;
teacher recommendation
Full year; 1 credit*





FINE ARTS & PERFORMING ARTS

The Fine Arts and Performing Arts Department is comprised of Dance, Music, Performance, and Visual Arts classes. At Riviera, we believe the arts are essential to the holistic education of every child and cultivate a passion for lifelong learning. While upholding rigorous educational standards, the arts curriculum establishes the foundation for intellectual growth and cross-curricular enrichment. As a unique component, the Fine Arts and Performing Arts Department also serves as a vehicle for students to serve as outreach ambassadors to the surrounding neighborhoods with an emphasis on underserved populations.



ART (6)

Art 6 is a rewarding and challenging course that revisits all of the mediums students have learned throughout Elementary school, and taking their awareness and skill development to a higher level of quality, both on 2D and 3D planes. Throughout this process, students have fun traveling through time learning about famous artists and relating to their lifestyles and artistic styles, while applying their newly developed skills to create exciting artwork of their own that interprets each unique style of art which made significant shifts in the development of Art History.

*Not included in GPA.
Full Year; 1 MS credit*

ART 2D AND 3D MIDDLE SCHOOL (7-8)

Art 2D and 3D Middle School students develop technical skills and create 2D compositions using drawing and painting media such as acrylics, pastels, pencils, and watercolors. Students using such media as paper mache, wood, plaster, and recycled objects, students refine technical and manipulative skills to create 3D works. Students engage in activities that highlight the service-learning value of their art skills and submit their work to galleries, studios, and competitive/commissioned exhibitions.

*Prerequisite: Art 6
Not included in GPA.
Full year; 1 MS credit*

ART 2D AND 3D 1 (9-12)

Art 2D and 3D 1 is open to students who have already taken and passed Art 1 or its equivalent and have experience with various art media. The course develops the student's advanced competence and range of understanding in visual principles, material techniques, processes, and methods. Each student explores his or her own style of two-dimensional and three-dimensional design using advanced thought and problem-solving skills. The course begins with a two-dimensional or flat approach and then moves into a three-dimensional mode.

*Not included in GPA.
Full year; 1 credit*

ART 2D AND 3D 2 (10-12)

Art 2D and 3D 2 develops and refines technical skills learned in fundamental coursework of Art 2D and 3D 1. Students build on their skills to express individual ideas and talents at advanced levels to create sophisticated two-dimensional and three-dimensional compositions. Emphasis is placed on media requiring advanced techniques in drawing, painting, assemblage, and construction. Students engage in activities that highlight the service-learning value of their art skills and participate in submitting their work to galleries, studios, and competitive/commissioned exhibitions. Students maintain a digital journal of their work to build towards portfolio preparation.

*Prerequisite: Art 2D and 3D 1 or its equivalent
Not included in GPA.
Full year; 1 credit*

ART PORTFOLIO Honors (9-12)

Art Portfolio Honors begins with a brief review of all mediums, to ensure a solid foundation of advanced skills in every medium. Then, through guided sketchbook journaling, artists are encouraged to discover and identify their own artistic voice and learn how to use that voice to communicate through their art in a nonverbal way. Artists select a topic of their choosing about which they have strong viewpoints, beliefs, and feelings and must create six pieces of work that communicate and express their topic, using a mastery of skills in any chosen medium. Emphasis is put on daily in-depth sketchbook development with both verbal and visual entries.

*Prerequisite: Drawing and Painting 1 and 2; portfolio review with teacher recommendation
Full year; 1 credit*



CERAMICS MIDDLE SCHOOL (6-8)

Ceramics Middle School explores and develops a basic understanding of the manipulative quality of clay to create aesthetic forms or utilitarian products and structures. Students are introduced to studio skills and assigned projects emphasizing hand-built pottery techniques: pinch, slab, and coil. Students are exposed to the properties of clay, glazing methods, and firing practices. Coursework focuses on use of safety procedures for process, media, and techniques.

Elective may be repeated.

Not included in GPA.

Full year; 1 MS credit

CERAMICS 1 (9-12)

Ceramics 1 explores and develops a basic understanding of the manipulative quality of clay to create aesthetic forms or utilitarian products and structures. Students are introduced to studio skills and assigned projects emphasizing hand-built pottery techniques: pinch, slab, and coil. Students are exposed to the properties of clay, glazing methods, and firing practices. Coursework focuses on use of safety procedures for process, media, and techniques.

Not included in GPA.

Full year; 1 credit

CERAMICS 2 (10-12)

Ceramics 2 refines and expands technical skills learned in Ceramics 1. Students develop an advanced understanding of the use and manipulation of clay as an art medium. Through assigned studio projects, students construct specific forms utilizing hand-building techniques as well as wheel-throwing skills. Completed projects reflect a sophisticated understanding of glazes and kiln-firing.

Prerequisite: Ceramics 1; teacher recommendation

Not included in GPA.

Full year; 1 credit

DRAWING AND PAINTING MIDDLE SCHOOL (7-8)

Drawing and Painting Middle School is for students who have a serious desire to further develop their skills and talents in this field. This course focuses solely on creating two-dimensional artwork. The first half of the course is dedicated to the development of basic drawing skills, emphasizing shading and blending in creating contour and gesture line drawings. Students will work with materials like charcoal, Conté crayon, ink, pencil, and pastels. The second half of the course will focus on the development of basic painting skills, emphasizing layering, blending, color mixing, and basic brush techniques to create a balanced composition. Students will also experience working in other media, e.g., water-based acrylics, batique, and watercolor.

Prerequisite: Art 6

Not included in GPA.

Full year; 1 MS credit

DRAWING AND PAINTING 1 (9-12)

Drawing and Painting 1 is for students who are passionate about art and have a serious desire to further develop their skills and talents in this field. This course focuses solely on creating two-dimensional artwork. The first half of the course is dedicated to the development of basic drawing skills, emphasizing shading and blending in creating contour and gesture line drawings. Students will work with materials like charcoal, Conté crayon, ink, pencil, and pastels. The second half of the course will focus on the development of basic painting skills, emphasizing layering, blending, color mixing, and basic brush techniques to create a balanced composition. Students will also experience working in other media, e.g., water-based acrylics, batique, and watercolor.

Not included in GPA.

Full year; 1 credit



DRAWING AND PAINTING 2 (10-12)

Drawing and Painting 2 is for students who are passionate about art and have a serious desire to further develop their skills and talents in this field. This course builds upon the skills and techniques students have acquired through their participation in Drawing and Painting 1. Students are challenged to deepen and broaden their skills through instruction on more advanced techniques, including two-point perspective, foreshortening, figure drawing, and drawing from life as well as expressing personal ideas through art. The course provides the next step for any student contemplating Honors or AP Portfolio courses. Students have ongoing sketchbook assignments that are maintained in their personal sketchbook.

