Academic Course Guide
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Dear Parents and Friends of APU,

Welcome to our school. Welcome to the world of quality education. Here at APU we are proud to continue our commitment to academic excellence and personal growth of each student. This has been the goal since we began in 2004.

Here at APU International School, you will find a comprehensive educational program just as you would find in the United States to meet the educational needs of students from kindergarten through 12th grade. We know that our parents expect their children to go on to the finest universities around the world and our goal is to prepare each one to be successful at university and in life.

We admit students from around the world as well as Vietnam and therefore we are prepared to assist those that need intensive English language instruction; however our program allows them to be fully enrolled and participating in regular classes as they develop fluency in English. We consider all of our teachers to be English language teachers as well as teachers of mathematics, history, or science. We believe that every student can be successful and our teachers are committed to meeting the needs of each student.

We are currently involved in the process of becoming a fully accredited school and have achieved candidacy status. We expect to gain full WASC accreditation in the near future.

We welcome you to visit the campus of APU International School of and observe our teachers and students engaged in the learning process. We have an attractive and spacious facility. We are located in District 11, and we offer bus service for the convenience of our families.

Please come for a visit or email me at principal@apu.edu.vn for more information. We look forward to meeting you!

Best Regards,

Roy Douthitt, PhD
Elementary School Academic Program

Pre-School

In Preschool, using a thematic and project approach that integrates the subject areas, students will have the opportunities to develop meaningful skills, processes and understandings in each of the following areas:

Social/Emotional Development

- Independence, self-help skills and responsibility for actions and learning
- Positive social and conflict resolution skills
- Sense of identity and respect for each other’s uniqueness
- Appropriate expression of feelings

Cognitive Development

- Sounds, shape and formation of letters
- Effective use of English language
- Concept of numbers: counting, writing, one-to-one correspondence
- Concepts of shape, size, color, patterns
- Introduction to science subjects through themes such as living/nonliving things, plants, animals, seasons, and the five senses
- Concept of community and their role within it
- Basic computer skills through software and internet
- Beginning music and movement skills

Physical Development

- Development of fine and gross motor skills through construction, writing, painting, sewing, and physical activity
Kindergarten

Language Arts

Grade Level: K

The language arts curriculum begins with early reading skills, including learning about letters’ sounds and shapes, printing of capital and lower case letters, and pre-reading skills such as decoding consonant-vowel-consonant words eventually moving towards greater reading fluency. Upper elementary students come in weekly to read with the students, encouraging cross-age friendships and providing helpful reading models. Kindergarten students learn sight words and enjoy working with rhyming words. They begin exploring the creative writing process by understanding parts of a story and the role of authors and illustrators.

Mathematics

Grade Level: K

Students use a variety of manipulatives to begin learning math concepts such as sorting/classifying, patterns and movement, matching and counting, and geometric shapes. Kindergarteners also learn to recognize and write the numbers from 0-20. Students learn about money (specifically U.S. coins), measurement, and simple addition and subtraction. With an introduction to clocks, students learn to tell time to the hour.

Science

Grade Level: K

Using hands-on activities, students learn about physical science including Matter, Forces and Motion, Simple Machines, Sound, Magnetism, and Energy.

Social Studies

Grade Level: K

Kindergarteners learn about friends and family, various occupations, and working together in class building up to how governments work together. The curriculum guides students into the geography of where we live compared to the rest of the world, as well as into the history of how people have changed over time.
Grade 1

Language Arts 1

Grade Level: 1

The language arts curriculum focuses on phonics, distinguishing beginning, ending and middle sounds, and short and long vowel sounds. Students gain a strong base for future decoding skills, as well as learning a variety of important sight words. After a concentration on phonics, students begin working on their reading comprehension and fluency by reading books in the classroom and at home. Students also work on basic English grammar and writing skills (punctuation, capitalization, nouns and verbs, proper sentences) and learn about rhyming words and making contractions. Students’ progress in their reading comprehension and learn skills in retelling a story, identifying the main idea and the order of events. In the 4th quarter, students complete daily oral language exercises (D.O.L.) and practice creative writing.

Mathematics 1

Grade Level: 1

First graders experience many hands-on math activities. Students utilize personal sets of manipulatives to tell time, learn skip-counting (by two’s, five’s, and ten’s), count money, add and subtract, identify and replicate patterns, along with a variety of other math skills.

