Advanced Academic Services Course Guide

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Advanced Academic Services

Advanced Academic Services provides support, training, programing, and guidance to schools, teachers, families, and students to ensure that gifted and talented students have the opportunity to engage in exceptional, differentiated, and rigorous learning, to explore their strengths and talents, to experience advanced academic opportunities, and to achieve their highest potential.

Advanced Academic Services supports advanced coursework in middle school and high school including: Honors, International Honors, Advanced Placement, and both the International Baccalaureate Diploma Programme at Odessa High School and the Middle Years Programme at Crockett Middle School.

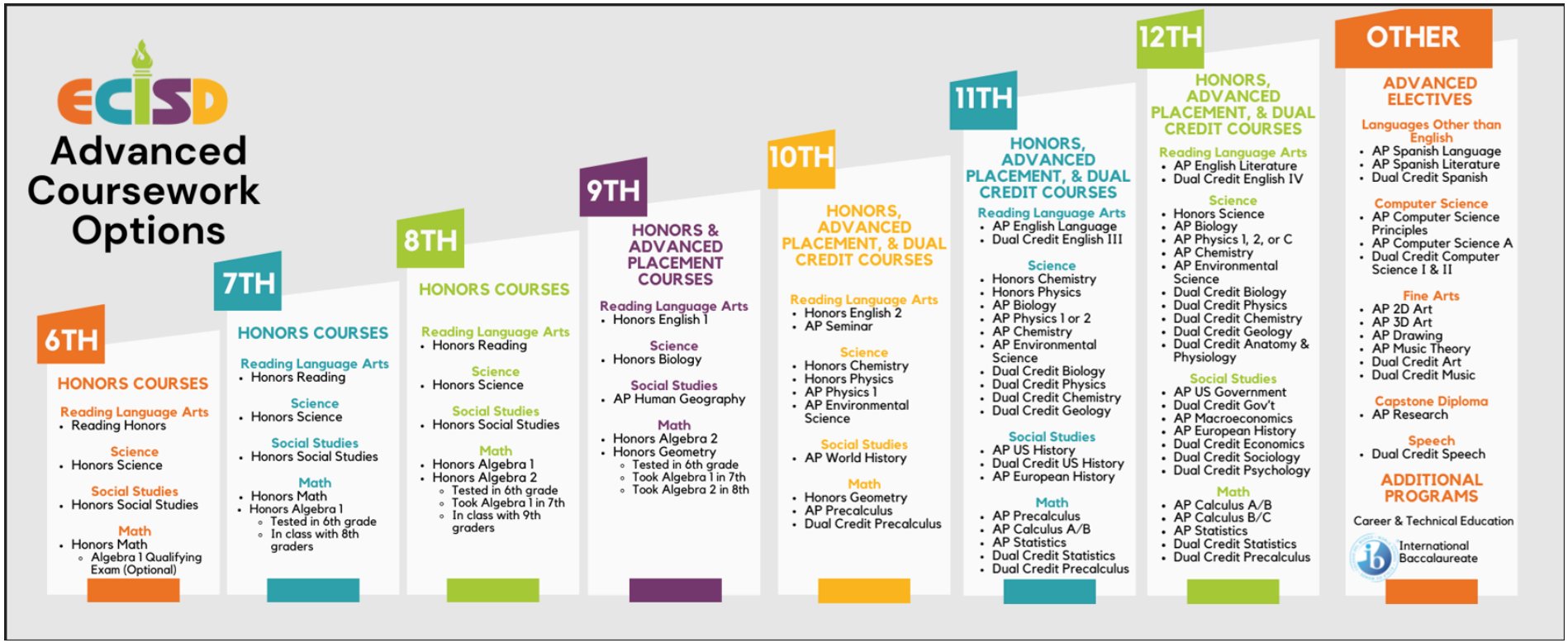
ECISD has adopted an Opt-Out Process to ensure that all qualified students have access to rigorous and challenging coursework.

ECISD Opt-Out Process

ECISD implements an Opt-Out Program for Honors and Advanced Placement courses, ensuring students who achieve "Meets" or "Masters" on STAAR/EOC exams are automatically placed in advanced courses. This program encourages students to take on rigorous coursework, preparing them for high school and college-level challenges.