Prerequisite: Drawing and Painting 1; teacher recommendation

Not included in GPA.

Full year; 1 credit

STUDIO ART AP (11-12)

Studio Art AP is specifically designed for art students who desire to pursue art beyond high school. These students work intensely and independently all year, following the challenging guidelines from the AP College Board requiring them to create five finished pieces for their portfolio. Each piece must demonstrate a mastery of skill and be accompanied by a written submission that identifies the ideas behind the work and how the chosen materials help to support that idea. In addition, the students must also pursue a guided inquiry of their choosing and record their sustained investigation in 15 pieces of work that clearly demonstrate practice, experimentation, and revision as it relates to their inquiry. A thorough and well written submission to the sustained investigation is also required to support the work.

Prerequisites: grade of A- or higher in Art Portfolio Honors;

portfolio review with teacher recommendation

Full year; 1 credit

DANCE TECHNIQUE 1 MIDDLE SCHOOL (6-8)

Dance Technique 1 Middle School is an introductory level class that exposes students to the various principles involved in dance. Students will learn the importance of strength and conditioning, cardiovascular exercise, and maintenance for a healthy body. There is an emphasis on the sequencing of a balanced dance work out. Students will also be taught an introductory level of technique in ballet, jazz, contemporary, lyrical, ethnic, and hip hop. Students are required to attend and participate in technical work, rehearsals, and performances both during and beyond the school day.

Fulfills PE requirement for 6th and 7th grades

Uniform purchase required

Elective may be repeated.

Not included in GPA.

Full Year; 1 MS credit



DANCE TECHNIQUE 2 MIDDLE SCHOOL (6-8)

Dance Technique 2 Middle School, an intermediate level class, exposes students to the various principles involved in dance. Students learn technique in different dance genres including ballet, jazz, modern, contemporary, lyrical, ethnic, and hip hop at an intermediate level. They explore several choreographic approaches and acquire the necessary knowledge involved with performing. Students will also use basic dance and anatomical terminology to identify, respond to, and reflect on the components of a dance class. Students are required to attend and participate in technical work, rehearsals, and performances both during and beyond the school day.

Fulfills PE requirement for 6th and 7th grades

Prerequisite: teacher recommendation

Uniform purchase required

Elective may be repeated.

Not included in GPA.

Full year; 1 MS credit

DANCE TECHNIQUE (9-12)

Dance Technique is an introductory level class that exposes students to the various principles involved in dance, but with a focus on dance conditioning. Students will learn the importance of strength and conditioning, cardiovascular exercise, and maintenance for a healthy body. Instruction targets the sequencing of a balanced dance work out. Students also learn an introductory level of technique in ballet, jazz, contemporary, lyrical, ethnic, and hip-hop genres of dance. Students are required to attend and participate in technical work, rehearsals, and performances both during and beyond the school day.

Fulfills PE or Fine Art requirement

Uniform purchase required

Elective may be repeated.

Not included in GPA.

Full year; 1 credit

DANCE TEAM MIDDLE SCHOOL Honors (6-8)

Dance Team Middle School Honors exposes students to the various principles involved in dance. Students learn technique in different dance genres including ballet, jazz, modern, contemporary, lyrical, ethnic, and hip hop. They explore several choreographic approaches, and acquire the necessary knowledge involved with performing and competing. The Dance Team is taught a repertoire to perform throughout the year and is required to perform both on and off campus, and sometimes outside of school hours.

Prerequisite: audition required

Fulfills PE or Fine Art requirement

Uniform purchase & dance fee required

Elective may be repeated.

Full year; 1 MS credit

DANCE TEAM VARSITY Honors (9-12)

Dance Team Varsity Honors exposes students to the various principles involved in dance. Students learn technique in different dance genres including ballet, jazz, modern, contemporary, lyrical, ethnic and hip hop. They explore several choreographic approaches, and acquire the necessary knowledge involved with performing and competing. The Dance Team is taught a repertoire to perform throughout the year and is required to perform both on and off campus, sometimes outside of school hours.

Prerequisite: audition required

Fulfills PE or Fine Art requirement

Uniform purchase & dance fee required

Elective may be repeated.

Full year; 1 credit



PERFORMING ARTS (6-8)

Performing Arts introduces students to components of effective stage communication. Students learn to use their voices and body language in collaboration, theater games, and other activities. Students are exposed to all aspects of performing arts including improvisational performance, set design, prop creation, stage makeup, musical performance, and dance and mime. Through these activities students learn to express ideas and concepts in creative and functional ways. Students are required to attend and participate in technical work, rehearsals, and performances both during and beyond the school day.

Elective may be repeated.

Not included in GPA.

Full year; 1 MS credit

DRAMA 1 (9-12)

Drama 1 students learn the history of English drama, the basis of stage craft, and acting techniques. Using dramatic techniques, students develop poise, self-confidence, public speaking, and communication skills. This course creates a foundation for students who are interested in pursuing acting in the future. Students are required to attend and participate in technical work, rehearsals, and performances both during and beyond the school day.

Performing Arts in middle school or its equivalent recommended

Elective may be repeated.

Not included in GPA.

Full year; 1 credit

DRAMA 2 Honors (9-12)

Drama 2 Honors expands the student's expertise in theater arts. Students are involved in all aspects of production, including playwriting, set design, music incorporation, lighting, and direction. This course is a survey of dramatic literature exploring both modern and classical plays through the actualization of these works from text to stage. The student builds a basic understanding of the audition process by preparing audition monologues and developing audition techniques. Students culminate and demonstrate skills through performance projects and the management/coordination of cast and creative team members during rehearsal and performances. Students are required to attend and participate in technical work, rehearsals, and performances both during and beyond the school day.

Prerequisite: Drama 1 or teacher recommendation

Elective may be repeated.

Full year; 1 credit

PIANO MIDDLE SCHOOL (6-8)

Piano Middle School is a class for both beginning and developing pianists. This course focuses on the fundamentals of music literacy, theory, and performance. Through individualized lessons, students will perform a variety of songs and pieces ranging from classical etudes to modern pop songs. Students will also engage in weekly lectures on melody, harmony, and stylistic playing. Students are required to attend and participate in technical work, rehearsals, and performances both during and beyond the school day.

Elective may be repeated.

Not included in GPA.

Full year; 1 MS credit



PIANO (9-12)

Piano is a class for both beginning and developing pianists. This course focuses on the fundamentals of music literacy, theory, and performance. Through individualized lessons, students will perform a variety of songs and pieces ranging from classical etudes to modern pop songs. Students will also engage in weekly lectures on melody, harmony, and stylistic playing. Students are required to attend and participate in technical work, rehearsals, and performances both during and beyond the school day.

Elective may be repeated.

Not included in GPA.

