Asia American International Academy

2017-2018

COURSE PROGRAM

A caring community dedicated to student success
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Curriculum Overview

Dear AAIA Family,

Asia American International Academy is founded on holistic, vertically aligned, interdisciplinary learning with the intention of mentoring students into self-aware lifelong learners ready for the challenges and opportunities after graduation so that they may succeed each and every day while actively pursuing their personal and career goals. Consequently, AAIA has adopted teaching best practices, Common Core State Standards, WASC recommendations, and the College Board’s Advanced Placement program as the focal point of our curriculum.

Please peruse this course program as a testament to our curricular vision as it provides course descriptions and program breakdowns for both our middle school, grades 6-8, and high school, grades 9-11, with 12th grade opening in the 2018-2019 academic year. For specific school policies and procedures please consult the official school handbook, and for more specific curriculum inquiries please contact the Academic Affairs department.

AAIA lives by the creed that “the best teachers inspire students to discover the teacher within.” Therefore, we are proud to play an integral role in shaping our students’ path of lifelong learning and global citizenry and look forward to involving, and working closely with each and every one of you.

Respectfully submitted,
AAIA Executive Committee
High School Graduation Requirements

High school students in grades 9 through 12 work towards earning a specific number of graduation credits each year. Year long courses are worth one credit; when offered, one semester courses are worth a ½ credit. Students must pass each course in order to obtain credit. These requirements were established in order to meet California’s minimum graduation requirements as well as match industry leading international schools to better prepare our students for entrance into respected colleges and universities. For students interested in the Minimum Alternative Requirement Route, please speak with the College & Career Readiness department.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Required for College Readiness</th>
<th>Minimum Alternative Requirements</th>
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<td>English Language Arts</td>
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<td>Mathematics</td>
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<td>Science</td>
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<td>World Language</td>
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<td>Physical Education</td>
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<td>Visual or Performing Arts</td>
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<td>Chosen: theatre, dance, drama, music, or visual art.</td>
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<td>Speech</td>
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<td>Total Minimum Credits Required</td>
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<tr>
<td>Service Learning</td>
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Service Learning

Recognizing that school is more than an accumulation of credits and co-curricular activities, AAIA has implemented a service learning graduation requirement so that our students will recognize that stewardship produces benefits both personally and to the community. Students will perform at least eighty (80) hours of community service during their years of high school, or 20 hours per high school year enrolled at AAIA. These hours are documented, and signed-off by the College & Career Readiness Department. At least 50% (40 hours) must be done outside of the AAIA building and community. Students should engage in activities that further develop their moral and ethical character.
Course Descriptions
Middle School (Gr 6-8)

ART

Visual Arts - Grade 6 - ART-MS-0405
This course concentrates on the elements of art, which is the foundation for all artwork. Due to the variation of time, two-dimensional and three-dimensional art projects should be introduced according to the length of course. Required art vocabulary, reading and writing assignments are included in the course work. The five components in the California State Visual and Performing Arts Framework are addressed. A portfolio is developed and a number of art-related careers are discussed.

Visual Arts - Grade 7 - ART-MS-0410
Students will experiment with many two-dimensional and three-dimensional art forms, such as drawing, painting, perspective, and three-dimensional art building upon the objectives developed in Art 6. Emphasis is placed on the art elements and principles of design throughout the course. A variety of materials and processes are explored together with appropriate reading, writing, and vocabulary. The five components in the California State Visual and Performing Arts Framework are addressed.

Visual Arts - Grade 8 - ART-MS-0415
Each semester is organized around new materials and new projects selected by the teacher, using progressively more advanced techniques in two-dimensional and three-dimensional art forms. Emphasis is placed on the art elements and principles of design throughout the course. Reading, writing, and vocabulary are incorporated into each lesson. A variety of art career are introduced. The five components in the California State Visual and Performing Arts Standards. Students must have at least one semester of art in the seventh grade or obtain permission from the art instructor before being enrolled in this course.

COMPUTER TECHNOLOGY

Computer Science 7 - COM-MS-0620
This course will introduce database skills and the development of spreadsheets. Students will continue to practice word-processing skills through the semester and will improve their speed and accuracy. Students will use appropriate terminology related to hardware and software throughout the semester. Students will apply technology skills to conduct research and complete core curriculum projects. Students will deal with legal, social and ethical issues related to the use of computers in our daily life. This course will prepare students for the advanced level of technology in middle school.

Computer Science 8 - COM-MS-0625
This course will build on proficiencies acquired in Computer Science 7. Students will integrate previously learned tools, i.e. word processing, multimedia, spreadsheet and database, into a cumulative
Web design project. Students will create their own web page, which will showcase their proficiencies. Students will use appropriate technology skills to conduct research and complete core curriculum projects, e.g. historical research, scientific and math investigations, and language arts writing projects. Emphasis on desktop publishing will provide additional opportunities for students to demonstrate application of skills previously learned. Legal, social and ethical issues related to the use of computers in our daily life will continue to be reinforced.

