River City Science Academy

Course
Catalog
2025-2026

7565 Beach Blvd
Jacksonville, FL 32216
www.rivercityscience.org

Table of Contents

Choosing your courses:

1. Study the courses in the course catalog and go over possible choices with your teachers and parents before you fill out your course selection.
2. Write down any questions you have for your teachers and counselor.
3. Every effort is made to give you your top choices; however, if there is a scheduling conflict, alternate course selections must be made. If you do not choose alternate courses, they may be selected for you.

Course Cancellation

- River City Science Academy reserves the right to cancel any course due to insufficient enrollment, teacher availability and/or district funding.

Schedule Changes

- The course selection process takes place each spring. The process includes input from students, parents, teachers, counselors, and administrators. The school's master schedule is built and new staff is hired based on the registration and course selection. Students are expected to honor their committments and to attend and complete the courses for which they register during the registration period. Student initiated requests for schedule changes must be made during the first week of the fall semester. All corrections regarding the spring semester must be made before the spring semester starts. Student schedule change request will only be considered for the following reasons;
    - The student has previously earned credit for the scheduled course.
    - The student has not yet taken the prerequisite required for a scheduled course.
    - There is another course needed to stay on track toward fulfilling graduation requirements.
    - Administrative action becomes necessary because of imbalance of class loads, loss of a teacher unit, unique or unforeseen circumstances.
    - Note: There will be NO changes made to accommodate teacher preference and academics will not be moved to accommodate electives.

Honor Courses

- Honors Courses are developed locally by high school teachers to help meet the needs of accelerated students. Honors courses meet the same curriculum requirements as standard courses but are more challenging. Honors courses are faster paced and cover topics more in-depth. However, these courses are not considered to be equivalent to college-level work and will not earn you college credit.

SAT, ACT, and CLT

- Registration for the SAT, ACT, and CLT are done online. Please contact the guidance office for additional information.
- SAT Registration www.collegeboard.org
- ACT Registration www.actstudent.org
- CLT Registration www.cltexam.com

Achievement Levels

- Courses at River City Science Academy are provided for each student's developmental level. A multi-level structure has been established to provide for these differences to to provide for individualized instruction. Teachers may make a recommendation for a particular level. In most cases the final decision concerning course selection rests with the student and parents.
- However, honors, dual-enrollment, and Advanced Placement courses are designed for the highly motivated and focused student with above average achievement. River City Science Academy practices an open enrollment policy and encourses students to participate in rigorous, college prepatary courses.

Dual Enrollment Courses (FSCJ/Doral College)

- Dual-enrollment courses are college level courses for which a student may earn both college credit and high school credit.
- In order to take one or more dual enrollment courses, a student must meet the following requirements:
    - Have an un-weighted GPA of a 3.0 or higher.
    - Have an acceptable score (as determined by FSCJ) on either the SAT, ACT, or Post-Secondary Education Readiness Test (PERT). If a student does not have an SAT or ACT score when registering, he/she will be required to take the PERT.
    - Be academically motivated to accept the challenge of college level work. Students interested in taking dual-enrollment courses must work closely with their high school counselor and the dual- enrollment coordinator at FSCJ to plan their schedule accordingly.

Advanced Placement (AP Courses)

- AP Courses are taught at a college level and each course is concluded by a comprehensive exam created by the College Board. Students who enroll in an Advanced Placement course are required to take the AP Exam. In general, postsecondary credit for an AP Courses may be awarded to students who score a minimum of a 3 on a 5-point scale on the corresponding AP exam; however, qualifying scores may vary by university.

Grading Scale

- The following is the current grading scale for Duval County Schools for Grades 9-12:
  - A 90-100
  - B 80-89
  - C 70-79
  - D 60-69
  - F 0-59

- Students receive a letter grade for each nine-week grading period. The grade for the district-administered end of course exam (EOC) is factored into the final grade for each semester.
- Report cards are sent home four times each school year at the end of each nine-week grading period. Progress reports are issued at the mid-point of each grading period.

Weighted Courses

- All classes designated Honors, Advanced Placement, or Dual Enrollment will receive weighted grades according to the following grading scale:

Letter Grade	Quality Points
A	5
B	4
C	3
D	1
F*	0*

- Weighted credit is not applied to a grade of F.

PSAT

- The Preliminary Scholastic Aptitude Test (PSAT) is administered each October and may be administered to 9th, 10th, and 11th grade students.
- Students who take the examination during their junior year are eligible to enter the National Merit Scholar Competition based on their test score.
  - Students can be recognized as semi-finalists, finalists, and/or National Merit Scholars.
- Students who become National Merit Scholars are often eligible for scholarships from both the National Merit organization and/or their post-secondary institution

National Honor Society

- National Honor Society is a national academic honor club. Students are selected as second semester sophomores, juniors, and seniors. The basis for selection includes an unweighted 3.5 or higher cumulative grade point average, community service, character, and leadership. A student's activity in other school organizations is also considered in the selection process. For more information, contact the faculty sponsor.

Bright Futures Scholarship Program

- The Florida Bright Futures Scholarship program consists of three scholarships funded through lottery dollars and awarded to eligible Florida high school graduates planning on continuing their education at any eligible Florida post-secondary institution. Your guidance counselor can provide you with information and requirements for each scholarship award. You can also visit the Bright Futures website at: http://www.floridastudentfinancialaid.org/ssfad/bf/fasrequire.htm

Florida Virtual School (FLVS)

- Students have the opportunity to earn credit through the online Florida Virtual School. Students must be self-motivated and task oriented in order to successfully complete this type of course. Visit the website at www.flvs.net for course and enrollment information. Once a student has enrolled and determined the course that they would like to take they will need to meet with their school counselor at ACHS. Counselor approval is required to complete the registration process for FLVS.

Graduation Requirements

	24 Credit Standard Diploma Program of Study A,H, B*	
EN	**4 credits**	
MA	**2012-2013 ninth grade entry year or before**	**2013-2014 ninth grade entry year and thereafter**
	4 credits • Algebra I, • Geometry • Algebra 2 • +1	**4 credits** • Algebra I, • Geometry • +2
SC	**3 credits** • 1 Biology • 2 sciences	
SS	**3 credits** • 1 world history • 1 US History • ½ Am Gov't • ½ Econ	
WL	**2 credits** must be in the same world language	
PF	**1 credit**	
PE	1 **credit** H.O.P.E.	
EL	**6 credits**	
Total	**24 credits**	
TESTS (Passing Scores)	**2012-2013 ninth grade entry year or before** FCAT 2.0 (grade 10) Reading FCAT Math OR Algebra 1 EOC* *based on ninth grade entry year	**2013-2014 ninth grade entry year and thereafter** State Reading Assessment Algebra 1 EOC
GPA	**2.0**	

English Language Arts

English 1	**1001310**
Grade Level (9th Grade)	Credit: 1
Prerequisites: None	CPALMs Course Description

This course defines what students should understand and be able to do by the end of 9th grade. Knowledge acquisition should be the primary purpose of any reading approach as the systematic building of a wide range of knowledge across domains is a prerequisite to higher literacy. At this grade level, students are working with universal themes and archetypes. They are also continuing to build their facility with rhetoric, the craft of using language in writing and speaking, using classic literature, essays, and speeches as mentor texts.

The benchmarks in this course are mastery goals that students are expected to attain by the end of the year. To build mastery, students will continue to review and apply earlier grade-level benchmarks and expectations.