Full year; 1 credit

BEGINNING BAND (6-8)

Beginning Band is a performance-based class for brass, woodwind, and percussion instruments. The course is for students learning an instrument for the first time. Topics covered will include note reading, basic instrumental technique, and practice skills. Students are expected to practice on a regular basis, preparing them for performances and working with other students. All instruments will be supplied by the students and can be purchased or rented. Students are required to attend and participate in technical work, rehearsals, and performances both during and beyond the school day.

No prior experience necessary

Elective may be repeated.

Not included in GPA.

Full year; 1 MS credit

SYMPHONIC BAND MIDDLE SCHOOL (6-8)

Symphonic Band Middle School is a performance-based course for brass, woodwind and percussion instruments. This course covers intermediate levels of music reading, instrument technique, and rehearsal skills. Students are expected to practice on a regular basis, preparing them for performances and working with other students. Additionally, students will have the opportunity to take part in District Solo and Ensemble Festivals and Honor Bands. Students are required to attend and participate in technical work, rehearsals, and performances both during and beyond the school day.

Prerequisite: audition or Beginning Band required

Elective may be repeated.

Not included in GPA.

Full year; 1 MS credit

SYMPHONIC BAND (9-12)

Symphonic Band is a performance-based course for brass, woodwind and percussion instruments. This course covers intermediate levels of music reading, instrument technique, and rehearsal skills. Students are expected to practice on a regular basis, preparing them for performances and working with other students. Additionally, students will have the opportunity to take part in District Solo and Ensemble Festivals and Honor Bands. Students are required to attend and participate in technical work, rehearsals, and performances both during and beyond the school day.

Prerequisite: audition or Beginning Band required

Elective may be repeated.

Not included in GPA.

Full year; 1 credit



CHAMBER SYMPHONY MIDDLE SCHOOL Honors (6-8)

Chamber Symphony Middle School Honors is a performance-based course for brass, woodwind and percussion instruments. This course covers advanced levels of music reading, instrument technique, and rehearsal skills. Students are required to practice on a regular basis, preparing them for performances and working with other students. Additionally, students are required to take part in District Solo and Ensemble Festivals and Honor Bands throughout the school year. Students are required to attend and participate in technical work, rehearsals, and performances both during and beyond the school day.

*Prerequisite: audition required
Elective may be repeated.
Full year; 1 MS credit*

CHAMBER SYMPHONY Honors (9-12)

Chamber Symphony Honors is a performance-based ensemble for brass, woodwind and percussion instruments. This course covers advanced levels of music reading, instrument technique and rehearsal skills. Students are required to practice on a regular basis, preparing them for performances and working with other students. Additionally, students are required to take part in District Solo and Ensemble Festivals and Honor Bands throughout the school year. Students are required to attend and participate in technical work, rehearsals, and performances both during and beyond the school day.

*Prerequisite: audition required
Elective may be repeated.
Full year; 1 credit*

JAZZ BAND Middle School (6-8)

Jazz Band Middle School requires that a student has basic proficiency with a jazz instrument, e.g., saxophone, trumpet, trombone, piano, guitar, string bass, or drums. Students study and perform different forms of music, including jazz, funk, blues, rock, and popular music. Through ensemble rehearsal, individual practice, and a variety of performance opportunities, the students gain an understanding and appreciation for this great art form. Emphasis is placed on rudimentary improvisational skills, musicianship and performance techniques, and the importance of personal commitment and responsibility for practice and growth in these skills. Students are required to attend and participate in technical work, rehearsals, and performances both during and beyond the school day.

*Prerequisite: audition required
Elective may be repeated.
Full year; 1 MS credit*



JAZZ BAND (9-12)

Jazz Band Middle School requires that a student has basic proficiency with a jazz instrument, e.g., saxophone, trumpet, trombone, piano, guitar, string bass, or drums. Students study and perform different forms of music, including jazz, funk, blues, rock, and popular music. Through ensemble rehearsal, individual practice, and a variety of performance opportunities, the students gain an understanding and appreciation for this great art form. Emphasis is placed on rudimentary improvisational skills, musicianship and performance techniques, and the importance of personal commitment and responsibility for practice and growth in these skills. Students are required to attend and participate in technical work, rehearsals, and performances both during and beyond the school day.

Prerequisite: audition required
Elective may be repeated.
Full year; 1 credit

BEGINNING CHORUS (6-8)

Beginning Chorus is a performance-based class for students to develop vocal skills and become proficient performers. Emphasis is placed on proper vocal techniques, music reading skills, and strengthening the ensemble. In this course, students are exposed to a diverse vocal literature from various genres and skill levels. Students are expected to participate in a number of performances throughout the school year, both on and off campus. In addition to group performances, students are encouraged to take part in State Solo and Ensemble Festivals held throughout the school year. Students are expected to devote time to individual practice, which strengthens the ensemble as a whole. Students must provide their own performance attire. Students are required to attend and participate in technical work, rehearsals, and performances both during and beyond the school day.

No prior experience necessary
Elective may be repeated.
Not included in GPA.
Full year; 1 MS credit

BULLDOG CHORUS (9-12)

Bulldog Chorus is a performance-based class for students to develop vocal skills and become proficient performers. Emphasis is placed on proper vocal techniques, music reading skills, and strengthening the ensemble. In this course, students are exposed to a diverse vocal literature from various genres and skill levels. Students are expected to participate in a number of performances throughout the school year, both on and off campus. In addition to group performances, students are encouraged to take part in State Solo and Ensemble Festivals held throughout the school year. Students are expected to devote time to individual practice, which strengthens the ensemble as a whole. Students must provide their own performance attire. Students are required to attend and participate in technical work, rehearsals, and performances both during and beyond the school day.

Prerequisite: Beginning Chorus or audition required
Elective may be repeated.
Not included in GPA.
Full year; 1 credit



BULLDOG CHORUS Honors (9-12)

Bulldog Chorus Honors is a performance-based class for students to develop vocal skills and become proficient performers. Emphasis is placed on proper vocal techniques, music reading skills, and strengthening the ensemble. In this course, students are exposed to diverse vocal literature from various genres and skill levels. Students are expected to participate in a number of performances throughout the school year, both on and off campus. In addition to group performances, Honors students are required to take part in private voice lessons, State Solo and Ensemble Festivals (or other solo opportunities) held throughout the school year, extra-curricular ensembles, and serving as leaders in the music program. Students are expected to devote time to individual practice, which strengthens the ensemble as a whole. Students must provide their own performance attire. Students are required to attend and participate in technical work, rehearsals, and performances both during and beyond the school day.

*Prerequisite: teacher recommendation
Elective may be repeated.
Full year; 1 credit*

SPEECH AND DEBATE Honors (9-12)

Speech and Debate Honors introduces and gradually refines a wide variety and range of public speaking skills required for communication and debate. Students conquer stage fright; practice different types of delivery methods; engage in extemporaneous, informative, and persuasive speaking; conduct mock debates; and learn original oratory speaking. The course engages students in current events and guides them to develop the logic of argumentation.