**DRAMA**

**Middle School Performance - ART-MS-0450**

Middle School Performance serves as an introductory exploration into the world of theater arts. In this course, students will develop a better understanding of how to read, interpret and perform dramatic scripts, bringing characters from the page to life on the stage. They will explore their own strengths and face personal challenges as they learn to work effectively with a cast, crew and director, transforming from a collection of individuals into a cohesive team driven by a unified purpose. The semester will begin with short scene studies and culminate with student-performed one-act plays. This course will include all aspects of performance by integrating, drama, music and writing.

**ENGLISH LANGUAGE ARTS**

**English Language Arts 6 - ELA-MS-0005 / 0010**

English Language Arts 6 is a compulsory 6th grade course designed to motivate and challenge students to improve their reading, writing, listening and speaking skills and strategies using an integrated and interrelated approach. This course follows the instructional scope and sequence described by the Common Core State Standards (CCSS). Students will use technology and digital media strategically to enhance their reading, writing, speaking, listening and language use.

**English Language Arts 7 - ELA-MS-0020 / 0015**

English Language Arts 7 is a compulsory 7th grade course challenging students to improve their analytical reading; expository, persuasive, narrative, and expressive writing; listening; and oral communication and presentation skills while simultaneously engaging them with a rich variety of narratives, historically-linked thematic literature, and nonfiction in order to provide students a stimulating interdisciplinary environment. This course follows the instructional scope and sequence described by the Common Core State Standards, providing rigor appropriate to the 7th grade level.

**English Language Arts 8 - ELA-MS-0025 / 0030**

English Language Arts 8 is a compulsory 8th grade course motivating and challenging students to implement the reading, writing, listening, and writing strategies, as dictated by Common Core standards, necessary to be successful in high school. Additionally, the course will supplement essential content from the corresponding American History course and will also take advantage of students’ emerging maturity by exploring themes such as the complexity of friendship and the necessity of social and gender equality across multiple mediums.

**HUMANITIES**

**Ancient World History 6 - HUM-MS-0205 / 0210**
Ancient World History is a comprehensive survey of the ancient civilizations of all the regions of the world. The time period covers a time span beginning with the roots of human civilization upwards to the Fall of Rome in 476 CE. Students will acquire a better understanding of multiple disciplines within the areas of archaeology, history, and anthropology as well as the social, political, cultural and economic aspects of ancient civilizations of Asia, Africa, and Europe. Ancient World History acts as a primer for the continued study of medieval history in Medieval World History, taken in Grade 7.

Medieval World History 7 - HUM-MS-0215 /0220
Medieval World History is a comprehensive survey of the societies and empires of the world during the medieval and classical period with an emphasis placed on the development of western culture from the fall of Rome through the Renaissance period. Topics in the course will review the practices related to historical study, the rise of the Islamic regions, African empires, classical Asian societies, and American civilizations. There will also be a focus on western culture as students track the fall of the Roman Empire, Europe’s descent into the medieval period, and eventual rise into the Renaissance, Reformation, and Enlightenment period. Students completing this course will possess a broad historical framework for further study in modern world history or geography and an understanding of how medieval and early modern civilizations helped create the world we live in today.

U.S. History 8 - HUM-MS-0225 / 0230
United States History is an introductory course encouraging students to study the critical events, issues, and individuals in the history of the United States from colonization to 1880. It begins with a selective review of the Age of Exploration, the colonial period and the American Revolution. The major focus of the year is the development of the Constitution, the impact of the Westward Movement, and the struggles of the Civil War and Reconstruction. All units include an examination of the impact of economics, politics, and social history on the development of the United States. The five themes of geography (location, movement, region, place, and human-environmental interaction) are woven into all the units, with emphasis on how geography affected the development of the growing nation.

MATHEMATICS

General Math 6 - MTH-MS-0105
General Math 6 is a required course for all students in grade 6. This course is designed to strengthen understanding of a broad range of mathematical concepts and skills in order to prepare students for success in Pre-Algebra. Mathematical concepts studied include fractions and decimals, ratios and rates, algebraic expressions, equations and inequalities, geometry, statistics, and data representation.

Pre-Algebra 7 - MTH-MS-0110
Pre-Algebra is a required course for all grade 7 students. The course introduces new mathematical concepts such as rational numbers, transformations, angles in triangles, and the Pythagorean Theorem. The focus of this course is to continue to build the foundation necessary for the study of Algebra. Due to the accelerated pacing, the instruction will be rigorous and concentrated on developing a stronger base for previous skills and newly introduced skills.