Pre-Advanced Placement English 1	**1001415**
Grade Level (9th Grade)	Credit: 1
Prerequisites: 3, 4, or 5 on 8th Grade ELA PM3	CPALMs Course Description

Pre-AP English 1 focuses on reading, writing, and language skills that are relevant to students' current work and essential for students' future to future high school and college coursework.

Texts take center stage, preparing students for close, critical reading and analytical writing. The course trains readers to observe small details in a text to arrive at a deeper understanding of the whole. It also trains writers to create complex sentences—building this foundational skill en route to sophisticated, longer-form analyses.

English 2	**1001340**
Grade Level (10th Grade)	Credit: 1
Prerequisites: English 1	CPALMs Course Description

This course defines what students should understand and be able to do by the end of 10th grade. Knowledge acquisition should be the primary purpose of any reading approach as the systematic building of a wide range of knowledge across domains is a prerequisite to higher literacy. At this grade level, students are working with universal themes and archetypes. They are also continuing to build their facility with rhetoric, the craft of using language in writing and speaking, using classic literature, essays, and speeches as mentor texts.

The benchmarks in this course are mastery goals that students are expected to attain by the end of the year. To build mastery, students will continue to review and apply earlier grade-level benchmarks and expectations.

Pre-Advanced Placement English 2	**1001416**
Grade Level (10th Grade)	Credit: 1
Prerequisites: 4 or 5 on 9th Grade ELA PM3, English 1	CPALMs Course Description

Pre-AP English 2 builds on the foundations of Pre-AP English 1. While English 1 introduces the fundamentals of close observation, critical analysis, and the appreciation of author's craft, English 2 requires students to apply those practices to a new array of nonfiction and literary texts.

As readers, students become aware of how poets, playwrights, novelists, and writers of nonfiction manipulate language to serve their purposes. As writers, students compose more nuanced analytical essays while never losing sight of craft and cohesion.

English 3	**1001370**
Grade Level (11th Grade)	Credit: 1
Prerequisites: English 2	CPALMs Course Description

This course defines what students should understand and be able to do by the end of 11th grade. Knowledge acquisition should be the primary purpose of any reading approach as the systematic building of a wide range of knowledge across domains is a prerequisite to higher literacy. At this grade level, students are working with universal themes and archetypes. They are also continuing to build their facility with rhetoric, the craft of using language in writing and speaking, using classic literature, essays, and speeches as mentor texts.

The benchmarks in this course are mastery goals that students are expected to attain by the end of the year. To build mastery, students will continue to review and apply earlier grade-level benchmarks and expectations.

Advanced Placement English Language and Composition	**1001420**
Grade Level (11th Grade) (English 3 Equivalent)	Credit: 1
Prerequisites: English 2 Honors	CPALMs Course Description

CollegeBoard Course Description

AP English Language and Composition is an introductory college-level composition course. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like rhetorical situation, claims and evidence, reasoning and organization, and style.

English 4	**1001400**
Grade Level (11th Grade)	Credit: 1
Prerequisites: English 3	CPALMs Course Description

This course defines what students should understand and be able to do by the end of 12th grade. Knowledge acquisition should be the primary purpose of any reading approach as the systematic building of a wide range of knowledge across domains is a prerequisite to higher literacy. At this grade level, students are working with universal themes and archetypes. They are also continuing to build their facility with rhetoric, the craft of using language in writing and speaking, using classic literature, essays, and speeches as mentor texts.

The benchmarks in this course are mastery goals that students are expected to attain by the end of the year. To build mastery, students will continue to review and apply earlier grade-level benchmarks and expectations.

Advanced Placement English Literature and Composition	**1001430**
Grade Level (12th Grade) (English 4 Equivalent)	Credit: 1
Prerequisites: English 3	CPALMs Course Description

CollegeBoard Course Description

AP English Literature and Composition is an introductory college-level literary analysis course. Students cultivate their understanding of literature through reading and analyzing texts as they explore concepts like character, setting, structure, perspective, figurative language, and literary analysis in the context of literary works.

Intensive Reading (1-4)	**1000412, 1000414, 1000416, 1000418**
Grade Level (9th - 12th Grade)	Credit: 1
Prerequisites: None	CPALMs Course Description

Intensive Reading provides comprehensive instruction and practice using reading skills and strategies. Students explore high-interest fiction and informative texts as they build stamina and reading ability. Extensive opportunities are provided for individualized instruction from a highly-qualified reading instructor.

Intensive reading is offered only as elective credit and does not replace the required English course.

Intensive Reading is required for students scoring a Level 1 or 2 on ELA FAST PM3

Social Sciences

African-American History	**2100335**
Grade Level (9th Grade)	Credit: .5
Prerequisites: None	CPALMs Course Description
This course consists of the following content area strands: World History, United States History, Geography, Humanities, Civics and Government. The primary content emphasis for this course pertains to the study of the chronological development of African-Americans by examining the political, economic, social, religious, military and cultural events that affected the cultural group. Content will include, but is not limited to, West African heritage, the Middle Passage and Triangular Trade, the African Diaspora, significant turning points and trends in the development of African-American culture and institutions, enslavement and emancipation, the Abolition, Black Nationalist, and Civil Rights movements, major historical figures and events in African-American history, and contemporary African-American affairs.	

Holocaust History	**2109430**
Grade Level (9th Grade)	Credit: .5
Prerequisites: None	CPALMs Course Description
The grade 9-12 Holocaust course consists of the following content area strands: American History, World History, Geography, Humanities, Civics and Government. The primary content emphasis for this course pertains to the examination of the events of the Holocaust (1933-1945), the systematic, methodically planned, and annihilation of European Jews. Students will explain the effect Nazi policies had on other groups targeted by the government of Nazi Germany. Students will analyze the circumstances from the end of the First World War, the effects of the Treaty of Versailles, the duration of the Weimar Republic and Hitler's rise to and consolidation of power. Students will explore the pseudoscientific and eugenic roots of Nazi ideology, the development of anti-Jewish policies and the Nazi propaganda campaign. Content will include, but is not limited to, understanding Jewish history, an investigation of human behavior in the lead up and duration of the Holocaust, the Nazi creation of ghettos for European Jews, experiences of Jews in hiding, deportations to concentration/death camps and the eventual liberation or liquidation of the camps. There will be an examination of historical and modern-day antisemitism in all its forms, and the understanding of the ramifications of antisemitism. This course will also emphasize the resilience of the Jewish people.	

World History	**2109310**
Grade Level (10th Grade)	Credit: 1
Prerequisites: None	CPALMs Course Description
The grade 9-12 World History course consists of the following content area strands: World History, Geography and Humanities. This course is a continued in-depth study of the history of civilizations and societies from the middle school course, and includes the history of civilizations and societies of North and South America. Students will be exposed to historical periods leading to the beginning of the 21st Century. So that students can clearly see the relationship between cause and effect in historical events, students should have the opportunity to review those fundamental ideas and events from ancient and classical civilizations.	

Pre-Advanced Placement World History and Geography	**2109415**
Grade Level (10th Grade)	Credit: 1
Prerequisites: None	CPALMs Course Description

CollegeBoard Course Description

The Pre-AP World History and Geography areas of focus prioritize the skills fundamental to the study of history and geography in high school, AP, and beyond. This gives students multiple opportunities to think and work like historians and geographers as they develop and strengthen these disciplinary reasoning skills throughout their education in history and the social sciences.