Families who wish to opt out of Honors or AP courses must meet with their student's counselor to complete the required Opt-Out Form. The process includes:

- A parent/counselor conference, where the benefits of advanced courses are discussed.
- A decision recorded on the Opt-Out Form, allowing parents to select specific courses to exit or opt out of all advanced courses.
- Once a student has opted out, they cannot re-enroll in an advanced course during the same school year.


ECISD
Advanced Coursework Options
6TH
HONORS COURSES
Reading Language Arts
• Reading Honors
Science
• Honors Science
Social Studies
• Honors Social Studies
Math
• Honors Math
◦ Algebra 1 Qualifying Exam (Optional)
7TH
HONORS COURSES
Reading Language Arts
• Honors Reading
Science
• Honors Science
Social Studies
• Honors Social Studies
Math
• Honors Math
• Honors Algebra 1
◦ Tested in 6th grade
◦ In class with 8th graders
8TH
HONORS COURSES
Reading Language Arts
• Honors Reading
Science
• Honors Science
Social Studies
• Honors Social Studies
Math
• Honors Algebra 1
• Honors Algebra 2
◦ Tested in 6th grade
◦ Took Algebra 1 in 7th
◦ In class with 9th graders
9TH
HONORS & ADVANCED PLACEMENT COURSES
Reading Language Arts
• Honors English 1
Science
• Honors Biology
Social Studies
• AP Human Geography
Math
• Honors Algebra 2
• Honors Geometry
◦ Tested in 6th grade
◦ Took Algebra 1 in 7th
◦ Took Algebra 2 in 8th
10TH
HONORS, ADVANCED PLACEMENT, & DUAL CREDIT COURSES
Reading Language Arts
• Honors English 2
• AP Seminar
Science
• Honors Chemistry
• Honors Physics
• AP Physics 1
• AP Environmental Science
Social Studies
• AP World History
Math
• Honors Geometry
• AP Precalculus
• Dual Credit Precalculus
11TH
HONORS, ADVANCED PLACEMENT, & DUAL CREDIT COURSES
Reading Language Arts
• AP English Language
• Dual Credit English III
Science
• Honors Chemistry
• Honors Physics
• AP Biology
• AP Physics 1 or 2
• AP Chemistry
• AP Environmental Science
• Dual Credit Biology
• Dual Credit Physics
• Dual Credit Chemistry
• Dual Credit Geology
Social Studies
• AP US History
• Dual Credit US History
• AP European History
Math
• AP Precalculus
• AP Calculus A/B
• AP Statistics
• Dual Credit Statistics
• Dual Credit Precalculus
12TH
HONORS, ADVANCED PLACEMENT, & DUAL CREDIT COURSES
Reading Language Arts
• AP English Literature
• Dual Credit English IV
Science
• Honors Science
• AP Biology
• AP Physics 1, 2, or C
• AP Chemistry
• AP Environmental Science
• Dual Credit Biology
• Dual Credit Physics
• Dual Credit Chemistry
• Dual Credit Geology
• Dual Credit Anatomy & Physiology
Social Studies
• AP US Government
• Dual Credit Gov't
• AP Macroeconomics
• AP European History
• Dual Credit Economics
• Dual Credit Sociology
• Dual Credit Psychology
Math
• AP Calculus A/B
• AP Calculus B/C
• AP Statistics
• Dual Credit Statistics
• Dual Credit Precalculus
OTHER
ADVANCED ELECTIVES
Languages Other than English
• AP Spanish Language
• AP Spanish Literature
• Dual Credit Spanish
Computer Science
• AP Computer Science Principles
• AP Computer Science A
• Dual Credit Computer Science I & II
Fine Arts
• AP 2D Art
• AP 3D Art
• AP Drawing
• AP Music Theory
• Dual Credit Art
• Dual Credit Music
Capstone Diploma
• AP Research
Speech
• Dual Credit Speech
ADDITIONAL PROGRAMS
Career & Technical Education
International Baccalaureate

Honors Courses

Honors courses in ECISD are accelerated, rigorous classes designed to prepare students for Advanced Placement (AP) courses and college-level work. These courses serve as the primary setting for gifted and talented (GT) students while remaining open to all students who wish to enroll. In honors courses, students engage in collaborative group activities, conduct research, and participate in independent studies. Each semester, students complete at least one project to develop critical thinking, creativity, and academic skills.