Algebra One 8 - MTH-MS-0115
Algebra One is a required course for all grade 8 students. This course is an introduction to the applications of number and quantity, algebra, functions, and statistics and probability. During the course, multiple concepts from the previous year will be revisited to continue building on knowledge and skills.
The course will focus on formulating and reasoning about expressions and equations, modeling, basic statistics with linear equations, and advancing student’s basic knowledge of algebra.

**MUSIC**

**Music 6 - MUS-MS-0505**
Music 6 is an introductory class introducing students to the basic concepts of music including, the fundamental elements of music, reading music notation, music appreciation and instruments of the orchestra. Students will begin a three-year study of music history and develop their lifelong music appreciation ability. In the class, students will be participating in various group activities to finish their group projects.

**Music 7 - MUS-MS-0510**
Music 7 is an extension of the curriculum and skills taught in 6th grade. The emphasis of the course is on exploring various styles of music through composition and performance. Students study rhythm, melody, chord, scale and harmony to increase their ability to compose music. In the class, students will be participating in various group activities to finish their group projects.

**Music 8 - MUS-MS-0515**
Music 8 is an introductory class which provides students understanding of music through the music performance. It is an extension of the curriculum and skills taught in 7th grade and a preparation class for the high school music courses. The emphasis of the course is on students’ performance skills through singing or instrumental playing. Students will sing and perform various repertoire from different genres and gain their musical experiences from different styles of music.

**PHYSICAL EDUCATION**

**Physical Education / Health 6 - PED-MS-0805**
This course is designed to engage students in physical activity while exposing them to the basics of athletic and fitness endeavors. Students will engage in several different sports per semester and learn the basic rules and athletic principles that govern each activity. The mission of health class is to develop a productive citizen who will continue to build their health literacy and apply it to the world around them. Students will be able to promote health in their community and throughout their lifetime. A holistic approach to health and well-being will be the main focus as well as establishing lifelong healthy habits.

**Physical Education / Health 7 - PED-MS-0810**
This course will help students understand individual fitness levels and how to obtain the skills to self-analyze through practical applications as well as fitness testing and written assessments. A variety of sport activities and possible dance units will be integrated into the curriculum. A variety of mainstream sports will be covered with a focus on athletic movements, strategies and proper fundamentals. The health portion will include discussions of values, peer pressure and decision-making, with a focus on healthy relationships and personal nutrition. A major goal is for each student to take personal responsibility for their health and well-being while attempting to make positive lifestyle changes.
Physical Education / Health 8 - PED-MS-0815
This course provides opportunities for students to develop the basic and intermediate skills in a variety of sports. These activities and sporting concepts will be skills they can use now and in the future. Students will be able to explore and learn in a cooperative class environment as well as learn new strategies to familiar games. The health portion will focus on raising awareness of a lifelong commitment to one’s health. Physical, mental, emotional, and spiritual health concepts will be covered as well as developing critical thinking skills, using accurate information. This course is designed to provide students an opportunity to examine and increase their basic knowledge of healthful living.

SCIENCE

Earth Science 6 - SCI-MS-0305 / 0310
Earth Science 6 is a required course for all students in grade 6. This course is aligned with the Next Generation Science Standards (NGSS) to help students understand the physical nature of planet Earth. Through a variety of readings and hands-on experimentation students will learn about processes that shape Earth’s surface, the concept of atmospheric circulation and how it relates to weather and climate, and the Earth and its relationship to objects in space. Students will practice conducting scientific investigations and constructing scientific explanations, based on evidence.

Life Science 7 - SCI-MS-0315 / 0320
Life Science 7 is a required introductory level course designed to enable students to explore basic biological concepts in a laboratory setting. Concepts covered include cell structure and function, heredity, evolution, plant and animal systems, and ecology. Students are introduced to the use of scientific tools and methods used for investigations.

Physical Science 8 - SCI-MS-0325 / 0330
Physical Science 8 is a required course which emphasizes inquiry, safety skills, the scientific method, measuring, the use of laboratory equipment, and record keeping. Through a series of carefully structured investigations, students study properties of matter, basic chemistry, forces and motion, work, temperature and heat, and waves, and physical and chemical changes.