Full year; 1 credit

THEATER PRODUCTION Honors (9-12)

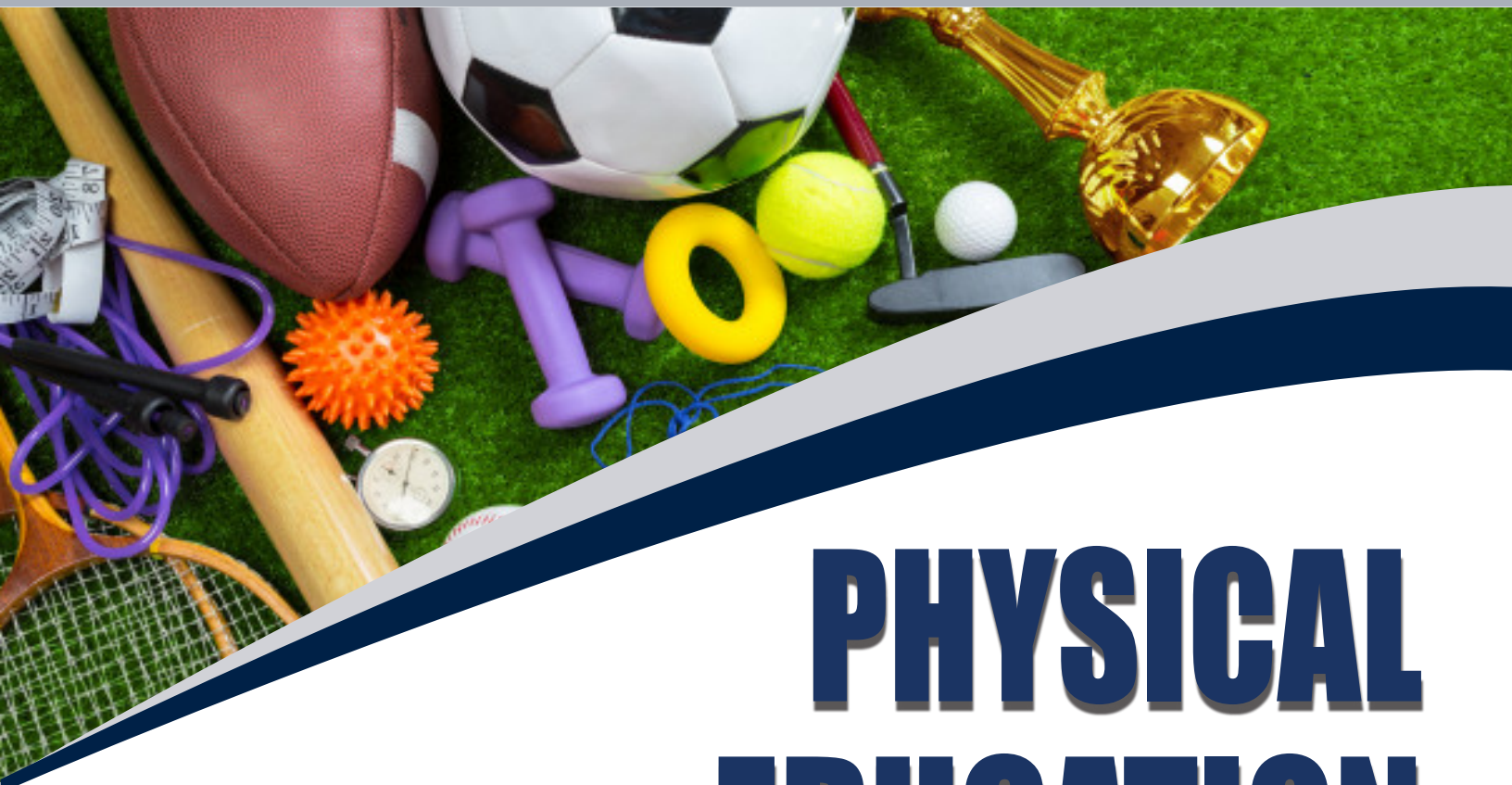
Theater Production Honors introduces students to the full array of elements that are essential for the effective production of theater. Students will be introduced to the use of light and sound in stage productions, including basing acoustics, sound mixing, microphone placement, color mixing, lighting ideas, ear training, and more. Students will also be introduced to methods and procedures for the design and construction of scenery, stage management, properties, make-up, and costumes for theatrical productions. Finally, students will have "hands-on" opportunities to experience and put into practice their theater studies through the live theater presentations on campus. Students are required to attend and participate in technical work, rehearsals, and performances both during and beyond the school day.

*Prerequisite: teacher recommendation
Elective may be repeated.
Full year; 1 credit*

MUSIC THEORY AP* (9-12)

Music Theory AP* is a challenging course designed for students interested in delving deeper into the fundamental elements of music. Students will learn to notate, construct, analyze, and perform by sight and by ear, as well as build skills in sight reading, sight singing, dictation, and score analysis. No instruments are required for this class, but students will learn to play basic piano and sing. The student's ability to read and write musical notation is crucial to this course. It is strongly recommended that students have previously acquired basic performance skills in voice or on an instrument.

*Prerequisite: teacher recommendation
Full year; 1 credit*



PHYSICAL EDUCATION

Riviera Preparatory School's Physical Education program is designed to promote overall physical fitness, provide a general knowledge of various team sports, and support holistic student development. The courses present various team sports, individual sports, recreational activities, and physical fitness activities while emphasizing an appreciation for and dedication to physical fitness. Students are offered components of volleyball, football, soccer, basketball, badminton, kickball, ultimate Frisbee, swimming, weight lifting, dance, yoga, personal fitness, and more. The curriculum includes specific rules, etiquette, sportsmanship, safety, strategy, offensive and defensive elements, conditioning activities, and physical assessments related to sports.



INTERSCHOLASTIC SPORTS

Fall Season

Boys:

MS & Varsity Cross Country
MS & Varsity Golf
MS & Varsity Swimming

Girls:

MS & Varsity Cross Country
MS & Varsity Dance Team
MS & Varsity Golf
MS & Varsity Swimming
MS, JV, & Varsity Volleyball

Winter Season

Boys:

MS, JV Varsity Basketball
MS & Varsity Soccer
Varsity Wrestling

Girls:

MS & Varsity Basketball
MS & Varsity Dance Team
MS & Varsity Soccer
Varsity Wrestling

Spring Season

Boys:

MS & Varsity Baseball
MS Lacrosse
MS & Varsity Tennis
MS & Varsity Track and Field
Varsity Volleyball
MS & Varsity Water Polo

Girls:

MS & Varsity Beach Volleyball
MS & Varsity Dance Team
MS & Varsity Tennis
MS & Varsity Track and Field
MS & Varsity Water Polo

JV & Varsity sports played in grades 9-12 may count for Physical Education Credit



PHYSICAL EDUCATION MIDDLE SCHOOL (6-8)

Physical Education Middle School presents various team sports, individual sports, recreational activities, and physical fitness activities while emphasizing an appreciation for and dedication to physical fitness. Curriculum includes specific rules, etiquette, sportsmanship, safety, strategy, offensive and defensive elements, conditioning activities, and physical assessments related to sports.