Students read and interpret data in bar graphs and learn to identify both solid and plane figures in geometry. Fractions become tasty as students participate in “food fractions,” as they divide and eat the food after cutting it into equal parts. Students work on two digit addition and subtraction problems and are introduced to multiplication and division. They are able to apply what they are learning to real life situations through the “Problem of the Day.”

Science 1

Grade Level: 1

Science focuses on life science and topics studied include: Plants, the Human Body, the Five Animal Kingdoms, the Environment, Life Cycles, and Food Webs.

Social Studies 1

Grade Level: 1

Social Studies begins with learning about our families and communities. Students learn to identify places on a world map and become familiar with many different jobs/careers as well as the difference between needs and wants. The first graders are introduced to U.S. History, with a look at settlement and the Native Americans.
**Language Arts 2**

**Grade Level:** 2  
**Prerequisite:** None

The language arts program helps students develop reading, writing, listening, and speaking skills. Second graders focus on comprehension strategies, independent reading, identification of basic story elements, and sequential retelling of stories. Oral reading with fluency and expression is a goal. Phonics, the use of picture/context cues, and an awareness of sentence structure aid in developing word attack skills. Students write for a variety of purposes and begin to use the writing process, correct mechanics, a broader vocabulary and standard spelling. Listening and responding appropriately are key areas of instruction, as is the ability to express one’s own ideas clearly and confidently.

**Mathematics 2**

**Grade Level:** 2  
**Prerequisite:** None

The use of individual and cooperative hands-on activities and manipulatives helps students develop concepts and skills which lead to logical reasoning and problem solving. The second grade curriculum helps students add and subtract basic facts to 18, add and subtract multiple-digit numbers with and without regrouping, and use a variety of methods to problem solve. Place value, number order to 1000, multiplication and division concepts, two and three dimensional shapes and fractions comprise some of the other topics studied.

Students also learn about the value of coins, to tell time in five-minute increments, to read charts and graphs and to measure length, mass and volume.

**Science 2**

**Grade Level:** 2  
**Prerequisite:** None

The second-grade science program addresses earth science and covers the following topics: Rocks and Minerals, the Solar System, the earth and its Resources, Oceans and Water, Weather, Earthquakes, Tornadoes, and Volcanoes.
Social Studies 2

Grade Level: 2
Prerequisite: None

Second graders learn about the value of communities through a combination of exploration of Ho Chi Minh City, recall of home-countries’ communities, and book study. Students learn map skills, geography terms, and some basic information about their host country of Vietnam. The land of China is studied in more detail and the children begin to do some guided research. Reading and enjoying literature from a variety of Asian cultures encourages students to appreciate the area of the world in which they are currently living.
**GRADE 3**

**Language Arts 3**

**Grade Level:** 3  
**Prerequisite:** None

The grade 3 language arts program focuses on the development of reading comprehension skills through reading a variety of novels, short stories, poetry and non-fiction materials. Students are encouraged to develop an appreciation for literature through literature discussion groups. Writing skills (including how to use the writing process more independently) are developed through daily writing activities such as poetry, journaling, short-stories and guided research reports. Grammar and spelling skills, as well as cursive writing are also a part of daily writing activities. Speaking and listening skills are integrated throughout the program.

**Mathematics 3**

**Grade Level:** 3  
**Prerequisite:** None

Grade 3’s hands-on math experiences allow students to connect their learning to real life situations. Cooperative groups and center activities help students learn problem solving skills. Group work and manipulatives aid in learning the math concepts covered which include multiplication and division facts (0-9), multiplication of two digit by one digit, telling time, geometry and measurement, fractions, and graphs. These math concepts, as well as problem solving and estimation skills, are integrated throughout all subject areas.

**Science 3**

**Grade Level:** 3  
**Prerequisite:** None

Science focuses on physical science at a deeper level and includes the following units: Simple Machines, Properties of Matter, Magnetic and Electrical Energy, Heat, Light and Sound, and Forces and Motion.