Advanced Placement World History: Modern	**2109420**
Grade Level (10th Grade)	Credit: 1
Prerequisites: AP Human Geography (Recommended)	CPALMs Course Description

CollegeBoard Course Description

AP World History: Modern is an introductory college-level modern world history course. Students cultivate their understanding of world history from c. 1200 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

United States History Honors	**2100320**
Grade Level (11th Grade)	Credit: 1
Prerequisites: None	CPALMs Course Description

United States History (U.S. History) 9-12 Course - The grade 9-12 United States History course consists of the following content area strands: United States History, Geography, and Humanities. The primary content emphasis for this course pertains to the study of United States history from Reconstruction to the present day. Students will be exposed to the historical, geographic, political, economic, and sociological events which influenced the development of the United States and the resulting impact on world history. So that students can clearly see the relationship between cause and effect in historical events, students should have the opportunity to review those fundamental ideas and events which occurred before the end of Reconstruction.

Advanced Placement United States History	**2100330**
Grade Level (11th Grade)	Credit: 1
Prerequisites: None	CPALMs Course Description

CollegeBoard Course Description

AP U.S. History is an introductory college-level U.S. history course. Students cultivate their understanding of U.S. history from c. 1491 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures.

Economics	**2102310**
Grade Level (12th Grade)	Credit:.5
Prerequisites: None	CPALMs Course Description
Economics- The grade 9-12 Economics course consists of the following content area strands: Economics and Geography. The primary content emphasis for this course pertains to the study of the concepts and processes of the national and international economic systems. Content should include, but is not limited to, currency, banking, and monetary policy, the fundamental concepts relevant to the major economic systems, the global market and economy, major economic theories and economists, the role and influence of the government and fiscal policies, economic measurements, tools, and methodology, financial and investment markets, and the business cycle.	

United States Government	**2106310**
Grade Level (12th Grade)	Credit:.5
Prerequisites: None	CPALMs Course Description
United States Government - The grade 9-12 United States Government course consists of the following content area strands: Geography, Civics and Government. The primary content for the course pertains to the study of government institutions and political processes and their historical impact on American society. Content should include, but is not limited to, the functions and purpose of government, the function of the state, the constitutional framework, federalism, separation of powers, functions of the three branches of government at the local, state and national level, and the political decision-making process.	

Advanced Placement United States Government and Politics	**2106420**
Grade Level (12th Grade)	Credit: .5
Prerequisites: None	CPALMs Course Description
CollegeBoard Course Description AP U.S. Government and Politics is an introductory college-level course in U.S. government and politics. Students cultivate their understanding of U.S. government and politics through analysis of data and text-based sources as they explore topics like constitutionalism, liberty and order, civic participation in a representative democracy, competing policy-making interests, and methods of political analysis.	

Mathematics

Algebra 1	**1200310**
Grade Level (9th Grade)	Credit: 1
Prerequisites: None	CPALMs Course Description

In Algebra 1, instructional time will emphasize five areas: (1) performing operations with polynomials and radicals, and extending the Laws of Exponents to include rational exponents; (2) extending understanding of functions to linear, quadratic and exponential functions and using them to model and analyze real-world relationships; (3) solving quadratic equations in one variable and systems of linear equations and inequalities in two variables; (4) building functions, identifying their key features and representing them in various ways and (5) representing and interpreting categorical and numerical data with one and two variables.

All clarifications stated, whether general or specific to Algebra I, are expectations for instruction of that benchmark.

Curricular content for all subjects must integrate critical-thinking, problem-solving, and workforce-literacy skills; communication, reading, and writing skills; mathematics skills; collaboration skills; contextual and applied-learning skills; technology-literacy skills; information and media-literacy skills; and civic-engagement skills.

Algebra 1 Honors	**1200320**
Grade Level (9th Grade)	Credit: 1
Prerequisites: None	CPALMs Course Description

In Algebra 1 Honors, instructional time will emphasize five areas: (1) performing operations with polynomials and radicals, and extending the Laws of Exponents to include rational exponents; (2) extending understanding of functions to linear, quadratic and exponential functions and using them to model and analyze real-world relationships; (3) solving quadratic equations in one variable and systems of linear equations and inequalities in two variables; (4) building functions, identifying their key features and representing them in various ways and (5) representing and interpreting categorical and numerical data with one and two variables.

All clarifications stated, whether general or specific to Algebra I Honors, are expectations for instruction of that benchmark.

Geometry Honors	**1206320**
Grade Level (9-12th Grade)	Credit: 1
Prerequisites: Algebra 1	CPALMs Course Description

In Geometry Honors, instructional time will emphasize five areas: (1) proving and applying relationships and theorems involving two-dimensional figures using Euclidean geometry and coordinate geometry; (2) establishing congruence and similarity using criteria from Euclidean geometry and using rigid transformations; (3) extending knowledge of geometric measurement to two-dimensional figures and three-dimensional figures; (4) creating and applying equations of circles in the coordinate plane and (5) developing an understanding of right triangle trigonometry.

All clarifications stated, whether general or specific to Geometry Honors, are expectations for instruction of that benchmark.

Curricular content for all subjects must integrate critical-thinking, problem-solving, and workforce-literacy skills; communication, reading, and writing skills; mathematics skills; collaboration skills; contextual and applied-learning skills; technology-literacy skills; information and media-literacy skills; and civic-engagement skills.

Algebra 2 Honors	**1200340**
Grade Level (10th-12th Grade)	Credit: 1
Prerequisites: Geometry	CPALMs Course Description

In Algebra 2 Honors, instructional time will emphasize six areas: (1) developing understanding of the complex number system, including complex numbers as roots of polynomial equations; (2) extending arithmetic operations with algebraic expressions to include polynomial division, radical and rational expressions; (3) graphing and analyzing functions including polynomials, absolute value, radical, rational, exponential and logarithmic; (4) extending systems of equations and inequalities to include non-linear expressions; (5)building functions using compositions, inverses and transformations and (6) developing understanding of probability concepts.

All clarifications stated, whether general or specific to Algebra 2 Honors, are expectations for instruction of that benchmark.

Curricular content for all subjects must integrate critical-thinking, problem-solving, and workforce-literacy skills; communication, reading, and writing skills; mathematics skills; collaboration skills; contextual and applied-learning skills; technology-literacy skills; information and media-literacy skills; and civic-engagement skills.

Advanced Placement Precalculus	**1202305**
Grade Level (11th-12th Grade)	Credit: 1
Prerequisites: Algebra 2	CPALMs Course Description

CollegeBoard Course Description

AP Precalculus prepares students for other college-level mathematics and science courses. Through regular practice, students build deep mastery of modeling and functions, and they examine scenarios through multiple representations. The course framework delineates content and skills common to college precalculus courses that are foundational for careers in mathematics, physics, biology, health science, social science, and data science.

Advanced Placement Calculus AB	**1210320**
Grade Level (12th Grade)	Credit: 1
Prerequisites: AP Precalculus	CPALMs Course Description

CollegeBoard Course Description

AP Calculus AB is an introductory college-level calculus course. Students cultivate their understanding of differential and integral calculus by engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions.

AP Statistics	**1202310**
Grade Level (12th Grade)	Credit: 1
Prerequisites: Algebra 2	CPALMs Course Description

CollegeBoard Course Description

AP Statistics is an introductory college-level statistics course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students cultivate their understanding of statistics using technology, investigations, problem solving, and writing as they explore concepts like variation and distribution; patterns and uncertainty; and data-based predictions, decisions, and conclusions.