*Required in 6th and 7th grade
Elective may be repeated.
Not included in GPA.
Full year; 1 MS credit*

PHYSICAL EDUCATION (9-12)

Physical Education presents various team sports, individual sports, recreational activities, and physical fitness activities while emphasizing an appreciation for and dedication to physical fitness. Curriculum includes specific rules, etiquette, sportsmanship, safety, strategy, offensive and defensive elements, conditioning activities, and physical assessments related to sports.

*Elective may be repeated.
Not included in GPA.
Full year; 1 credit*

PHYSICAL FITNESS AND WEIGHT TRAINING (9-12)

Physical Fitness and Weight Training introduces students to the fundamentals and techniques of weight training and cardiovascular exercise. Emphasis is placed on developing muscle strength, muscle endurance, muscle tone, and flexibility. Students learn resistance exercises, phases of resistance training, and overall weight room safety and etiquette. In addition, they experience cardiovascular training and proper stretching techniques through exercise and sports competition. Throughout the course, each student's individualized personal weight training program and exercise regimen is monitored and adjusted to support the development of strength, agility, and overall physical fitness.

*Elective may be repeated.
Not included in GPA.
Full year; 1 credit*

SWIMMING MIDDLE SCHOOL (6-8)

Swimming Middle School develops a student's proficiency in basic swimming skills and enhances each student's ability to maintain safety both in and near the water. Skill refinement focuses on freestyle, backstroke, breaststroke, butterfly, and turns. Students also learn to provide non-interactive rescue tools for another swimmer in distress while sustaining personal buoyancy.

*Fulfills 6th and 7th grade PE requirement
Elective may be repeated.
Not included in GPA.
Full year; 1 MS credit*

SWIMMING (9-12)

Swimming develops a student's proficiency in basic swimming skills and enhances each student's ability to maintain safety both in and near the water. Skill refinement focuses on freestyle, backstroke, breaststroke, butterfly, and turns. Students also learn to provide non-interactive rescue tools for another swimmer in distress while sustaining personal buoyancy.

*Elective may be repeated.
Not included in GPA.
Full year; 1 credit*



TENNIS MIDDLE SCHOOL (6-8)

Tennis Middle School students train at the Riviera Tennis Center and have the opportunity to learn basic skills, form, strokes, and footwork from a certified tennis professional. With a 6:1 ratio, students focus on skill acquisition, rules, guidelines, and cognitive skills necessary for competitive and recreational participation. Students are grouped by level and experience. Throughout the semester, assessments are used to determine student progress. Clinics and lesson plans are progressive and are tailored to levels of play. Students must provide their own tennis racquets. Proper tennis shoes are required.

Fulfills 6th and 7th grade PE requirement

Elective may be repeated.

Not included in GPA.

Full year; 1 MS credit

TENNIS (9-12)

Tennis students train at the Riviera Tennis Center and have the opportunity to learn basic skills, form, strokes, and footwork from a certified tennis professional. With a 6:1 ratio, students focus on skill acquisition, rules, guidelines, and cognitive skills necessary for competitive and recreational participation. Students are grouped by level and experience. Throughout the semester, assessments are used to determine student progress. Clinics and lesson plans are progressive and are tailored to levels of play. Students must provide their own tennis racquets. Proper tennis shoes are required.

Elective may be repeated.

Not included in GPA.

Full year; 1 credit



BUSINESS PROGRAM

Riviera Preparatory has partnered with High School of Business to offer students a continually updated, challenging, and comprehensive business curriculum. High School of Business (HSB) is sponsored by the MBA Research and Curriculum Center and has developed a three to four year scaffolding business curriculum that instructs students through problem-based and project-based pedagogy. Students may elect to take the introductory course of Leadership and Wealth Management Honors before embarking on the required courses for the HSB program. All of the required business courses are offered at the honors level, culminating with a required business-based, observational internship of at least twenty hours in the senior year or the summer preceding. The program is designed to be flexible, enabling students to elect to take some of the courses, even if they are unable to complete the entire curriculum. Through this rigorous curriculum, Riviera will prepare its students to excel in college-level business administration programs as well as future business endeavors.



LEADERSHIP AND WEALTH MANAGEMENT Honors (9)

Leadership and Wealth Management Honors is designed to give students an introduction to understanding and developing skills in the areas of communication, emotional intelligence, operations, and professional development. Additionally, the course focuses on economic decision-making, time value of money, financial management, and types of investments. Throughout the course, students will identify, plan, and implement projects to reinforce learned concepts.

Full year; 1 credit

PRINCIPLES OF BUSINESS AND ECONOMICS Honors (10-12)

Principles of Business and Economics Honors is year one of the High School of Business program. This course is designed to develop a student's understanding of various types of business (retail, wholesale, etc.) as well as risk analysis, business operations, marketing, and product development. Students also expand their understanding of how businesses are influenced by external factors, consumer spending, government policies, and economic conditions. Throughout the course, students develop a business analysis report and conduct an environmental scan of the local business community.

Full year; 1 credit

PRINCIPLES OF MARKETING AND FINANCE Honors (11-12)

Principles of Marketing and Finance Honors is year two of the High School of Business program. This course develops a student's understanding and skills in the functional areas of channel management, marketing-information management, market planning, pricing, product/service management, promotion, and selling. Students acquire an understanding and appreciation of each of the marketing functions and their ethical and legal issues. The course also furthers students' understanding of accounting and finance practices through team activities and a corporate investment project. Students gain an understanding of financial statements, calculating financial ratios, and making corporate financial management decisions based on their analysis of financial data.

Prerequisite: Principles of Business and Economics Honors; teacher recommendation

Full year; 1 credit

PRINCIPLES OF MANAGEMENT AND BUSINESS STRATEGIES Honors (12)

Principles of Management and Business Strategies Honors is year three of the High School of Business program. This course implements individual and team activities focused on making connections between managerial styles and business success. Students acquire an understanding of legal and ethical issues associated with management. They delegate work, develop a chain of command, coordinate work efforts, and interpret statistical findings. The course also develops a student's understanding and skills in areas such as business law, entrepreneurship, financial analysis, human resources management, and strategic management. By planning, organizing, staffing, directing, leading, and controlling business activities, students acquire a realistic understanding of what is required to open and successfully run a business.