WORLD LANGUAGES

Spanish One 8 - WLG-SP-0705
Spanish One is an introductory middle school course familiarizing students with Spanish language and culture. The emphasis of this course is on developing skills such as listening comprehension, speaking, reading, and writing. Basic grammar is introduced through conversation. This class involves individual work, small group work, and class participation in order to build these language skills. The culture and language are explored through a variety of activities including: audio-visual materials, individual and group projects, and role-playing. There is no prerequisite for enrolling in this course. Spanish I meets four times per week throughout the year. This course is a prerequisite for Spanish Two. Students who successfully complete this course in grade 8 are welcome to enroll in Spanish Two the following year with the approval of the teacher. If students are allowed to enroll in Spanish Two once they reach high school they will receive high school credit for this course.
Course Descriptions
High School and Advanced Placement (Gr 9-11)

ART

Art and Design Foundations - ART-HS-0420
Art and Design Foundations is a comprehensive course written for beginning level artists. This course includes interactive activities and multicultural studio projects representing a wide variety of cultures, artistic styles and art media. This course is designed to enrich the lives of its participants through discovery and creative problem solving. It provides students with a broader perception of their environment and cultural perspectives. There is no prerequisite for this course. This course is a prerequisite for 2D and 3D Studio Level Art and counts for 1 credit towards the Visual & Performing Arts requirement.

Studio Art 2D - ART-HS-0425
This course introduces students to classical and contemporary Two Dimensional techniques and concepts, with emphasis on the understanding of their formal language and the fundamentals of artistic expression. Vigorous training provided will prepare students to gain an understanding of a professional fine art career. Drawing, painting, and printmaking are geared towards realism; at the same time, various other styles might be explored. Linear perspective, pictorial composition, figure/ground relationships, shading techniques, painting techniques, tonal value, visual perception, spatial concepts, and critical thinking skills are all emphasized extensively. We will study and research major drawing and painting style movements in historical context. This course counts for 1 credit towards the Visual & Performing Arts requirement.

Advanced Placement Studio Art 2D - ART-AP-0430
Students will study 2-D design. Students will have the opportunity to compile a portfolio of their best work for submission to and review by the College Board. Submissions will be in the form of digital images uploaded to the College Board web site and actual work. Students will submit a 2-D portfolio; the 2-D Design portfolio may include photography and digitally produced designs with an emphasis on compositional components. 2-D Design Portfolio: Students will expand their two-dimensional design skills and advance their visual communication skills by exploring a variety of design processes and techniques, and compositional and aesthetic concepts. Portfolios consist of three sections:

• Breadth: This section of 12 works in slide form shows a variety of drawing or design approaches using different techniques, compositions, and media. The student’s work in this section should demonstrate understanding of the principles of design, including unity/variety, balance, emphasis, contrast, rhythm, repetition, proportion/scale, and figure/ground relationship. Successful works of art require the integration of the elements and principles of design; students must therefore be actively engaged with these concepts while thoughtfully composing their art. The work in this section should show evidence of conceptual, perceptual, expressive, and technical range.
• Concentration: This section of 12 works in slide form shows the development of a unifying theme or idea. A concentration is a body of related works describing an in-depth exploration of a particular artistic concern. It should reflect a process of investigation of a specific visual idea. It is not a selection of a variety of works produced as solutions to class projects or a collection of works with differing intents. Students should be encouraged to explore a personal, central interest as intensively as possible; they are free to work with any idea in any medium that addresses two-dimensional design issues. The concentration should grow out of the student’s idea and demonstrate growth and discovery through a number of conceptually related works. In this section, the evaluators are interested not only in the work presented but also in visual evidence of the student’s thinking, selected method of working, and development of the work over time.

• Quality: This section consists of five actual “best” works.” These works may not exceed 18” by 24” is size. Quality refers to the total work of art. Mastery of design should be apparent in the composition, concept, and execution of the works, whether they are simple or complex. There is no preferred (or unacceptable) style or content. This course counts for 1 credit towards Visual & Performing Arts Requirement.

Communication Design - ART-HS-0435
Communication Design was developed to help to prepare students for the presentation and graphical projects and assignments that they will encounter in middle school, high school and college. This course is an introduction to the fundamental components of the human communication process, emphasizing selected methods and practice in, publishing, graphic design, and presentational settings. The course covers such areas as information gathering, message design, audience considerations, verbal/nonverbal approaches, delivery strategies, and related media technology support resources. There is a heavy emphasis on student speaking and graphic media assignments throughout the year.

COMPUTER TECHNOLOGY

Programming One - COM-HS-0645
This course is an introduction to Java Programming emphasizing its foundation in computational thinking, an interdisciplinary method of scientific inquiry. Topics will be taught emphasizing STEM domains and will include, but are not limited to: data types, variables, and arithmetic operations, strings, arrays, streams and files, graphics, and methods and constructions. Students will also gain experience with object oriented programming and project-based learning. Students will utilize ideas of computer graphics and game programming and its application in building mathematical models that are of interest to scientists and engineers.