Math for Data and Financial Literacy	**1200384**
Grade Level (9th - 12th Grade)	Credit: 1
Prerequisites: None	CPALMs Course Description

In Mathematics for Data and Financial Literacy, instructional time will emphasize five areas: (1) extending knowledge of ratios, proportions and functions to data and financial contexts; (2) developing understanding of basic economic and accounting principles; (3) determining advantages and disadvantages of credit accounts and short- and long-term loans; (4) developing understanding of planning for the future through investments, insurance and retirement plans and (5) extending knowledge of data analysis to create and evaluate reports and to make predictions.

All clarifications stated, whether general or specific to Mathematics for Data and Financial Literacy, are expectations for instruction of that benchmark.

Curricular content for all subjects must integrate critical-thinking, problem-solving, and workforce-literacy skills; communication, reading, and writing skills; mathematics skills; collaboration skills; contextual and applied-learning skills; technology-literacy skills; information and media-literacy skills; and civic-engagement skills.

Foundational Skills in Mathematics 9-12	**1200400**
Grade Level (9th - 12th Grade)	Credit: 1
Prerequisites: None	CPALMs Course Description

This course supports students who need additional instruction in foundational mathematics skills as it relates to core instruction. Instruction will use explicit, systematic, and sequential approaches to mathematics instruction addressing all strands including number sense & operations, algebraic reasoning, functions, geometric reasoning and data analysis & probability. Teachers will use the listed benchmarks that correspond to each students' needs.

Effective instruction matches instruction to the need of the students in the group and provides multiple opportunities to practice the skill and receive feedback. The additional time allotted for this course is in addition to core instruction. The intervention includes materials and strategies designed to supplement core instruction.

Foundational Skills in Mathematics is offered only as elective credit and does not replace the required Math course.

Foundational Skills in Mathematics is required for students scoring a Level 1 or 2 on the FAST PM3/ALG 1 EOC

Science

Biology 1	**2000310**
Grade Level (9th Grade)	Credit: 1
Prerequisites: None	CPALMs Course Description
Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. The National Science Teachers Association (NSTA) recommends that at the high school level, all students should be in the science lab or field, collecting data every week. School laboratory investigations (labs) are defined by the National Research Council (NRC) as an experience in the laboratory, classroom, or the field that provides students with opportunities to interact directly with natural phenomena or with data collected by others using tools, materials, data collection techniques, and models (NRC, 2006, p. 3). Laboratory investigations in the high school classroom should help all students develop a growing understanding of the complexity and ambiguity of empirical work, as well as the skills to calibrate and troubleshoot equipment used to make observations. Learners should understand measurement error; and have the skills to aggregate, interpret, and present the resulting data (National Research Council, 2006, p.77; NSTA, 2007).).	

Biology 1 Honors	**2000320**
Grade Level (9th Grade)	Credit: 1
Prerequisites: None	CPALMs Course Description
While the content focus of this course is consistent with the Biology I course, students will explore these concepts in greater depth. In general, the academic pace and rigor will be greatly increased for honors level course work. Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. The National Science Teachers Association (NSTA) recommends that at the high school level, all students should be in the science lab or field, collecting data every week. School laboratory investigations (labs) are defined by the National Research Council (NRC) as an experience in the laboratory, classroom, or the field that provides students with opportunities to interact directly with natural phenomena or with data collected by others using tools, materials, data collection techniques, and models (NRC, 2006, p. 3). Laboratory investigations in the high school classroom should help all students develop a growing understanding of the complexity and ambiguity of empirical work, as well as the skills to calibrate and troubleshoot equipment used to make observations. Learners should understand measurement error; and have the skills to aggregate, interpret, and present the resulting data (National Research Council, 2006, p.77; NSTA, 2007).	

Pre-Advanced Placement Chemistry	**2003365**
Grade Level (9-12th Grade)	Credit: 1
Prerequisites: Biology	CPALMs Course Description
CollegeBoard Course Description In Pre-AP Chemistry, students develop a deep conceptual understanding of matter and energy at the molecular level as they learn to explain their macroscopic observations using particulate-level reasoning. As students engage in grade-level content, they utilize scientific reasoning skills needed to analyze the natural world—and to succeed in future science and social science courses in high school and college.	

Forensic Science 1	**2002480**
Grade Level (10th - 12th Grade)	Credit: 1
Prerequisites: Biology	CPALMs Course Description
Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. The National Science Teachers Association (NSTA) recommends that at the high school level, all students should be in the science lab or field, collecting data every week. School laboratory investigations (labs) are defined by the National Research Council (NRC) as an experience in the laboratory, classroom, or the field that provides students with opportunities to interact directly with natural phenomena or with data collected by others using tools, materials, data collection techniques, and models (NRC, 2006, p. 3). Laboratory investigations in the high school classroom should help all students develop a growing understanding of the complexity and ambiguity of empirical work, as well as the skills to calibrate and troubleshoot equipment used to make observations. Learners should understand measurement error; and have the skills to aggregate, interpret, and present the resulting data (National Research Council, 2006, p.77; NSTA, 2007).	

Physical Science	**2003310**
Grade Level (10th - 12th Grade)	Credit: 1
Prerequisites: Biology	CPALMs Course Description
Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. The National Science Teachers Association (NSTA) recommends that at the high school level, all students should be in the science lab or field, collecting data every week. School laboratory investigations (labs) are defined by the National Research Council (NRC) as an experience in the laboratory, classroom, or the field that provides students with opportunities to interact directly with natural phenomena or with data collected by others using tools, materials, data collection techniques, and models (NRC, 2006, p. 3). Laboratory investigations in the high school classroom should help all students develop a growing understanding of the complexity and ambiguity of empirical work, as well as the skills to calibrate and troubleshoot equipment used to make observations. Learners should understand measurement error; and have the skills to aggregate, interpret, and present the resulting data (National Research Council, 2006, p.77; NSTA, 2007).	

Anatomy and Physiology	**2000350**
Grade Level (10th - 12th Grade)	Credit: 1
Prerequisites: Biology	CPALMs Course Description
Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. The National Science Teachers Association (NSTA) recommends that at the high school level, all students should be in the science lab or field, collecting data every week. School laboratory investigations (labs) are defined by the National Research Council (NRC) as an experience in the laboratory, classroom, or the field that provides students with opportunities to interact directly with natural phenomena or with data collected by others using tools, materials, data collection techniques, and models (NRC, 2006, p. 3). Laboratory investigations in the high school classroom should help all students develop a growing understanding of the complexity and ambiguity of empirical work, as well as the skills to calibrate and troubleshoot equipment used to make observations. Learners should understand measurement error; and have the skills to aggregate, interpret, and present the resulting data (National Research Council, 2006, p.77; NSTA, 2007).	

Advanced Placement Environmental Science	**2001380**
Grade Level (10 -12th Grade)	Credit: 1
Prerequisites: Chemistry / Algebra 2	CPALMs Course Description

CollegeBoard Course Description

Students cultivate their understanding of the interrelationships of the natural world through inquiry-based lab investigations and field work as they explore concepts like the four Big Ideas; energy transfer, interactions between earth systems, interactions between different species and the environment, and sustainability.