We recommend that students meet at least one of the following criteria before enrolling:

- Earn an 80 or higher semester average in the previously completed course.
- Achieve a Meet or Master level on the most recent STAAR test.
- Be enrolled in an AVID elective course.

However, honors courses are open to any student willing to take on the challenge and commit to success.

Why Choose Honors?

Honors courses provide numerous benefits, including:

- Building strong study habits and time management skills.
- Developing advanced research, analytical, and problem-solving abilities.
- Preparing students for the demands of AP and college-level courses.
- Cultivating leadership and teamwork through collaborative projects.

By choosing to take an honors course, students gain a head start on their academic and personal goals, unlocking opportunities for growth and future success.

Advanced Placement® (AP®)

The Advanced Placement® (AP®) program offers students the opportunity to experience college-level classes in high school, preparing them for future academic success and providing the potential to earn college credit. AP courses are designed for students who are eager to challenge themselves with rigorous, in-depth content and build critical thinking skills while learning alongside motivated peers.

AP courses are offered at Odessa High School, Permian High School, and New Tech Odessa, with a wide range of subjects, are listed below and in the course catalogues for each subject area.

These courses culminate in AP exams in May, where students scoring a 3 or higher on a scale of 1–5 may earn college credit or skip introductory courses at many colleges and universities. Successfully completing AP courses also enhances college applications, as admissions officers value students who challenge themselves academically.

AP® classes are open to any ECISD student. Identified gifted students are automatically enrolled in core AP courses aligned with their strengths, while other students may enroll if they meet the following criteria:

- Earn an 80 or higher semester average in the previously completed course.
- Achieve a Meet or Master level on the most recent STAAR test.
- Be enrolled in an AVID elective course.

Students not meeting these criteria may still enroll through the open-enrollment policy, provided they are prepared to commit to rigorous coursework, regular attendance, and active participation.

Why Take AP Courses?

AP courses allow students to explore subjects in-depth, earn college credit, and strengthen their college applications. Taking these courses provides:

- A chance to save money on college tuition by earning credit in high school.
- Exposure to college-level expectations in a familiar, supportive environment.
- Opportunities to build skills, confidence, and resilience needed for post-secondary success.

AP Exam Registration

Students enrolled in AP courses are expected to register for and sit for related AP exams. The cost per exam is $20.00, with a reduced fee of $10.00 for students qualifying for the Free/Reduced Meal Program. Payment is binding, and refunds are not available. Students wishing to take an AP exam for a course they are not enrolled in must pay $98.00 and obtain written authorization from the Advanced Academic Services Office.

Course Expectations and Policies

- Students must maintain a 70 or higher average to remain enrolled in AP courses.
- Regular attendance and participation in tutorials are essential for success.
- Students may exit AP courses during the first six weeks or at mid-term of full-year courses following the Opt-Out Program process.

ECISD is committed to supporting students as they embrace the challenges and opportunities of advanced coursework, helping them achieve their academic and future goals. For questions, contact the Advanced Academic Services Department or your student's campus.

International Baccalaureate (IB)

Why Choose IB Pathways?

Each IB pathway—International Honors, Middle Year Programme, and Diploma Programme—prepares students for future academic success by emphasizing:

- Critical thinking and problem-solving.
- Global awareness and intercultural understanding.
- Research, communication, and leadership skills.
- A well-rounded education that fosters lifelong learning.

Whether you are beginning with the Middle Years Programme, exploring International Honors courses, or committing to the full Diploma Programme experience, IB programs offer an unparalleled opportunity to excel academically and prepare for a bright future.

Middle Years Programme (MYP) – Crockett Middle School

The IB Middle Years Programme (MYP) is offered at Crockett Middle School and serves as a comprehensive foundation for students in grades 6-8, designed to prepare them for advanced academic pathways, including the IB Diploma Programme. The MYP curriculum focuses on interdisciplinary learning, global perspectives, and the development of strong research, problem-solving, and communication skills.

All students at Crockett Middle School participate in the MYP. Enrollment is available to zoned students or through the Choice School application process for those outside the attendance zone.

International Honors (IH) Courses – Odessa High School

International Honors (IH) courses are advanced, rigorous classes available exclusively at Odessa High School (OHS). These courses serve as a preparation for the International Baccalaureate (IB) Diploma Programme and provide students with the skills and mindset needed to succeed in globally recognized, college-level IB coursework. IH courses emphasize collaborative learning, independent research, and in-depth projects to foster critical thinking and academic excellence.