Prerequisite: Principles of Marketing and Finance Honors; teacher recommendation

Full year; 1 credit



STEM PROGRAMS

STEM (Science, Technology, Engineering, and Math) programs offer students hands-on, project-based experiences to engage students on multiple levels, expose them to unique areas of study, and provide them with a foundation and proven path to college and career success. We have partnered with Project Lead the Way (PLTW) for many of our STEM offerings, as PLTW is the leading provider of rigorous and innovative STEM education curricular programs used in schools. PLTW exists to prepare students for the global economy through its world-class curriculum, high quality professional development, and an engaged network of educators, students, universities, and professionals. PLTW's comprehensive curriculum has been collaboratively designed by PLTW teachers, university educators, engineering and biomedical professionals, and school administrators to promote critical thinking, creativity, innovation, and real-world problem-solving skills in students. More than 4,700 schools in all 50 states and the District of Columbia are currently offering PLTW courses to their students. For more details, go to www.pltw.org.



GATEWAY

The **PLTW Gateway** program is a strong foundation for further science, technology, engineering, and math (STEM) learning in high school and beyond, challenging students to solve real-world problems. Through topics like robotics, flight and space, and DNA and crime scene analysis, middle school students engage their natural curiosity and imagination in creative problem solving. Using the same advanced software and tools as those used by the world's leading companies, students learn to apply math, science, technology, and engineering to their everyday lives. The PLTW Gateway course of study is divided into eight independent, nine-week units; students may opt for one or two years of study, leading to any of our high school STEM courses of study. (Note: The Gateway courses are not required in order to enroll in high school STEM coursework.)

GATEWAY TO TECHNOLOGY 7 Honors (7)

Gateway to Technology 7 Honors is an intensive honors level course which requires creative and independent problem-solving skills. The two foundation units of Medical Detectives and Automation & Robotics introduce the students to the investigative, creative, and critical thinking skills to be applied in two of the six subsequent specialization units.

*Prerequisite: teacher recommendation
Full year; 1 MS credit*

GATEWAY TO TECHNOLOGY 8 Honors (8)

Gateway to Technology 8 Honors continues the PLTW specialization units drawing on hands on and creative problem-solving activities. Students use an interactive design process to explore computer science and coding and explore sustainable solutions to our energy and architectural needs.

*Prerequisite: teacher recommendation
Full year; 1 MS credit*



PATHWAY TO ENGINEERING

The **PLTW Pathway To Engineering (PTE)** program is a sequence of courses, which follows a proven hands-on, real-world problem-solving approach to learning. Throughout PTE, students learn and apply the design process, acquire strong teamwork and communication proficiency and develop organizational, critical-thinking, and problem-solving skills. They discover the answers to questions like how are things made and what processes go into creating products? Students use the same industry-leading 3D design software used by companies like Intel, Lockheed Martin and Pixar. They explore aerodynamics, astronautics and space life sciences. They design, test, and actually construct circuits and devices such as smart phones and tablets and work collaboratively on a culminating capstone project. It's STEM education at the heart of today's high-tech, high-skill global economy. PTE courses complement traditional mathematics and science courses.

The program is designed to prepare students to pursue a post-secondary education and careers in STEM-related fields.

INTRODUCTION TO ENGINEERING DESIGN (IED) Honors (9-12)

Introduction to Engineering Design (IED) Honors is designed for 9th and 10th grade students; the major focus of IED involves learning how to use 3D modeling as an effective mode of visual communication for three dimensional ideas and creations. Through hands-on projects, students apply engineering standards and document their work. Students will use industry standard 3D modeling software to help them design solutions for solving proposed problems, document their work using an engineer's notebook, and communicate solutions to peers and members of the professional community.

Prerequisite: teacher recommendation

Full year; 1 credit

CIVIL ENGINEERING AND ARCHITECTURE (CEA) Honors (10-12)

Civil Engineering and Architecture (CEA) Honors students learn about various aspects of civil engineering and architecture and apply their knowledge to the design and development of residential and commercial properties and structures. In addition, students use 3D design software to design and document solutions for major course projects. Students communicate and present solutions to their peers and members of a professional community of engineers and architects. This course is designed for 11th or 12th grade students.

Prerequisite: IED; teacher recommendation

Fulfills the Fine Art requirement

Full year; 1 credit

PRINCIPLES OF ENGINEERING (POE) Honors (11-12)

Principles of Engineering (POE) Honors is designed for 11th and 12th grade students. This survey course exposes students to major concepts they will encounter in a post-secondary engineering course of study. Topics include mechanisms, energy, statics, materials, and robotics (designing, building and programming robots using VEX). The course will help them learn to develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, document their work, and communicate solutions.

Prerequisite: IED, CEA; teacher recommendation

Full year; 1 credit

ENGINEERING DESIGN AND DEVELOPMENT (EDD) Honors (12)

Engineering Design and Development (EDD) Honors is the capstone course in which students work in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process. Students perform research to choose, validate, and justify a technical problem. After carefully defining the problem, teams design, build, and test their solutions while working closely with industry professionals who provide mentoring opportunities. Finally, student teams present and defend their original solution to an outside panel. This course is appropriate for 12th grade students.

Prerequisite: IED, CEA, POE; teacher recommendation

Full year; 1 credit



ARCHITECTURE

ARCHITECTURE 1 (9-12)

Architecture 1 is generally organized in a studio setting with one day a week dedicated to architectural history. During studio days, students are exposed to all areas of the architectural profession including technical and manual skills such as sketching, manual drafting, model making, and 3D Computer Assisted Design (CAD). Throughout the first semester, each student is assigned bi-weekly design exercises geared toward demonstrating the techniques used in class. The first semester of study culminates with a collaborative group study model and with an individual design project that involves independent study and research. Term projects are presented before a panel of professionals who evaluate and rate each student's presentation. In the second semester, students are exposed in greater depth to actual construction through site visits and numerous design problem assignments, culminating with two main projects. Each exercise is graded on accuracy, quality of work, use of architectural technique, and presentation.

Fulfills the fine art requirement

Not included in GPA.

Full year; 1 credit



BIOMEDICAL SCIENCES

The **PLTW Biomedical Sciences (BMS)** Program is a sequence of courses which follows a proven hands-on, real-world problem-solving approach to learning. Students explore the concepts of human medicine and are introduced to topics such as physiology, genetics, microbiology and public health. Through activities, like dissecting a heart, students examine the processes, structures, and interactions of the human body – often playing the role of biomedical professionals. They also explore the prevention, diagnosis, and treatment of disease, working collaboratively to investigate and design innovative solutions to the health challenges of the 21st century such as fighting cancer with nanotechnology. Throughout BMS, students acquire strong teamwork and communication practices, and develop organizational, critical-thinking, and problem-solving skills. Along the way students investigate a variety of careers in biomedical sciences. The program is designed to prepare students to pursue a post-secondary education and careers in the biomedical sciences.