Advanced Placement Biology	**2000340**
Grade Level (10th -12th Grade)	Credit: 1
Prerequisites: Biology	CPALMs Course Description

CollegeBoard Course Description

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore topics like evolution, energetics, information storage and transfer, and system interactions.

Advanced Placement Physics 1: Algebra-Based	**2003421**
Grade Level (11th -12th Grade)	Credit: 1
Prerequisites: Algebra 2	CPALMs Course Description

CollegeBoard Course Description

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through classroom study, in-class activity, and hands-on, inquiry-based laboratory work as they explore concepts like systems, fields, force interactions, change, and conservation.

Health and Physical Science

HOPE-Physical Education	**3026010**
Grade Level (9th Grade)	Credit: 1
Prerequisites: Algebra 2	CPALMs Course Description

The purpose of this course is to develop and enhance behaviors that influence healthy lifestyle choices, student health and physical fitness. The full benefit of this course is achieved when students are taught using a comprehensive approach.

In addition to the physical education content, specific health education topics within this course include, but are not limited to:

- Injury Prevention and Safety
- Internet Safety
- Nutrition
- Personal Health
- Prevention and Control of Disease
- Substance Use and Abuse Prevention
- Awareness of the Benefits of Abstinence
- Prevention of Teen Dating Violence and Abuse
- Resiliency Education

Weight Training 1	**1501340**
Grade Level (10th-12th Grade)	Credit: .5
Prerequisites: HOPE	CPALMs Course Description

The purpose of this course is to develop the physical skills necessary to be competent in many forms of movement as it relates to weight training. The integration of fitness concepts throughout the content is critical to the success of this course.

Weight Training 2	**1501350**
Grade Level (10th-12th Grade)	Credit: .5
Prerequisites: HOPE	CPALMs Course Description

The purpose of this course is to develop the physical skills necessary to be competent in many forms of movement as it relates to weight training. The integration of fitness concepts throughout the content is critical to the success of this course.

World Languages

Spanish 1	**0708340**
Grade Level (9th-12th Grade)	Credit: 1
Prerequisites: None	CPALMs Course Description
Spanish 1 introduces students to the target language and its culture. The student will develop communicative skills in all 3 modes of communication and cross-cultural understanding. Emphasis is placed on proficient communication in the language. An introduction to reading and writing is also included as well as culture, connections, comparisons, and communities.	

Spanish 2	**0708350**
Grade Level (9th-12th Grade)	Credit: 1
Prerequisites: Spanish 1	CPALMs Course Description
Spanish 2 reinforces the fundamental skills acquired by the students in Spanish 1. The course develops increased listening, speaking, reading, and writing skills as well as cultural awareness. Specific content to be covered is a continuation of listening and oral skills acquired in Spanish 1. Reading and writing receive more emphasis, while oral communication remains the primary objective. The cultural survey of the target language-speaking people is continued.	

Spanish 3 Honors	**0708360**
Grade Level (9th-12th Grade)	Credit: 1
Prerequisites: Spanish 2	CPALMs Course Description
Spanish 3 provides mastery and expansion of skills acquired by the students in Spanish 2. Specific content includes, but is not limited to, expansions of vocabulary and conversational skills through discussions of selected readings. Contemporary vocabulary stresses activities which are important to the everyday life of the target language-speaking people.	

Spanish 4 Honors	**0708370**
Grade Level (9th-12th Grade)	Credit: 1
Prerequisites: Spanish 3	CPALMs Course Description
Spanish 4 expands the skills acquired by the students in Spanish 3. Specific content includes, but is not limited to, more advanced language structures and idiomatic expressions, with emphasis on conversational skills. There is additional growth in vocabulary for practical purposes, including writing. Reading selections are varied and taken from the target language newspapers, magazines, and literary works.	

Advanced Placement Spanish Language and Culture	**0708370**
Grade Level (9th-12th Grade)	Credit: 1
Prerequisites: Spanish 4	CPALMs Course Description

CollegeBoard Course Description

AP Spanish Language and Culture is equivalent to an intermediate level college course in Spanish. Students cultivate their understanding of Spanish language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and communities, personal and public identities, beauty and aesthetics, science and technology, contemporary life, and global challenges.

Turkish 1	**0716300**
Grade Level (9th-12th Grade)	Credit: 1
Prerequisites: None	CPALMs Course Description

Turkish 1 introduces students to the target language and its culture. The student will develop communicative skills in all 3 modes of communication and cross-cultural understanding. Emphasis is placed on proficient communication in the language. An introduction to reading and writing is also included as well as culture, connections, comparisons, and communities.

Turkish 2	**0716310**
Grade Level (9th-12th Grade)	Credit: 1
Prerequisites: Turkish 1	CPALMs Course Description

Turkish 2 reinforces the fundamental skills acquired by the students in Turkish 1. The course develops increased listening, speaking, reading, and writing skills as well as cultural awareness. Specific content to be covered is a continuation of listening and oral skills acquired in Turkish 1. Reading and writing receive more emphasis, while oral communication remains the primary objective. The cultural survey of the target language-speaking people is continued.

Turkish 3 Honors	**0716320**
Grade Level (9th-12th Grade)	Credit: 1
Prerequisites: Turkish 2	CPALMs Course Description

Turkish 3 provides mastery and expansion of skills acquired by the students in Turkish 2. Specific content includes, but is not limited to, expansions of vocabulary and conversational skills through discussions of selected readings. Contemporary vocabulary stresses activities which are important to the everyday life of the target language-speaking people.

Turkish 4 Honors	**0716330**
Grade Level (9th-12th Grade)	Credit: 1
Prerequisites: Turkish 2	CPALMs Course Description
Turkish 4 expands the skills acquired by the students in Turkish 3. Specific content includes, but is not limited to, more advanced language structures and idiomatic expressions, with emphasis on conversational skills. There is additional growth in vocabulary for practical purposes, including writing. Reading selections are varied and taken from the target language newspapers, magazines, and literary works.	

Arts

Three-Dimensional Studio Art 1	**0101330**
Grade Level (10th-12th Grade)	Credit: 1
Prerequisites: None	CPALMs Course Description
Students explore how space, mass, balance, and form combine to create aesthetic forms or utilitarian products and structures. Instruction may include, but is not limited to, content in green or industrial design, sculpture, ceramics, or building arts. Media may include, but are not limited to, clay, wood, plaster, and paper maché with consideration of the workability, durability, cost, and toxicity of the media used. Student artists consider the relationship of scale (i.e., hand-held, human, monumental) through the use of positive and negative space or voids, volume, visual weight, and gravity to create low/high relief or freestanding structures for personal intentions or public places. They explore sharp and diminishing detail, size, position, overlapping, visual pattern, texture, implied line, space, and plasticity, reflecting craftsmanship and quality in the surface and structural qualities of the completed art forms. Students in the 3-D art studio focus on use of safety procedures for process, media, and techniques. Student artists use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. This course incorporates hands-on activities and consumption of art materials.	

Two-Dimensional Studio Art 1	**0101300**
Grade Level (10th-12th Grade)	Credit: 1
Prerequisites: None	CPALMs Course Description
Students experiment with the media and techniques used to create a variety of two-dimensional (2-D) artworks through the development of skills in drawing, painting, printmaking, collage, and/or design. Students practice, sketch, and manipulate the structural elements of art to improve mark making and/or the organizational principles of design in a composition from observation, research, and/or imagination. Through the critique process, students evaluate and respond to their own work and that of their peers. This course incorporates hands-on activities and consumption of art materials.	