Enrollment in IH courses at OHS is open to any student who wishes to challenge themselves. Interested students must meet with the IB Coordinator and complete the required paperwork.

Diploma Programme (DP) – Odessa High School

The IB Diploma Programme (DP) is offered at Odessa High School and provides an academically challenging and balanced education for students in grades 11-12. The DP focuses on intellectual, personal, emotional, and social growth, preparing students for success in college and beyond. Students participate in a wide range of advanced coursework, including the Theory of Knowledge (TOK), Creativity, Activity, and Service (CAS) projects, and an Extended Essay.

Enrollment in the DP at OHS is open to any student committed to pursuing the program's rigorous requirements. Students must meet with the IB Coordinator to discuss eligibility and complete any necessary paperwork.

AP® Course List

English AP® Courses

AP English Language & Composition	Grade Level: 11	Credit: 1	GPA weight 5.0
Prerequisite/Notes: English II			
Course Description: AP English III is a college level English Language and Composition course taught to high school students. This course exceeds the traditional English III course by including a college-level study of major American authors by emphasizing the development of vocabulary and critical reading skills, and by providing practice in writing expository and argumentative essays. Throughout all phases of the junior curriculum, emphasis is placed upon the teaching of the writing and reading TEKS. The focus of the course is the preparation of students for the AP exam for college credit. **AP Exam in May required.**			
Course Numbers: • 2324 APENGLAN P • 2321 APENGLAN GP • 3100 APENGLAN NC			

AP English Literature & Composition	Grade Level: 12	Credit: 1	GPA weight 5.0
Prerequisite/Notes: English III			
Course Description: AP English IV is a college level English Literature and Composition course taught to high school students. This course exceeds the traditional English IV survey of British literature and the refinement of composition skills presented in the prescribed curriculum by including studies of selected world authors whose works lend themselves to thematic interpretation. In addition, it provides opportunities for students to examine authors' styles and to emulate their professional techniques in original compositions. The focus of the course is the preparation of students for the AP exam for college credit. **AP Exam in May required.**			
Course Numbers: • 2334 APENGLITP • 2331 APENGLITGP • 3103 APENGLIT NC			

Social Studies AP® Courses

AP Human Geography	Grade Level: 9	Credit: 1	GPA weight 5.0
Prerequisite/Notes: Social Studies 8			
Course Description: AP Human Geography explores how humans have understood, used, and changed the surface of the Earth. Students use geographers' tools and thinking processes to examine patterns of human population, migration, and land use from a thematic perspective. Skills utilized in this course include connecting geographic concepts and processes to real-life scenarios, identifying and then connecting patterns and trends in data, and understanding spatial relationships using geographic scales. **AP Exam in May required.**			
Course Numbers: • 2010 APHUMGEOW P • 2012 APHUMGEOW GP			

AP World History	Grade Level: 10	Credit: 1	GPA weight 5.0
Prerequisite/Notes: AP Human Geography or World Geography, Recommend parallel enrollment in Honors English II			
Course Description: This course is designed to develop a greater understanding of the evolution of global processes and contacts in several types of human societies. This course highlights the nature of changes in global frameworks and their causes and consequences, as well as comparison among major societies. It emphasizes relevant factual knowledge, leading interpretive issues, and skills in analyzing types of historical evidence. AP World History offers an approach that guides students through the steps a historian would take in analyzing historical events and evidence worldwide. This college-level course offers a balanced global coverage with Africa, the Americas, Asia, Europe, and Oceania all represented. This course will require several hours of reading and study per chapter to meet the requirements in the curriculum. **AP Exam in May required.**			
Course Numbers: • 2541 APWHIST P • 4679 APWHIST GP			

AP United States History	Grade Level: 11	Credit: 1	GPA weight 5.0
Prerequisite/Notes: AP World History or World History, Recommend parallel enrollment in AP English Language and Composition			
Course Description: AP United States History is a college-level course that provides an			

in-depth study of U. S. history from colonial to modern times. The course's thematic approach to the study of history promotes the student's development of analytical skills needed to deal critically with historical source materials. This course prepares students for the AP exam for college credit. **AP Exam in May required.**
Course Numbers: • 2530 APUSHIST P • 2532 APUSHIST GP