Publishing - COM-HS-0431
Publishing will introduce students to print, digital, and broadcast journalism in order to train them to write, design, edit, and publish their own publications. Students are taught a variety of writing techniques and styles within a diverse selection of journalistic mediums. Students will also learn the technical skills necessary for effective verbal/visual publications. Students will cover such areas as page layouts, creating graphics, importing and manipulating graphics, creating and manipulating text, designing effective publications, adding special effects, coloring, and working with scanned images. As a result, the students will have an opportunity to contribute towards the production of the AAIA Yearbook.
DRAMA

Theatre Arts - ART-HS-0432
Theater Arts serves as a continuation of theater studies by delving deeper into the more nuanced aspects of a dramatic production. Through in-depth character analysis, students will utilize active reading and listening skills to bring each role to life, gaining appreciation for the profound effects their subtle character choices have, not just on their individual character, but on the entire production. Student directors will learn the importance that teamwork, leadership, compromise and communication play in any production, while student playwrights will hone their writing skills to effectively deliver the messages most important to them. The semester will culminate with a series student-written, directed and performed one-act plays.

ENGLISH LANGUAGE ARTS

Introduction to Literature: Genres & Mediums - ELA-HS-0035
Introduction to Literature: Genres & Mediums is a required 9th grade course exposing students to a variety of mediums and genres within children’s literature, short fiction, novels, non-fiction, graphic novels, poetry and drama in order to develop the necessary college and career ready skills as dictated by Common Core standards. This course is also aligned to Pre-AP strategies and content to prepare students for possible enrollment in Advanced Placement English Language and Literature courses. Introduction to Literature: Genres & Mediums meets five times in each two-week rotating block cycle throughout the year.

British Literature: Evolution of the English Language & Literature - ELA-HS-0040
British Literature: Evolution of the English Language & Literature is a required 10th, 11th, or 12th grade English Language Arts course motivating and challenging students to implement the reading, writing, listening, and writing strategies, as dictated by Common Core and NCTE standards in addition to Pre-AP strategies in order for students to explore the etymological development of the English language as they chronologically study classic British works from the Anglo-Saxon period to the 19th century. British Literature: Evolution of the English Language & Literature meets five times in each two-week rotating block cycle throughout the year.

American Literature: Exploration of Literary Movements - ELA-HS-0045
American Literature: Exploration of Literary Movements is a required 10th, 11th, or 12th grade course chronologically introducing students to impactful literary movements in American history in order for students to further develop their analytical reading and writing skills. Students may substitute this course with an Advanced Placement English course. American Literature: Exploration of Literary Movements meets five times in each two-week rotating block cycle throughout the year.

Speech and Writing - ELA-HS-0050
Speech and writing is a required high school course introducing students to public speaking as an important component of their academic and social lives. Students will study different types of speeches, read and listen to models of speeches, and prepare and present their own speeches in order to sharpen communication skills and build confidence in their ability to speak persuasively in front of an audience. Additionally, students will master writing basics as well as learn how to participate meaningfully in oral debate or discussion on a variety of topics. Speech and Writing meets five times in each two-week
rotating block cycle throughout the year, and fulfills the Speech graduation requirement. This is a required course for all students needing English language support.

**Advanced Placement English Language and Composition - ELA-AP-0055**

AP English Language and Composition is an elective 11th, or 12th grade course guiding students to become curious, critical, and responsive readers of diverse texts, and becoming flexible, reflective writers of texts to diverse audiences for diverse purposes. Consequently, this course cultivates and reading and writing skills that students need for college success and for intellectually responsible civic engagement. Given the high rigor of this course, students are expected to complete preparatory work over the summer, in addition following the exam in May students will partake in an intensive college essay writing workshop. Students may substitute this course for another literature course such as British Literature or American Literature. AP English Language and Composition meets five times in each two-week rotating block cycle throughout the year.

**HUMANITIES**

**Geography: Global Perspectives - HUM-HS-0235**

Geography: Global Perspectives will examine the relationships among the environments and inhabitants of Earth. Students will investigate topics in both physical and human geography, including environmental pollution, population growth, economic development, climate change, conflict, and globalization. Students will approach topics and issues of geography through both independent and collaborative study. Students’ understanding of these topics and issues will be assessed through regular quizzes and exams as well as performance-based assignments including projects, papers, and presentations.

**Modern World History - HUM-HS-0240**

Modern World History is a high school course that examines the major political, social, cultural, and economic developments across the world from early modern times to the present. Students will use the historical method of inquiry to analyze and interpret historical events, institutions, and patterns of interaction between individuals and societies in order to understand the origins of the modern world. Through in-depth study of historical topics, students will develop and refine their ability to create persuasive historical arguments based on investigation and analysis of historical evidence.