Electives

Theatre, Cinema, and Film Production	**0400660**
Grade Level (11th-12th Grade)	Credit: 1
Prerequisites: None	CPALMs Course Description
In Theatre, Cinema, and Film Production, a one-credit course, students explore the elements of film and cinematic techniques used by those who create movies. Students study the techniques in film that serve the story and articulate the theme. Students also prepare a comparative for theatre, film, and literature. Public performances may serve as a resource for specific instructional goals. Students may be required to attend or participate in technical work, rehearsals, and/or film production beyond the school day to support, extend, and assess learning in the classroom.	

Journalism 1	**1006300**
Grade Level (10th-12th Grade)	Credit: 1
Prerequisites: None	CPALMs Course Description
The purpose of this course is to enable students to develop fundamental skills in the production of journalism across print, multimedia, web, and broadcast/radio platforms and to develop knowledge of journalism history, ethics use, and management techniques related to the production of journalistic media.	

Journalism 2	**1006310**
Grade Level (10th-12th Grade)	Credit: 1
Prerequisites: None	CPALMs Course Description
The purpose of this course is to enable students to develop fundamental skills in the production of journalism across print, multimedia, web, and broadcast/radio platforms and to develop knowledge of journalism history, ethics use, and management techniques related to the production of journalistic media.	

Journalism 3	**1006320**
Grade Level (10th-12th Grade)	Credit: 1
Prerequisites: None	CPALMs Course Description
The purpose of this course is to enable students to develop fundamental skills in the production of journalism across print, multimedia, web, and broadcast/radio platforms and to develop knowledge of journalism history, ethics use, and management techniques related to the production of journalistic media.	

Eastern and Western Heritage Honors	**2100460**
Grade Level (11th - 12th Grade)	Credit: 1
Prerequisites: None	CPALMs Course Description
The grade 9-12 Eastern and Western Heritage course consists of the following content area strands: World History, United States History, Geography, and Humanities. The primary content emphasis for this course pertains to the study of the world's earliest civilizations to the ancient and classical civilizations of Africa, Asia, and Europe. Content will include, but is not limited to, the birth of civilizations throughout the world, including the origins of societies from Mesopotamia, Africa, China, India, and Mesoamerica from the perspective of cultural geography, growth, dissemination, and decline of four classic civilizations of India, China, Greece, and Rome, the role of isolation and interaction in the development of the Byzantine Empire, African and Mesoamerican civilizations, India, China, Japan, and Europe, and the emergence of social, political, economic, and religious institutions and ideas.	

Anthropology Honors	**2120710**
Grade Level (11th - 12th Grade)	Credit: 1
Prerequisites: None	CPALMs Course Description
The grade 9-12 Anthropology Honors course consists of the following content area strands: American History, World History, Geography, Humanities, Civics and Government. The primary content emphasis for this course pertains to the study of the differences and similarities, both biological and cultural, in human populations. Students recognize the characteristics that define their culture and gain an appreciation for the culture of others. Content should include, but is not limited to, human biological and cultural origins, adaptation to the physical environment, the diversity of human behavior, the evolution of social and cultural institutions, patterns of language development, family and kinship relationships, and the effect of change on cultural institutions.	

Fundamentals of Research	**1700305**
Grade Level (10th - 12th Grade)	Credit: 1
Prerequisites: None	CPALMs Course Description
The purpose of this course is to enable students to develop fundamental knowledge of the steps in the writing a thesis paper based on the research process. The content should include, but not be limited to, the following: ● nature and purpose of research ● research questions and hypotheses ● review of literature and other resources ● primary and secondary sources ● directed investigations ● organization of information ● report formats, styles, and content ● critical analysis of research ● submission of a major thesis paper	

Gear Up 1	**1700600**
Grade Level (10th - 12th Grade)	Credit: 1
Prerequisites: None	CPALMs Course Description

Gaining Early Awareness and Readiness for Undergraduate Programs (GEAR UP) is a program designed to increase students' aspirations toward high school and beyond and ultimately increase the number of students who are prepared to enter and succeed in postsecondary education.

The purpose of this course is to prepare students for college readiness and success. Students will receive instruction, supported by state standards, in areas that include:

- Student Agency - activities that focus on student initiative, problem solving, decision making, leadership, and community involvement;
- Rigorous Academic Preparedness - academic success skills with activities that focus on writing, mathematics, collaboration, public speaking, and organization; and
- College and Careers - activities related to college preparation and building career knowledge.

This course will target students in the academic middle with the desire to attend college and the willingness to work hard. Through participation in this course, students will be well equipped to access and complete rigorous courses with the end goal being matriculation into and completion of postsecondary educational programs.

Eligibility for this course could be be determined by the student's grade 8 FSA scores and Lexile levels. Students scoring at FSA Levels 2/3 and with a Lexile level = 680 could be given priority for this course.

Leadership Strategies Honors	**2400320**
Grade Level (11th - 12th Grade)	Credit: 1
Prerequisites: None	CPALMs Course Description

The purpose of this course is to provide formative opportunities to build on skills acquired in the Leadership Techniques course, including meetings skills, communication skills, motivational strategies, character development, group dynamics, community relations, data collection for project needs, evaluation of community organizations, purpose of local government, community service and personal and civic responsibility.

The content should include, but not be limited to, the following:

- effective project planning, execution and management
- techniques for the successful advocacy of proposed public policy changes
- mastery of organizational theories and management techniques and strategies
- analysis of community organizations' impact on the community as a whole
- construction of surveys to gather data for community needs
- analysis of survey data

Mathematics for ACT and SAT	**1209315**
Grade Level (10th - 12th Grade)	Credit: 1
Prerequisites: None	CPALMs Course Description

In Mathematics for ACT and SAT, instructional time will emphasize six areas:

(1) extending understanding of functions to linear, quadratic and exponential functions and using them to model and analyze real-worldrelationships;

(2) developing understanding of the complex number system, including complex numbers as roots of polynomial equations;

(3) extending knowledge of ratios, proportions and functions to data and financial contexts;

(4) solve problems involving univariate and bivariate data and make inferences from collected data;

(5) relationships and theorems involving two-dimensional figures using Euclidean geometry and coordinate geometry;

(6) graph and apply trigonometric relations and functions.

Curricular content for all subjects must integrate critical-thinking, problem-solving, and workforce-literacy skills; communication, reading, and writing skills; mathematics skills; collaboration skills; contextual and applied-learning skills; technology-literacy skills; information and media-literacy skills; and civic-engagement skills.

All clarifications stated, whether general or specific to Mathematics for ACT and SAT, are expectations for instruction of that benchmark.

Advanced Placement (AP)

Advanced Placement Capstone Seminar	**1700500**
Grade Level (10th-12th Grade)	Credit: 1
Prerequisites: English 1	CPALMs Course Description

CollegeBoard Course Description

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Students learn to investigate a problem or issue, analyze arguments, compare different perspectives, synthesize information from multiple sources, and work alone and in a group to communicate their ideas.

Advanced Placement Capstone Research	**1700510**
Grade Level (11th-12th Grade)	Credit: 1
Prerequisites: AP Capstone Seminar	CPALMs Course Description

CollegeBoard Course Description

AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. 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.