AP United States History	Grade Level: 11	Credit: 1	GPA weight 5.0
Prerequisite/Notes: AP World History or World History, Recommend parallel enrollment in AP English Language and Composition			
Course Description: AP United States History is a college-level course that provides an in-depth study of U. S. history from colonial to modern times. The course's thematic approach to the study of history promotes the student's development of analytical skills needed to deal critically with historical source materials. This course prepares students for the AP exam for college credit. **AP Exam in May required.**			
Course Numbers: • 2530 APUSHIST P • 2532 APUSHIST GP			

AP United States Government and Politics	Grade Level: 12	Credit: 1	GPA weight 5.0
Prerequisite/Notes: AP US History or US History			
Course Description: AP United States Government and Politics provides students with an opportunity to explore analytical perspectives on government and politics in the United States. This course includes both the study of general concepts used to interpret U. S. politics and the analysis of specific examples. It also requires knowledge of the various institutions, groups, beliefs, and ideas that constitute U.S. politics. Students will explore the constitutional underpinnings of the U.S. government; political beliefs and behaviors; political parties; interest groups and mass media; institutions of national government; public policy; and civil rights and civil liberties. The focus of the course is the preparation of students for the AP exam for college credit. **AP Exam in May required.**			
Course Numbers: • 2527 APUSGOVT P • 2526 APUSGOVT GP			

AP Macroeconomics	Grade Level: 12	Credit: 1	GPA weight 5.0

Prerequisite/Notes: AP US History or US History
Course Description: AP Macroeconomics introduces students to fundamental economic concepts. Emphasis is placed on the study of national income and price determination, economic performance measures, economic growth, and international economics. Other basic concepts explored include the function performed by economic systems and the tools of supply and demand and how they can be employed to analyze a market economy. The focus of the course is the preparation of students for the AP exam for college credit. **AP Exam in May required.**
Course Numbers: • 2549 APMACECO P • 2548 APMACECO GP

AP European History (ELECTIVE)	Grade Level: 11-12	Credit: 1	GPA weight 4.5
Prerequisite/Notes: AP Human Geography or World Geography			
Course Description: AP European History is intended for qualified and highly motivated students who wish to complete studies in secondary school equivalent to a college introductory course. Students will gain an understanding of basic chronology and of major events and trends shaping European history from 1450 to the present; that is, from the Renaissance to the present. The course will emphasize reading and writing on a college level. Students will be given opportunities to analyze readings by writing essays and by participating in seminar-type class discussions. The focus of the course is the preparation of students for the AP exam for college credit. **AP Exam in May required.**			
Course Numbers: • 2535 APEUHIST P • 4686 APEUHIST GP			

AP Psychology (ELECTIVE)	Grade Level: 10-12	Credit: 1	GPA weight 4.5
Prerequisite/Notes: English 1			
Course Description: The AP Psychology course 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. **AP Exam in May required.**
Course Numbers: • 2011 APPSYCH P

AP African American Studies (ELECTIVE)	Grade Level: 10-12	Credit: 1	GPA weight 4.5
Prerequisite/Notes: English 1 and World Geography or AP Human Geography			
Course Description: AP African American Studies is an interdisciplinary course that examines the diversity of African American experiences through direct encounters with varied sources. Students explore key topics that extend from early African kingdoms to the ongoing challenges and achievements of the contemporary moment. Given the interdisciplinary character of African American Studies, students in the course will develop skills across multiple fields, with an emphasis on developing historical, literary, visual, and data analysis skills. This course foregrounds a study of the diversity of Black communities in the United States within the broader context of Africa and the African diaspora. **AP Exam in May required.**			
Course Numbers: • Course Number has been requested			

Mathematics AP® Courses

AP Pre-Calculus	Grade Level: 9-12	Credit: 1	GPA weight 5.0
Prerequisite/Notes: Algebra 2, Geometry			
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. **AP Exam in May required.**			
Course Numbers: • 3419 APPreCal GP • 3425 APPreCal P			