**World Issues - HUM-HS-0260**

World Issues introduces students to contemporary issues of global importance. The course investigates national and international events and the relationships between different peoples and nations of the world. Students are also introduced to key political ideas and institutions that characterize the political culture of the United States and other nations. Students examine politically significant concepts and themes, assess causes and consequences of events, and interpret data to develop and support evidence-based arguments. The topics covered in this course also assist Model UN students in acquiring relevant knowledge and skills necessary for successful participation at MUN conferences.

**Introduction to Economics - HUM-HS-0245**

Introduction to Economics is a year-long high school (Grades 9-12) elective course (and prerequisite for AP Macro or Micro Economics) introducing students to the concepts, principles, analysis and real-life application of local, national and world economic systems and thought. Students explore how
economics affect them on a daily basis and how they too are already contributing daily within the system. The objective of Introduction to Economics is for students to gain a broad understanding of the role that economics play globally and to gain a better understanding of economic vocabulary and concepts in order to continue with further exploration of the subject. Concepts learned in Introduction to Economics are meant to be part of a student’s ‘basket of knowledge’ in the acquisition of lifelong skills.

Psychology - HUM-HS-0258
The purpose of this course is to introduce the student to the content, terminology, methodology, and application of the discipline. This survey course contains an introduction followed by four units based on the physiological, cognitive, behavioral, and affective domains of psychology. This elective course stresses the application of academic content to the student’s life. At the end of the course students will be able to Understand the nature of human beings, both as individuals and as members of social groups; appreciate psychology, both as an academic discipline and as a body of knowledge relevant to the student’s life and culture; examine the major concepts and theories of psychology; apply critical thinking skills and be aware of the need for careful, objective evaluation of psychological ideas.

Advanced Placement Macroeconomics - HUM-HS-0250
AP Macroeconomics is a year-long course that provides students with a thorough understanding of the principles of economics and how economists use those principles to examine aggregate economic behavior. Students learn how the measures of economic performance, such as gross domestic product (GDP), inflation, and unemployment are constructed and how to apply them to evaluate the macroeconomic conditions of an economy. The course recognizes the global nature of economics and provides ample opportunities to examine the impact of international trade and finance on national economies. Various economic schools of thought are introduced as students consider solutions to economic problems. Topics include basic economic concepts, measurement of economic performance, national income and price determination, the financial sector, economic growth, and the open economy.

MATHEMATICS

Geometry - MTH-HS-0120
Geometry is a graduation requirement for high school. The course focuses on developing special recognition with an emphasis on triangle, circle, ellipse, polygons, and hyperbolas. Mathematical reasoning will be introduced along with a large variety of vocabularies. Students will learn multiple ways to reason and proof theories.

Algebra Two - MTH-HS-0125
Algebra Two is a required course introducing advanced algebraic concepts such as exponential and logarithmic functions, conic sections, trigonometry, and probability. In addition to building on skills learned from Algebra One and Geometry, the course continues to build on improving mathematical skills and knowledge. Work closely with the expressions that define the functions, manipulate algebraic expressions, and continue to expand their abilities to model situations and solve equations.

Pre-Calculus - MTH-HS-0130
Pre-Calculus is an optional mathematics course for students that are interesting in taking AP Calculus AB and/or AP Calculus BC. Students will build upon topics introduced in Algebra II and go more in
depth into the analysis of the functions. Students will also go more in depth with trigonometric problems and proofs, parametric equations and polar equations. The course will also build towards an introduction to Calculus with the basics of limits, derivatives and integrals being taught.

Advanced Placement Calculus AB - MTH-AP-0135
AP Calculus AB is an optional high school mathematics course. Students will learn the rules involving limits of functions and derivatives of functions. Students will apply these rules to application problems involving optimization, related rates and motion in one dimension. A large portion of the course will be dedicated to studying integrals and their applications, such as a method for measuring net change, finding the area between curves, and finding the area of solids.

MUSIC
Music Theory One - MUS-HS-0502
Music Theory One is a course designed to develop students’ visual and aural understanding of the structure of music. In this course, students will learn to read various musical elements, such as intervals, tonalities, scales, chords, pitch notations, and transposition. As students learn these various aspects of music theory, they will undergo ear training to teach them to recognize these elements aurally as well.

Advanced Placement Music Theory - MUS-AP-0530
The Advanced Placement Music Theory class is an advanced class challenging students to develop the ability to recognize and understand the music materials into a deep level based on their knowledge of music theory. The topics of the class are: notation skill, tonalities, intervals, chords, transposition, figured bass, four-part harmony writing, dictation, and sight-singing. Students will use listening, writing, composing, and analytical exercises to develop their skills.

PHYSICAL EDUCATION
Physical Education - PED-HS-0820
The high school Physical Education program seeks to expose students to a wide variety of team and individual sports with fitness concepts weaved throughout. This exposure will give students opportunities for growth both physically and socially. The team sport units will help students work collaboratively in a variety of pressure situations while honing athletic skills. The individual sports and fitness units will develop personal responsibility with a focus on self-improvement.