**Social Studies 3**

**Grade Level:** 3  
**Prerequisite:** None

The social studies program centers around communities. Through projects, presentations, field trips, research and computer activities students study work, government and the culture of communities including the U.S., Vietnam and the students’ home countries. Students do a study of the history of communities with a focus on the U.S. Mapping and geography skills are integrated throughout the year into the various units.
GRADE 4

Language Arts 4

Grade Level: 4
Prerequisite: None

The literature based language arts program helps students enjoy a variety of genre (realistic fiction, fantasy, historical fiction, fables, tall tales, non-fiction, poetry) while learning to love reading. Daily writing activities, from journaling to research reports, encourage following the writing process and using self/peer editing. Students are encouraged to offer and accept constructive criticism while attempting to evaluate others’ ideas and opinions objectively. Research skills are taught by guided practice. Grammar skills are practiced for effective writing.

Mathematics 4

Grade Level: 4
Prerequisite: None

The grade 4 hands-on math program helps students see how much math is used in real life. Students are encouraged to master basic facts so they may more readily solve a variety of math problems in a logical manner. Answers to problems are examined to see if they make sense, which helps students develop their reasoning skills. Use of manipulates makes work on estimating, multiplying and dividing, probability, graphs, geometry, and measurement more understandable and more fun. Group work is encouraged to help students learn to work cooperatively and collaboratively with others. Math is integrated into science, social studies, language arts, music, computer, and art.

Science 4

Grade Level: 4
Prerequisite: None

The science program is focused on life science at a deeper level and includes the following topics; Plants, Cells, Organisms, Human Body, Animal Kingdom, and Ecosystems.

Social Studies 4

Grade Level: 4
Prerequisite: None

Students build on mapping and graphing skills throughout the year. A study of regions of the U.S. leads to comparisons between the U.S., the home countries of students, and Vietnam. Various field trips to local sites help students compare and contrast these countries. Students go “Down Under” to learn about the history, flora and fauna, and regions of Australia. Finally, students study rain forests of the world, focusing on the forests in Vietnam.
The room becomes a rain forest as animals appear on walls, fans, and light fixtures. Endangered species are highlighted each quarter.
GRADE 5

Language Arts 5

Grade Level: 5
Prerequisite: None

Language Arts 5 enables students to develop the process of effective oral and written communication by emphasizing fluency and comprehension. Students read and write for a variety of purposes, follow directions, and develop a lifelong appreciation of literature.

Students read from classic and contemporary selections and recognize the way an author organizes information and engages in an analysis of characters, plots, and settings. Students use their knowledge of grammar and usage, spelling, punctuation, and capitalization to write compositions. Using the writing process, students pre-write, write, revise, and publish to share with others. Students write in journals and keep track of outside reading on a weekly basis.

Mathematics 5

Grade Level: 5
Prerequisite: None

This course focuses on foundational arithmetic and computational skills as well as fractions and decimals. Other topics covered include estimation and geometric transformations. Students also learn mathematical strategies for solving real-life problems.

Science 5

Grade Level: 5
Prerequisite: None

Science 5 addresses earth science on a deeper level and covers the following topics: Rocks and Minerals, the Solar System, the earth and its Resources, Oceans and Water, Weather, Earthquakes, Tornadoes, and Volcanoes.

Social Studies 5

Grade Level: 5
Prerequisite: None

Social Studies 5 is a course in discovering America as a nation of many people. Students gain an understanding of what history is by studying immigration patterns, geography of the United States, the struggle for independence, the Civil War conflict, and achievements and challenges into the 21st century. The last unit of the year focuses on America’s neighbors of Canada and Latin America.
ELEMENTARY SPECIAL SUBJECT AREAS

Art

Grade Level: All

In the Elementary Visual Arts program, students are invited to explore hands-on creative instruction as they investigate exciting concepts in color, composition, drawing, painting and sculpture. Discovering the cultural heritage of historical and contemporary artists, elementary students learn to embrace art history while learning skills to assist in the making of their own creations. Students learn to understand the relationship the visual arts hold to other disciplines, including literature, science, music and history. Through discussion and exhibition, students celebrate their masterpieces while valuing others’ talents and personal styles.

Computer Education

Grade Level: All

The elementary computer curriculum has been designed to give students a strong background of knowledge and skills necessary to excel in today’s technology-rich academic environment. Students in grades K-4 attend weekly classes in one of the school’s well-equipped computer labs. A strong emphasis is placed on learning various software applications through hands-on experience. These lessons are placed in perspective through a series of lectures covering topics such as hardware and peripherals, file management, electronic communication, and internet terminology. Students also work on the development of keyboarding skills.