AP Statistics	Grade Level: 9-12	Credit: 1	GPA weight 5.0
Prerequisite/Notes: Algebra 2, Geometry			
Course Description: The AP Statistics course is designed to meet the needs of students who possess sufficient mathematical maturity and quantitative reasoning ability. Juniors who anticipate taking advanced science during their senior year will benefit from this course. Students who would otherwise take no math course as seniors will benefit from continuing to develop their skills in AP Statistics. Seniors who will take calculus in college may want to take AP Statistics while they are taking Honors Pre-Calculus. AP Calculus AB or BC students are also encouraged to take the course. AP Statistics examines four major themes: exploratory analysis; planning and conducting a study; probability; and statistical inference. The course includes using technology, designing projects, solving problems in cooperative groups, and writing to communicate statistical findings. **AP Exam in May required.**			
Course Numbers: • 2478 APSTATS P • 4678 APSTATSGP			

AP Calculus AB	Grade Level: 9-12	Credit: 1	GPA weight 5.0
Prerequisite/Notes: Pre-Calculus			
Course Description: AP Calculus AB is a college-level course, which follows the content requirements as prescribed in the College Board publication, *Advanced Placement Course Description: Mathematics (Calculus AB, Calculus BC)*. Expectations of students in this class include a thorough knowledge of Algebra II and the topics from Pre-calculus. **AP Calculus AB is roughly**			

equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. The AP course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically; and verbally and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results and support conclusions. A major goal of AP Calculus AB is to prepare able mathematics students for the challenge of advanced study in the fields of mathematics, science or engineering. The focus of the course is the preparation of students for the AP exam for college credit. **AP Exam in May required.**

Course Numbers:

- 2486 APCALAB P
- 4676 APCALCAB GP

AP Calculus BC	Grade Level: 9-12	Credit: 1	GPA weight 5.0

Prerequisite/Notes: Pre-Calculus and teacher recommendation

Course Description: AP Calculus BC is roughly equivalent to both first and second semesters college calculus courses and extents the content learned in AB to different types of equations and introduces the topic of sequences and series. The AP course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, and series. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. Students must be willing to work both in and out of class and collaborate with classmates to foster mutual understanding and a sincere desire to learn. The focus of the course is the preparation for the AP exam for college credit. **AP Exam in May required.**

Course Numbers:

- 2492 ABCALCBC P
- 4677 APCALCBC GP

Science AP® Courses

AP Biology	Grade Level: 10-12	Credit: 1	GPA weight 5.0
Prerequisite/Notes: Biology and Chemistry			
Course Description: AP Biology is designed to be the equivalent of a college biology course for majors usually taken during the first college year. It presents, in detail, major categories to cover three primary areas: Molecules and Cells, Heredity and Evolution, and Organisms and Populations. It is a fast-paced course that utilizes a college-level textbook and ancillary material in which laboratory applications are employed. Students must be able to quickly grasp concepts and apply knowledge. A strong math background is recommended. The focus of the course is the preparation of students for the AP exam for college credit. ***Recommended as a Third- Year or Fourth- Year choice.*** **AP Exam in May required.**			
Course Numbers: • 2509 AP BIO P • 4670 AP BIO GP			

AP Chemistry	Grade Level: 10-11	Credit: 1	GPA weight 5.0
Prerequisite/Notes: Honors Chemistry and Algebra II			
Course Description: AP Chemistry is a fast-paced, in-depth study of the structure of matter, the states of matter, reactions, calculations, descriptive chemistry, and laboratory work. Students will be expected to be able to express ideas orally, in writing, and with clarity and logic. The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. College textbooks are used for reading resources as well as various computer software designed as a means of reinforcement and for tutorials. The focus of the course is the preparation of students for the AP exam for college credit. **AP Exam in May required.**			
Course Numbers: • 2515 AP CHEM P • 4672 AP CHEM GP			

AP Physics 1	Grade Level: 10-12	Credit: 1	GPA weight 5.0
Prerequisite/Notes: Biology, Algebra I, Algebra II, and prior or concurrent enrollment in Geometry			
Course Description: This course 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; mechanical waves and sound; introduces			

electric circuits; and employs laboratory applications. The focus of the course is the preparation of students for the AP exam for college credit. **AP Exam in May required.**
Course Numbers: • 2519 AP PHYSICS 1 P • 3234 AP PHYSICS 1 NC • 4674 AP PHYSICS 1 GP