Health - PED-HS-0840
The objective of high school health class is to introduce the principles of holistic health through nutrition, aerobic fitness, mental, social, and emotional wellness. The course includes discussion of values, peer pressure, decision making, healthy relationships, sexuality, personal nutrition, fitness, and emotional health, preventing and fighting disease, and facing life’s challenges. The course is designed to provide students an opportunity to examine and increase their basic knowledge of healthful living. Thoughtful discussion is encouraged. A major goal for this course is for each student to take personal responsibility for their health and well-being while attempting to make positive lifestyle changes.

SCIENCE
Biology - SCI-HS-0335
Biology is a required high school course involving a more complex understanding of cells, genetics, ecology, evolution, and human physiology. Students build on basic principles related to these topics by exploring the cellular organization and the classification of organisms; the dynamic relationships among organisms, populations, communities, and ecosystems; and change as a result of the transmission of genetic information from generation to generation. Concepts and skills are reinforced by a strong emphasis on hands-on laboratory experiences and the integration of other branches of science. Applications to society, individuals, and the utilization of technology are included, as is consideration of the impact of human activity on biological systems. General Biology meets four times weekly throughout the year.

Chemistry - SCI-HS-0350
Chemistry is an introductory high school science course providing students with an understanding of chemical principles and skills needed for college. Topics will be presented to increase awareness and understanding of the role of chemistry in everyday life and environmental issues. The course emphasizes laboratory investigation, the atomic and molecular structure, chemical bonding, conservation of matter and stoichiometry, properties of gases, acids and bases, solutions, chemical thermodynamics, reaction rates and equilibrium, organic and biochemistry and nuclear chemistry. The suggested prerequisites for enrolling in Concepts in Chemistry are satisfactory completion of Algebra One and Biology. This course is a prerequisite for Advanced Placement Chemistry or Physics.

Physics - SCI-HS-0340
Physics is a course designed for students with a strong foundation in mathematics and the physical sciences. This course is a standards-based study of fundamental physics concepts such as measurement, calculation, and graphing in kinematics and dynamics, propagation and conservation of energy and momentum, gravitation and orbital mechanics, heat and thermodynamics, waves, optics, electromagnetic phenomena, and relativity and quantum physics. Coursework involves laboratory activities, in-class assignments and formal assessments that require students to demonstrate problem solving skills in the context of a science scenario. The suggested prerequisites for enrolling in Physics are completion of Chemistry, Algebra Two and Geometry with a grade of B or better. This course is a prerequisite for Advanced Placement Physics and College Sciences.

Environmental Science and Conservation - SCI-HS-0345
The goal of Environmental Science and Conservation is to provide students with the scientific principles required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate risk factors of these problems, and to examine alternative solutions for resolving or preventing them. Emphasis is placed on science as a process, the Earth as an interconnected system, how humans alter the environment, and developing sustainable practices. Students explore case studies and conduct hands on research activities while learning that political and private decisions about the environment and the use of resources require accurate application of scientific processes that include proper data collection and responsible conclusion.

WORLD LANGUAGES

Spanish One - WLG-SP-0705
Spanish One is an introductory high school course familiarizing students with Spanish language and culture. The emphasis of this course is on developing skills such as listening comprehension, speaking, reading, and writing. Basic grammar is introduced through conversation. This class involves individual
work, small group work, and class participation in order to build these language skills. The culture and language are explored through a variety of activities including: audio-visual materials, individual and group projects, and role-playing. There is no prerequisite for enrolling in this course. This course is a prerequisite for Spanish Two. A grade of “C” or higher is strongly recommended in order to be successful in the next level.

**Spanish Two - WLG-SP-0705**

Spanish Two is an intermediate high school course encouraging students to continue to build on the skills developed in Spanish I: speaking, reading, writing, and listening comprehension. Class participation, individual work, and group work remain the focus of the class. Exploration of Hispanic culture will be developed through the use of: audio-visual materials, selected readings, individual and group projects, and role-playing. Spanish One is a prerequisite for this course. This course is a prerequisite for Spanish Three. This course requires teacher approval for enrollment. A grade of “C” or higher is strongly recommended in order to be successful in the next level.
Dear students and parents,

Welcome new students and families to AAIA! For many of you, this is your first experience in an American international school, and the experience can be intimidating.

All classes at AAIA are taught in English, and we expect students to use every aspect of school life to constantly develop language skills, not just in classes, but in clubs, sports, extracurricular activities, as well as socially inside the school and out.