Advanced Placement English Language and Composition	**1001420**
Grade Level (11th Grade) (English 3 Equivalent)	Credit: 1
Prerequisites: English 2 Honors	CPALMs Course Description

CollegeBoard Course Description

AP English Language and Composition is an introductory college-level composition course. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like rhetorical situation, claims and evidence, reasoning and organization, and style.

Advanced Placement English Literature and Composition	**1001430**
Grade Level (12th Grade) (English 4 Equivalent)	Credit: 1
Prerequisites: English 3	CPALMs Course Description

CollegeBoard Course Description

AP English Literature and Composition is an introductory college-level literary analysis course. Students cultivate their understanding of literature through reading and analyzing texts as they explore concepts like character, setting, structure, perspective, figurative language, and literary analysis in the context of literary works.

Advanced Placement World History: Modern	**2109420**
Grade Level (10th Grade)	Credit: 1
Prerequisites: AP Human Geography (Recommended)	CPALMs Course Description

CollegeBoard Course Description

AP World History: Modern is an introductory college-level modern world history course. Students cultivate their understanding of world history from c. 1200 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

Advanced Placement United States History	**2100330**
Grade Level (11th Grade)	Credit: 1
Prerequisites: None	CPALMs Course Description

CollegeBoard Course Description

AP U.S. History is an introductory college-level U.S. history course. Students cultivate their understanding of U.S. history from c. 1491 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures.

Advanced Placement United States Government and Politics	**2106420**
Grade Level (12th Grade)	Credit: .5
Prerequisites: None	CPALMs Course Description

CollegeBoard Course Description

AP U.S. Government and Politics is an introductory college-level course in U.S. government and politics. Students cultivate their understanding of U.S. government and politics through analysis of data and text-based sources as they explore topics like constitutionalism, liberty and order, civic participation in a representative democracy, competing policy-making interests, and methods of political analysis.

Advanced Placement Comparative Government and Politics	**2106430**
Grade Level (11-12th Grade)	Credit: .5
Prerequisites: None	CPALMs Course Description

CollegeBoard Course Description

AP Comparative Government and Politics is an introductory college-level course in comparative government and politics. The course uses a comparative approach to examine the political structures; policies; and political, economic, and social challenges of six selected countries: China, Iran, Mexico, Nigeria, Russia, and the United Kingdom. Students cultivate their understanding of comparative government and politics through analysis of data and text-based sources as they explore topics like power and authority, legitimacy and stability, democratization, internal and external forces, and methods of political analysis.

Advanced Placement Human Geography	**2103400**
Grade Level (9th - 12th Grade)	Credit: 1
Prerequisites: None	CPALMs Course Description

CollegeBoard Course Description

AP Human Geography is an introductory college-level human geography course. Students cultivate their understanding of human geography through data and geographic analyses as they explore topics like patterns and spatial organization, human impacts and interactions with their environment, and spatial processes and societal changes.

Advanced Placement Psychology	**2107350**
Grade Level (10th - 12th Grade)	Credit: 1
Prerequisites: None	CPALMs Course Description

CollegeBoard Course Description

AP Psychology introduces students to the systematic and scientific study of human behavior and mental processes.

While considering the studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with major units of study, including biological bases of behavior, cognition, development, learning, social psychology, personality, and mental and physical health.

Throughout the course, students apply psychological concepts and employ psychological research methods and data interpretation to evaluate claims, consider evidence, and effectively communicate ideas.

Advanced Placement Precalculus	**1202305**
Grade Level (11th-12th Grade)	Credit: 1
Prerequisites: Algebra 2	CPALMs Course Description

CollegeBoard Course Description

AP Precalculus prepares students for other college-level mathematics and science courses. Through regular practice, students build deep mastery of modeling and functions, and they examine scenarios through multiple representations. The course framework delineates content and skills common to college precalculus courses that are foundational for careers in mathematics, physics, biology, health science, social science, and data science.

Advanced Placement Calculus AB	**1210320**
Grade Level (12th Grade)	Credit: 1
Prerequisites: AP Precalculus	CPALMs Course Description

CollegeBoard Course Description

AP Calculus AB is an introductory college-level calculus course. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions.

AP Statistics	**1202310**
Grade Level (12th Grade)	Credit: 1
Prerequisites: Algebra 2	CPALMs Course Description

CollegeBoard Course Description

AP Statistics is an introductory college-level statistics course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students cultivate their understanding of statistics using technology, investigations, problem solving, and writing as they explore concepts like variation and distribution; patterns and uncertainty; and data-based predictions, decisions, and conclusions.

Advanced Placement Environmental Science	**2001380**
Grade Level (10 -12th Grade)	Credit: 1
Prerequisites: Chemistry / Algebra 2	CPALMs Course Description

CollegeBoard Course Description

Students cultivate their understanding of the interrelationships of the natural world through inquiry-based lab investigations and field work as they explore concepts like the four Big Ideas; energy transfer, interactions between earth systems, interactions between different species and the environment, and sustainability.

Advanced Placement Biology	**2000340**
Grade Level (10th -12th Grade)	Credit: 1
Prerequisites: Biology	CPALMs Course Description

CollegeBoard Course Description

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore topics like evolution, energetics, information storage and transfer, and system interactions.

Advanced Placement Physics 1: Algebra-Based	**2003421**
Grade Level (11th -12th Grade)	Credit: 1
Prerequisites: Algebra 2	CPALMs Course Description

CollegeBoard Course Description

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through classroom study, in-class activity, and hands-on, inquiry-based laboratory work as they explore concepts like systems, fields, force interactions, change, and conservation.

Advanced Placement Spanish Language and Culture	**0708370**
Grade Level (9th-12th Grade)	Credit: 1
Prerequisites: Spanish 4	CPALMs Course Description

CollegeBoard Course Description

AP Spanish Language and Culture is equivalent to an intermediate level college course in Spanish. Students cultivate their understanding of Spanish language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and communities, personal and public identities, beauty and aesthetics, science and technology, contemporary life, and global challenges.

Advanced Placement Computer Science Principles	**0200335**
Grade Level (10th-12th Grade)	Credit: 1
Prerequisites: None	CPALMs Course Description

CollegeBoard Course Description

AP Computer Science Principles is an introductory college-level computing course that introduces students to the breadth of the field of computer science. Students learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They incorporate abstraction into programs and use data to discover new knowledge. Students also explain how computing innovations and computing systems—including the internet—work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical.

Advanced Placement Computer Science A	**0200320**
Grade Level (10th-12th Grade)	Credit: 1
Prerequisites: AP Computer Science Principles	FSCJ Course Description

This course introduces students to rhetorical concepts and audience-centered approaches to writing including composing processes, language conventions and style, and critical analysis and engagement with written texts and other forms of communication. The course, moreover, introduces students to academic writing standards to prepare them to communicate clearly and effectively in college and beyond.

Dual Enrollment

We are currently partnered with FSCJ and Doral College, FSCJ courses are offered in person, on campus. Doral College Courses are taught online by Doral College Professors.

For more information on Doral College please check here.

Strategies for Success in College, Career, and Life (FSCJ)	**SLS1103**
Grade Level (9th-12th Grade)	Credit: 1 (3 College Hours)
Prerequisites: Must meet Dual Enrollment Qualifications	FSCJ Course Description
This survey course is designed to assist students in developing skills that will help them succeed in college, career and life. This course will emphasize how basic academic success skills can be applied in a knowledge-based economy. Included in this course are problem solving, communication skills, work ethics, diversity appreciation, introduction to information literacy and other related topics.	