AP Physics 2	Grade Level: 11-12	Credit: 1	GPA weight 5.0
Prerequisite/Notes: AP Physics 1 and prior or concurrent enrollment in pre-calculus			
Course Description: This course is the equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics, thermodynamics, electricity, and magnetism; optics; atomic and nuclear physics; and employs laboratory applications. The focus of the course is the preparation of students for the AP exam for college credit. **AP Exam in May required.**			
Course Numbers: • 2559 AP PHYSICS 2 P • 3202 AP PHYSICS 2 S • 3236 AP PHYSICS 2 NC • 4675 AP PHYSICS 2 GP			

AP Physics C: Mechanics	Grade Level: 11-12	Credit: 1	GPA weight 5.0
Prerequisite/Notes: Physics, Algebra I, Algebra II, Geometry, Precalculus, and prior or concurrent enrollment in Calculus, and optional concurrent enrollment with AP Physics C: Electricity and Magnetism in the same academic year.			
Course Description: In this first semester course, the primary emphasis is devoted to mechanics. The use of calculus in problem-solving and in derivations is expected to increase as the course progresses. Calculus is used freely in formulating principles and in solving problems in which laboratory applications are employed. The focus of the course is the preparation of students for the AP exam for college credit. **AP Exam in May required.**			
Course Numbers: • 4683 AP PHY C: Mechanics P – Semester 1 • 4682 AP PHY C: Mechanics GP – Semester 1			

AP Physics C: Electricity & Magnetism	Grade Level: 11-12	Credit: 1	GPA weight 5.0

Prerequisite/Notes: Physics, Algebra I, Algebra II, Geometry, Precalculus, and prior or concurrent enrollment in Calculus, and optional concurrent enrollment with AP Physics C: Mechanics in the same academic year.
Course Description: In this second-semester course, the primary emphasis is on classical electricity and magnetism. Calculus is used freely in formulating principles and in solving problems in which laboratory applications are employed. The focus of the course is the preparation of students for the AP exam for college credit. **AP Exam in May required.**
Course Numbers: ● 4681 AP PHY C: Electricity and Magnetism P – Semester 2 ● 4680 AP PHY C: Electricity and Magnetism GP – Semester 2

AP Environmental Science	Grade Level: 11-12	Credit: 1	GPA weight 5.0
Prerequisite/Notes: one unit of high school life science, one unit of high school physical science, and Algebra I			
Course Description: The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Environmental science is interdisciplinary: it embraces a wide variety of topics from different areas of study in which laboratory applications are employed. **AP Exam in May required.**			
Course Numbers: ● 2520 AP-ENVIR P ● 4671 AP-ENVIR GP			

Languages Other than English AP® Courses

AP Spanish Language and Culture	Grade Level: 9-12	Credit: 1	GPA weight 5.0
Prerequisite/Notes: Spanish III Honors			
Course Description: This course counts as Spanish IV and is a college level Spanish language course equivalent to a 5th or 6th semester advanced composition college course. It is intended for those who have chosen to develop their proficiency in all four language skills: listening, speaking, reading and writing. The course emphasizes the use of standard Spanish at both the informal and academic level. The focus of the course is language proficiency directed toward the AP/ IB exam for college credit. The teachers and the students will interact exclusively in Spanish. **AP Exam in May required.**			
Course Numbers: • 2439 APSPALAN P			

AP Spanish Literature and Culture	Grade Level: 10-12	Credit: 1	GPA weight 5.0
Prerequisite/Notes: AP Spanish Language (Spanish IV)			
Course Description: This course counts as Spanish V and is the of a third-year college Introduction to Hispanic Literature course. The reading list includes authors from seven centuries of Hispanic literature. Students will read authentic editions including works from the Medieval and Golden Age, Nineteenth Century, and Twentieth Century. Students enrolling in this course should be proficient in the four areas of language: listening, speaking, reading, and writing. There is much emphasis on reading and writing at this level of study. **AP Exam in May required.**			
Course Numbers: • 2939 APSPALIT P			

AP Latin	Grade Level: 11-12	Credit: 1	GPA weight 5.0
Prerequisite/Notes: There are no prerequisites; however, students are typically in their fourth year of high-school-level study			
Course Description: The AP Latin course focuses on the in-depth study of selections from two of the greatest works in Latin literature: Vergil's Aeneid and Caesar's Gallic War. The course requires students to prepare and translate the readings and place these texts in a meaningful context, which helps develop critical, historical, and literary sensitivities. Throughout the course, students consider themes in the context of ancient literature and bring these works to life through classroom			

discussions, debates, and presentations. Additional English readings from both of these works help place the Latin readings in a significant context. **AP Exam in May required.**
Course Numbers: • 2433 APLATVG P