PRINCIPLES OF BIOMEDICAL SCIENCES (PBS) Honors (9-12)

Principles of Biomedical Science (PBS) Honors students investigate various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. Students determine the factors that led to the death of a fictional person, and investigate lifestyle choices and medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, medicine, and research processes. This course provides an overview of all the courses in the Biomedical Sciences program and lays the scientific foundation for subsequent courses. This course is designed for 9th or 10th grade students.

Prerequisite: teacher recommendation

Full year; 1 credit

HUMAN BODY SYSTEMS (HBS) Honors (10-12)

Human Body Systems (HBS) Honors students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a human anatomy model and work through interesting real-world cases and often play the roles of biomedical professionals to solve medical mysteries.

Prerequisite: PBS; teacher recommendation

Full year; 1 credit

MEDICAL INTERVENTIONS (MI) Honors (11-12)

Medical Interventions (MI) Honors students investigate a variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the life of a fictitious family. The course is a “How-To” manual for maintaining overall health and homeostasis in the body. Students explore how to prevent and fight infection; screen and evaluate the code in human DNA; prevent, diagnose and treat cancer; and prevail when the organs of the body begin to fail. Through these scenarios, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. This course is designed for 11th or 12th grade students.

Prerequisite: PBS, HBS; teacher recommendation

Full year; 1 credit

BIOMEDICAL INNOVATION (BI) Honors (12)

Biomedical Innovation (BI) Honors students design innovative solutions for the health challenges of the 21st century. They work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. They have the opportunity to work on an independent project with a mentor or advisor from a university, hospital, research institution, or the biomedical industry. Throughout the course, students are expected to present their work to an audience of STEM professionals.

Prerequisite: PBS, HBS, MI; teacher recommendation

Full year; 1 credit



COMPUTER SCIENCE

The **Computer Science** program of study engages high school students in computational thinking. This program comprises introductory, foundation, and specialty courses. The emerging course of study begins with Introduction to Computer Science (ICS) and is followed by two Advanced Placement courses: Computer Science Principles (CSP) and Computer Science A (CSA). All significant computer science courses build upon a foundation of mathematical reasoning that should be acquired before attempting such a course. A variety of specialty courses and a capstone course complete content for the program.

INTRODUCTION TO COMPUTER SCIENCE (ICS) Honors (9-12)

Introduction to Computer Science Honors addresses programming, physical computing, HTML/CSS, digital data, artificial intelligence, and machine learning. Students create authentic artifacts and engage with computer science as a medium for creativity, communication, problem solving, and fun. Web development, animations and games, the design process, data analysis, and programming skills and hardware are introduced in a developmental and sequential approach.

*Prerequisite: science and math teacher recommendation
Full year; 1 credit*

COMPUTER SCIENCE PRINCIPLES (CSP) AP* (10-12)

Computer Science Principles AP is a college-level computer science course. Students learn about computer innovations as well as the collaborative processes used to design, build, and test applications. They also learn how computers consume and use data, algorithms, computing systems and networks, internet protocols, and the impact of computing, including privacy and security. Students learn basic programming constructs such as variables, boolean expressions, conditionals, functions, lists, and loops. Students design and build an original application.

*Prerequisite: grade of B- or higher in ICS; computer science and math teacher recommendation
Full year; 1 credit*

COMPUTER SCIENCE A (CSA) AP* (11-12)

Computer Science A is a college-level computer science course. Students master object-oriented programming concepts such as designing and writing classes and methods, encapsulation, polymorphism, inheritance, and recursion. They attain mastery of core Java programming constructs such as java primitive types, boolean expressions, iteration, arrays, ArrayLists, and objects. Students analyze, design, and code solutions and algorithms in response to written requirements.

*Prerequisite: grade of A- or higher in ICS and CSP; computer science and math teacher recommendation
Full year; 1 credit*



TECHNOLOGY

We live in an age when technology progresses at exponential speed. Riviera is committed to giving our students opportunities to keep abreast with this growth of technology through quality, technological, course offerings. Our courses include developing an introductory level of competency in numerous computer applications, e.g., Word, Excel, PowerPoint, etc. There is also the opportunity to learn the most up to date technology in the field of publishing, both print media and online publishing. Other courses address the latest technological advancements in the field of broadcast journalism, through the writing, research, field-reporting, interviewing, on-camera delivery, and editing so necessary for accurate journalistic reporting. Finally, there are courses for those who may wish to delve deeper into the technology of computers, including addressing the needs of beginning students, as well as those more advanced students seeking education in computer programming and software engineering.

BROADCAST JOURNALISM 1 (9-12)

Broadcast Journalism 1 provides an introduction to broadcast news media. The course immerses students in all aspects of broadcast journalism, including writing, research, field reporting, interviewing, on-camera delivery, and editing. Students explore different types of news stories and learn to effectively execute the school's announcements. At the end of the year, students compile an online portfolio representing their best work from the course. This performance-based course is writing and public speaking intensive.

Prerequisite: English teacher recommendation

Fulfills the fine art requirement

Not included in GPA.

Full year; 1 credit

BROADCAST JOURNALISM Honors (10-12)

Broadcast Journalism Honors takes students through the process of creating non-fiction TV programming. Students strengthen the skills they learned in Broadcast Journalism 1, (using cameras, sound recording equipment, and editing software) and apply those skills to several short productions. Students have the opportunity to produce commercial advertisements, news packages, talk shows, reality programs, blogs, and documentaries. Particular emphasis is placed on creating a concept, writing a proposal, casting a program, and developing a marketing rationale. Students become acquainted with various careers in journalistic fields.

Prerequisite: Broadcast Journalism 1; teacher recommendation

Fulfills the fine art requirement

Elective may be repeated.

Full year; 1 credit

MULTIMEDIA JOURNALISM HONORS (9-12)

Multimedia Journalism Honors is a year-long elective devoted to the publication of the student news website. The course enables students to develop basic skills in the production of digital journalistic media and in the fundamental skills of oral and visual communication, including project management, research, public speaking, organization, publishing, and marketing. Students will gain experience in writing, photography, broadcast, graphic design, layout design, and web design by covering school-related news, feature stories, social issues, arts and culture, and sporting events that take place on and off campus and within Riviera schools and the local community. In addition, students will use high-quality equipment and applications such as DSLR cameras, Adobe InDesign, Adobe Photoshop, and Canva to produce content. Please note, students selecting this class will have assignments and work that are outside of the scheduled class time.

Prerequisites: grade of B+ or higher in English class; application required and teacher recommendation

Fulfills the fine art requirement

Elective may be repeated.