English Composition 1 (FSCJ)	**ENC1101**
Grade Level (11th-12th Grade)	Credit: 1 (3 College Hours)
Prerequisites: Must meet Dual Enrollment Qualifications	FSCJ Course Description
This course introduces students to rhetorical concepts and audience-centered approaches to writing including composing processes, language conventions and style, and critical analysis and engagement with written texts and other forms of communication. The course, moreover, introduces students to academic writing standards to prepare them to communicate clearly and effectively in college and beyond.	

English Composition 2 (FSCJ)	**ENC1102**
Grade Level (11th-12th Grade)	Credit: 1 (3 College Hours)
Prerequisites: Must meet Dual Enrollment Qualifications. ENC1101	FSCJ Course Description
This course focuses on understanding and writing about texts. The student will develop a proficiency in evaluating written, visual and filmic texts and in writing analytically about these texts. This course provides a solid introduction to research writing as well as writing skills. This course fulfills the Gordon Rule writing requirement and must be completed with a grade of C or higher pursuant to State Board of Education Rule 6A-10.030.	

Literature in the Humanities (FSCJ)	**LIT2000**
Grade Level (11th-12th Grade)	Credit: 1 (3 College Hours)
Prerequisites: Must meet Dual Enrollment Qualifications. ENC1102	FSCJ Course Description
In this course, students will be assigned readings representative of a broad range of literary genres and cultures. These readings will cover a variety of literary movements and historical eras. The readings will include, but are not limited to, selections from the Western canon. Written analysis of literary works may be required. Students will be provided with opportunities to practice critical interpretation. In addition, this course is an introduction to the study of the characteristics, conventions, and socio-historical contexts of the major literary forms, including the analysis and interpretation of literary elements and devices, and the application of literary theory and criticism. This course is designed to encourage a deep appreciation of literature, hone critical thinking skills, and illustrate the importance of literature as an expression of the human cultural experience. This course is suitable for students without prior literature study experience.	

Theater in the Humanities (FSCJ)	**THE2000**
Grade Level (11th-12th Grade)	Credit: 1 (3 College Hours)
Prerequisites: Must meet Dual Enrollment Qualifications	FSCJ Course Description
In this course, students will explore dramatic structure, techniques, and various organizational elements. The course provides an introduction to theatre as a collaborative art form through the critical analysis of its historical context, production, theory, and connections to theatrical literature, including the Western cannon. As a humanities course, students will study societies that create dramatic expressions through analysis and investigation of these expressions to include causal influences and relationships between dramatic works and contexts.	

Theater in the Humanities (FSCJ)	**GEB1011**
Grade Level (10th-12th Grade)	Credit: 1 (3 College Hours)
Prerequisites: Must meet Dual Enrollment Qualifications	FSCJ Course Description
This course provides an overview of the global business environment. The business topics covered include, but are not limited to, management, ethics, social responsibility, marketing, human resources, and finance. This course is designed to help prepare students for future business courses and assist them in deciding whether to choose business as a career.	

Principles of Management (FSCJ)	**MAN2021**
Grade Level (10th-12th Grade)	Credit: 1 (3 College Hours)
Prerequisites: Must meet Dual Enrollment Qualifications	FSCJ Course Description
In this course, students will explore dramatic structure, techniques, and various organizational elements. The course provides an introduction to theatre as a collaborative art form through the critical analysis of its historical context, production, theory, and connections to theatrical literature, including the Western cannon. As a humanities course, students will study societies that create dramatic expressions through analysis and investigation of these expressions to include causal influences and relationships between dramatic works and contexts.	

College Algebra (FSCJ)	**MAN2021**
Grade Level (11th-12th Grade)	Credit: 1 (3 College Hours)
Prerequisites: Must meet Dual Enrollment Qualifications	FSCJ Course Description
In this course, students will develop problem solving skills, critical thinking, computational proficiency, and contextual fluency through the study of equations, functions, and their graphs. Emphasis will be placed on quadratic, exponential, and logarithmic functions. Topics will include solving equations and inequalities, definition and properties of a function, domain and range, transformations of graphs, operations on functions, composite and inverse functions, basic polynomial and rational functions, exponential and logarithmic functions, and applications.	

Intermediate Algebra (FSCJ)	**MAT1033**
Grade Level (10th-12th Grade)	Credit: 1 (4 College Hours)
Prerequisites: Must meet Dual Enrollment Qualifications	FSCJ Course Description
The major topics include sets, linear equations and inequalities with applications, polynomials and factoring, rational expressions and equations with applications, exponents, roots and radicals, quadratic equations with applications, relations and functions, graphs and systems of linear equations and inequalities. This course will apply as an A.A. elective. Students are advised to verify their program requirements to determine if the course is eligible to count as an A.S. Professional Elective.	

Career and Technical Education (CTE)

Advanced Information Technology	**9007610**
Grade Level (10th-12th Grade)	Credit: 1
Prerequisites: None	CPALMs Course Description

FLDOE CTE Course Framework

This course provides a basic overview of current business and information systems and their trends. Students gain fundamental knowledge and experience in computer technology that is required for today's business and academic environments. With the development of basic computer science knowledge and understanding, this course prepares students to be successful both personally and professionally in an information-based society. Advanced Information Technology includes industry-driven standards that allow student exploration of computers and their networks, as well as other emergent technology, hardware/software installation and functionality, web development practices, and the benefits and risks of using computers both locally and globally.

Advanced Placement Computer Science Principles	**0200335**
Grade Level (9th-12th Grade)	Credit: 1
Prerequisites: None	CPALMs Course Description

CollegeBoard Course Description

AP Computer Science Principles is an introductory college-level computing course that introduces students to the breadth of the field of computer science. Students learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They incorporate abstraction into programs and use data to discover new knowledge. Students also explain how computing innovations and computing systems—including the internet—work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical.

Advanced Placement Computer Science A	**0200320**
Grade Level (10th-12th Grade)	Credit: 1
Prerequisites: AP Computer Science Principles	CPALMs Course Description

CollegeBoard Course Description

AP Computer Science A is an introductory college-level computer science course. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures.

Digital Information Technology	**8207310**
Grade Level (9th-12th Grade)	Credit: 1
Prerequisites: None	CPALMs Course Description

FLDOE CTE Course Framework

This core course is designed to provide a basic overview of current business and information systems and trends, and to introduce students to fundamental skills required for today's business and academic environments. Emphasis is placed on developing fundamental computer skills. The intention of this course is to prepare students to be successful both personally and professionally in an information-based society. Digital Information Technology includes the exploration and use of: databases, the internet, spreadsheets, presentation applications, management of personal information and email, word processing and document manipulation, HTML, web page design, and the integration of these programs using software that meets industry standards.

Advanced Information Technology	**9007610**
Grade Level (9th-12th Grade)	Credit: 1
Prerequisites: AP Computer Science Principles	CPALMs Course Description

FLDOE CTE Course Framework

This course provides a basic overview of current business and information systems and their trends. Students gain fundamental knowledge and experience in computer technology that is required for today's business and academic environments. With the development of basic computer science knowledge and understanding, this course prepares students to be successful both personally and professionally in an information-based society. Advanced Information Technology includes industry-driven standards that allow student exploration of computers and their networks, as well as other emergent technology, hardware/software installation and functionality, web development practices, and the benefits and risks of using computers both locally and globally.