Fine Arts AP® Courses

AP Art-Drawing Portfolio	Grade Level: 9-12	Credit: 1	GPA weight 4.5
Prerequisite/Notes: Portfolio Review and Teacher Approval; $35.00 Fee			
Course Description: This class will develop portfolios for evaluation at the end of the school year. This class is designed for students who are seriously interested in the practical experience of art. The quest for quality of both production and experience in the AP Studio Art Program makes active demands on the students. Students must be highly motivated. Students must submit a "Drawing" portfolio and cannot duplicate the selection from the previous year. The submission of a portfolio fulfills the AP Exam requirement. The focus of the course is the preparation of students for the AP portfolio evaluation for the college credit. **AP Portfolio Submission in May required.**			
Course Numbers: • 25897 APSTARTD P			

AP Art - Two-Dimensional Design Portfolio	Grade Level: 9-12	Credit: 1	GPA weight 4.5
Prerequisite/Notes: Portfolio Review and Teacher Approval; $35.00 Fee			
Course Description: Students will develop portfolios for submission to the College Board for evaluation. The portfolio is intended to address a very broad interpretation of two-dimensional (2-D) design issues. Students are expected to demonstrate proficiency in a variety of art forms including typography, photography, collage, fabric design, illustration, graphic design, painting, etc. Submission of the portfolio fulfills the AP exam requirement. The focus of the course is the preparation of students for the AP portfolio evaluation for college credit. **AP Portfolio Submission in May required.**			
Course Numbers: • 25737 AP2DDP P			

AP Art - Three-Dimensional Design Portfolio	Grade Level: 9-12	Credit: 1	GPA weight 4.5
Prerequisite/Notes: Portfolio Review and Teacher Approval; $35.00 Fee			
Course Description: Students will develop portfolios for submission to the College Board for evaluation. The portfolio is intended to address a very broad interpretation of sculptural issues in depth and space. Students are expected to demonstrate proficiency in a variety of approaches to representation, abstraction, and expression including, but not limited to, sculpture, architectural models, apparel, ceramics, three-dimensional fiber arts or metal work, etc. Submission of the portfolio fulfills the AP exam requirement. **AP Portfolio Submission in May required.**			
Course Numbers:			

- 25887 AP3DDP P

AP Music Theory	Grade Level: 11-12	Credit: 1	GPA weight 4.5
Prerequisite/Notes: Eligible students must be current members of the school's band, choir or orchestra and demonstrate sufficient skill on an entry-level assessment exam.			
Course Description: Research project will include an in-depth study of complete musical scores, including analysis, historical perspectives, and biographical information of composers. Students will be required to attend approved concert performances (both professional and semi-professional) and complete a written critical evaluation of each performance. One full choral or orchestral composition work must be composed by the student and shall be presented in both written score and recital performance format during the year. The focus of the course is the preparation of students for the AP exam for college credit. **AP Exam in May required.**			
Course Numbers: ● 46517 APMUSTHY P			

Technology AP® Courses

AP Computer Science Principles	Grade Level: 9-12	Credit: 1	GPA weight 5.0
Prerequisite/Notes: Algebra 1, This course can be used as a foreign language credit. Please check with your college to make sure they will accept it for college entrance purposes.			
Course Description: AP Computer Science Principles introduces students to the breadth of the field of computer science. In this course, students will learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They will incorporate abstraction into programs and use data to discover new knowledge. Students will 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. It is important to note that the AP Computer Science Principles course does not have a designated programming language. Teachers have the flexibility to choose a programming language(s) that is most appropriate for their students to use in the classroom. **AP Exam in May required.**			
Course Numbers: ● #### APCOSC PRIN P ● 2000 APCOSC PRIN GP			

AP Computer Science A	Grade Level: 11 - 12	Credit: 1	GPA weight 5.0
Prerequisite/Notes: Algebra 1, This course can be used as a foreign language credit. Please check with your college to make sure they will accept it for college entrance purposes. This course satisfies a math credit requirement for students on the Foundation High School Program.			
Course Description: AP Computer Science A introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language. **AP Exam in May required.**			
Course Numbers: ● 4497 APTACS1A P			