Full year; 1 credit



YEARBOOK JOURNALISM Honors (9-12)

Yearbook Journalism Honors students design and produce the yearbook. It provides students with marketable experience in print media publishing and online publishing. Activities include interviewing, feature writing, magazine layout, photo editing, sales design, advertising, and all elements of computerized text layout, graphic art, and digital photography. The class works closely with Creative Writing and/or Journalism students in their production of the yearbook and other school publications.

*Prerequisite: 1 teacher recommendation
Fulfills the fine art requirement
Elective may be repeated.
Full year; 1 credit*

COMPUTER APPLICATIONS (7)

Computer Applications prepares students to work with Microsoft Office in an academic and professional setting and for personal use. Using courseware that incorporates an accelerated, step-by-step, project-based approach, students develop an introductory level competency in Word, Excel, Access, OneNote, and PowerPoint. They also acquire necessary keyboarding skills and explore features of Windows and various emerging internet technologies. In addition, students develop an understanding of key ethical issues they face in the context of using information technology.

*Required in 7th grade
Paired with Writing Workshop 2
Not included in GPA.
½ year; ½ MS credit*



CURRICULUM ENRICHMENT & SUPPORT

Enrichment and support courses designed to enhance our already rigorous curriculum by providing the skills necessary for students to succeed in all academic areas. Explicit instruction in areas such as Academic Coaching, Study Skills, Research and Media, Computer Applications, Critical Thinking, and Writing serves to develop skills students will need across the curriculum beginning in middle school and continuing into college and careers. We are developing well rounded individuals who will excel at the college level and beyond.



ACADEMIC COACHING Middle School (6-8)

Academic Coaching Middle School provides students with direct instruction and guided practice in the development of study strategies and executive functioning skills. The class curriculum emphasizes the exploration of different methods, tools, and resources for studying, as well as the identification and practice of learning styles. The class also focuses on the understanding and use of executive functioning skills, including the importance of planning, organization, time management, goal setting, metacognition, memory, and self-regulation. Students use their assignments and assessments from their courses, in addition to specific Academic Coaching assignments, as tools to learn these skills. The Academic Coaching teacher also works directly with the students' teachers as needed to ensure their academic responsibilities are achieved.

Prerequisite: administrative recommendation

Extra fee required.

Elective may be repeated.

Not included in GPA.

Full year; no credit

ACADEMIC COACHING (9-12)

Academic Coaching provides students with direct instruction and guided practice in the development of study strategies and executive functioning skills. The class curriculum emphasizes the exploration of different methods, tools, and resources for studying, as well as the identification and practice of learning styles. The class also focuses on the understanding and use of executive functioning skills, including the importance of planning, organization, time management, goal setting, metacognition, memory, and self-regulation. Students use their assignments and assessments from their courses, in addition to specific Academic Coaching assignments, as tools to learn these skills. The Academic Coaching teacher also works directly with the students' teachers as needed to ensure their academic responsibilities are achieved.

Prerequisite: administrative recommendation

Extra fee required.

Elective may be repeated.

Not included in GPA.

Full year; no credit

CRITICAL THINKING FOR SAT/ACT PREP (11)

Critical Thinking for SAT/ACT Prep prepares students for optimal performance on college entrance exams. Students are presented with a review of the specific mathematical and verbal skills measured on both tests. Students also complete and review their progress on multiple full length practice SAT and ACT exams to ensure efficient test taking strategies in a timed testing environment. In addition, students review the requirements for both SAT and ACT timed essays. During the course, our college counselors will lead the students in an informed examination of college opportunities and guide students in general college planning. (Counselors will continue to meet with students individually and engage in each of their personalized college planning.)

Required in 11th grade

Not included in GPA.

Full year; 1 credit

STUDY SKILLS (6)

Study Skills enables students to develop metacognitive awareness, learning strategies, critical-thinking skills, and problem-solving skills to enhance their performance in both academic and nonacademic endeavors. Activities address time management and organizational skills; memory skills for acquiring, storing, and retrieving information; test-taking skills and strategies for linking new information with prior knowledge; various note-taking strategies; successful oral and written communication; and effective integration of creativity and logical reasoning in completing projects and tasks. Students also become familiar with organization and integration of tablets as they study.

Required in 6th grade

Paired with Writing Workshop 1

Not included in GPA.

½ year; ½ MS credit



WRITING WORKSHOP 1 (6)

Writing Workshop 1 provides an integrated and sequential approach to the introduction and reinforcement of word study skills, grammar, and composition skills. The course specifically addresses grammar, usage, and syntax of standard written English. In coordination with the 6th grade Language Arts curriculum, the course addresses the five writing standards identified in research as integral to developmental growth in the complexity of knowledge, skills, and strategies to be expected for college readiness: (1) rhetorical analysis and planning; (2) generating content; (3) drafting; (4) evaluating and revising texts; and (5) editing to present technically-sound texts. These fundamental skills in written communication are developed incrementally in middle school and further refined in high school courses.

*Required in 6th grade
Paired with Study Skills
½ year; ½ MS credit*

WRITING WORKSHOP 2 (7)

Writing Workshop 2 continues the integrated and sequential approach to the expansion and reinforcement of word study skills, grammar, and composition skills. The course expands the students' knowledge of roots, prefixes, and suffixes as well as grammar, usage, and syntax of standard written English. In coordination with the 7th grade Language Arts curriculum, the course continues emphasis on the five writing standards identified in research as integral to developmental growth in the complexity of knowledge, skills, and strategies to be expected for college readiness: (1) rhetorical analysis and planning; (2) generating content; (3) drafting; (4) evaluating and revising texts; and (5) editing to present technically-sound texts. These fundamental skills in written communication are developed incrementally in middle school and further refined in high school courses.

*Required in 7th grade
Paired with Computer Applications
½ year; ½ MS credit*

WRITING WORKSHOP 3 (8)

Writing Workshop 3 provides an integrated and sequential approach to the teaching and reinforcement of grammar and composition skills, focusing on using connectives logically and forcefully. Grammar nomenclature is simplified through the use of visual punctuation rules. Emphasis is placed on the purpose of the connective used to show logical relationship between ideas. Through a sequential sentence-combining approach, students learn to recognize and apply visual rules for combining ideas and using coordination and subordination appropriately. After mastering a series of skill builders for each type of connective, students write their own responses to questions based upon readings from various sources. Students further develop their skills in coordination and subordination of ideas as they write formal extended responses to questions. Assessments include a pre-test, skill building exercises, formative evaluating exercises, and a summative post-test.

*Required in 8th grade
Paired with Writing Workshop 4
½ year; ½ MS credit*

WRITING WORKSHOP 4 (8)

Writing Workshop 4 uses a three-pronged approach in developing analytical skills to enhance written communication. Students learn paragraph and multi-paragraph structures based on the sentence skills mastered in Writing Workshop 3. Students simultaneously reinforce standard English grammar skills.

*Required in 8th grade
Paired with Writing Workshop 3
½ year; ½ MS credit*



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