Our EAL (English as an Academic Language) team of teachers is here to help you succeed in an English-language environment. We won’t do the hard work of learning the language for you, but we will help you learn English while you study all content classes, such as Social Studies, Science, English Language Arts, Math, and electives such as Music, PE, and Art. When you graduate from AAIA, you will be able to study and succeed in universities in America, Canada, or other English-speaking countries.

I am excited to get to know every one of you as you join our school community and begin your career as an international school student!

Sincerely,
Ed Eibel, MEd
EAL Coordinator
EAL SKILLS COURSES

EAL Support 6 - 0905
Sheltered and Push-in sixth grade students attend this class to support the academic language needed to succeed in all other classes. The students will study general grammar and vocabulary while receiving additional instruction in Science, Math, Language Arts, and Social Studies.

EAL Support 7 - 0910
Sheltered and Push-in seventh grade students attend this class to support the academic language needed to succeed in all other classes. The students will study general grammar and vocabulary while receiving additional instruction in Science, Math, Language Arts, and Social Studies.

EAL Support 8 - 0915
Sheltered and Push-in eighth grade students attend this class to support the academic language needed to succeed in all other classes. The students will study general grammar and vocabulary while receiving additional instruction in Science, Math, Language Arts, and Social Studies.

EAL Sheltered Skills

TED Talks / Sheltered Support 6-8
Middle school sheltered students attend this class to develop general speaking, listening, reading, and writing skills. The class learns general and technical language through writing assignments and creating presentations. The students also develop listening skills through watching and listening TED Talks about various subjects. This class is designed to develop general language skills the students need for all of their classes, and also some focused instruction to work on specific material for their core classes.
SHELTERED CORE SUBJECT COURSES

Sheltered English Language Arts 6
Sheltered Language Arts gives students still developing their language skills the opportunity to learn Language Arts content but modified for EAL Students. Grade 6 Language Arts focuses on improving listening, speaking, reading, and writing using an integrated and interrelated approach, and the sheltered ELA class does this while developing vocabulary and language skills to succeed in all classes.

Sheltered English Language Arts 7
Sheltered Language Arts 7 gives students still developing their language skills the opportunity to learn Language Arts content at a language level they comprehend. Grade 7 Language Arts focuses on improving reading, writing, listening and oral communication skills. The sheltered ELA course will use a variety of works in different genres.

Sheltered English Language Arts 8
Sheltered Language Arts 8 gives students still developing their language skills the opportunity to learn Language Arts content at a language level they comprehend. Sheltered Grade 8 Language Arts covers themes related to American History and Personal Development, but modified for EAL Students.

Sheltered Humanities 6
Sheltered Humanities 6 gives students still developing their language skills the opportunity to learn Humanities content at a language level they comprehend. The course looks at ancient civilizations of the world and is modified to fit the needs of EAL students.

Sheltered Humanities 7
Sheltered Humanities 7 gives students still developing their language skills the opportunity to learn Humanities content at a language level they comprehend. Grade 7 sheltered humanities looks at medieval history while developing academic language for Social Studies.

Sheltered Humanities 8
Sheltered Humanities 8 looks at growth and crisis in American History. The course is modified to make the material comprehensible to EAL students while developing academic language for Social Studies.

Sheltered Science 6
In Sheltered Science 6 students with higher language needs study the physical nature of the planet Earth at a language level they comprehend. The students work toward meeting the NGSS standards, but instruction is modified to suit their current language level.

Sheltered Science 7
Sheltered Science 7 looks at Life Science in a modified program to cater to the needs of Sheltered EAL students. Students strive to meet the NGSS standards, but the material is modified to improve understanding while developing language skills.

Sheltered Science 8
Sheltered Science 8 gets the students in the lab to learn about Physical Science. Students work to meet NGSS standards, but the course is modified to meet the needs of EAL students.
Middle School Advisory Program

Grades 6-8
Morning Homeroom

Students experience many physical, social, emotional, and intellectual challenges in their lives between grades 6-8. At this critical developmental point in their lives, understanding and acceptance from supportive adults, friends and classmates goes hand in hand with success. Consequently, in order to develop interpersonal skills and promote a warm and caring environment for all learners, AAIA provides the middle school advisory program, in conjunction with the Counseling Department, to help students develop friendships, strong interpersonal skills, as they embody our ROAR standards.

College / Career Advisory Program

Tuesdays 2:30 to 3:30

While students will not officially apply to colleges and universities until their senior year, it’s imperative that students are exposed to the many careers and consequently post secondary options available to them. Consequently, in order to promote college and career readiness, AAIA provides a College / Career Advisory Program once a week for all high school students under the guidance and direction of our College & Career Readiness department.

Curricular Focus

Grade 9: Knowing Oneself, Career Goals
Grade 10: Introduction to Colleges & Majors
Grade 11: Narrowing the College Selection, College Essays
Grade 12: College Applications, Legacy Project