Library

Grade Level: All

Elementary students have a scheduled library period each week. Research and study skills are taught and practiced through weekly application exercises. An appreciation for various forms of literature is nurtured by exposing students to a variety of quality children’s books in different genres. Reading skills are reinforced and a life-long love for reading is instilled early on by encouraging children to read and by assisting them in the selection of age-appropriate books.

Music

Grade Level: All

The music program is designed to build students’ skills, literacy, and appreciation of music, on an increasing basis from year to year. Students have two classes weekly in which they participate in activities such as singing, playing instruments, listening and analyzing, moving, reading and writing notation, and creating original music. Students apply this musical knowledge in a focused manner during musical programs each school year, usually one for Christmas and one in the spring.
Physical Education

Grade Level: All

The physical education program incorporates swimming, rhythmic activities, fundamental motor skills, age appropriate basic skill development for various sports and lead-up games to provide a foundation of sound motor development. A A P H E R D fitness testing is conducted twice a year. Concepts are introduced to help each child develop a positive attitude towards physical activity and a healthy lifestyle.

All grade levels have physical education classes twice a week.

ESL

Grade Level: All

Elementary ESL students are pulled out of their homeroom four times a week usually during Language Arts for ESL instruction that includes grammar, vocabulary, and reading comprehension.
MIDDLE SCHOOL ACADEMIC PROGRAM

GRADE 6

Language Arts 6

Grade Level: 6
Prerequisite: None

Language Arts 6 enables students to master previously learned skills in more complex reading selections and written work. Students learn strategies to respond to different types of literature. The literature selections focus on a deeper understanding of issues regarding race, gender, and culture.

Students analyze and seek to understand the author’s point of view and choice of language. Throughout the year, emphasis is on writing, and students become familiar with the writing process from note taking and drafting to editing, proofreading, and final copy. Students adhere to conventions of accepted English. Studying roots, prefixes, and suffixes, students better comprehend vocabulary. Memorizing spelling rules, students understand how words are spelled. Students write in journals and keep track of outside reading on a weekly basis.

Math 6

Grade Level: 6
Prerequisite: Math 5

This course reviews and builds on concepts learned in Math 5. Students will further develop their understanding of decimals and fractions, as proficiency in these two concepts is vital for higher math. Other topics students study include measurement, geometry, proportions, simple statistics, and operations with integers, area, and surface area.

Science 6

Grade Level: 6
Prerequisite: None

Science 6 focuses on physical science at a deeper level and includes the following units: Simple Machines, Properties of Matter, Chemistry, Magnetic and Electrical Energy, Heat, Light, Waves and Sound, and Forces and Motion.

Social Studies 6

Grade Level: 6
Prerequisite: Pass ESL

Social Studies 6 is a course that acquaints students with important cultures and civilizations of the world. In the first semester students compare and contrast studying the world’s first civilizations in...
Mesopotamia, Egypt, India, and China. The emphasis on the remainder of the semester is the ancient world and classical civilizations that set the foundations for the modern world. Second semester begins with the medieval period and the rise of Europe and continues through accomplishments and challenges into the 21st century.

**Vietnamese 6**

*Grade Level: 6  
Prerequisite: Vietnamese 5*

This course is for native speakers of Vietnamese. It will include the curriculum of the typical Vietnamese I class found in public schools, but not be limited to it. It involves individual and group activities in writing and in reading novels, short stories, non-fiction, and poetry. Emphasis is on improving informative (expository) writing skills in creative and practical situations through the study of literature, grammar, sentence structure, and mechanics. Throughout the year, students will write short research reports and give one or more speeches. To facilitate the information gathering phase of these and other assignments. Reading done outside of the classroom is required and will be documented either in book reports or reading journals. There will be a final exam that will be 20% of the student’s final grade.
## Grade 7

### Language Arts 7

**Grade Level:** 7  
**Prerequisite:** Language Arts 6

Language Arts 7 provides students with opportunities to develop their writing skills along with a concurrent review of grammar by providing a range of writing experiences designed to enable students to write for various purposes. Through a graded spelling program, students reinforce spelling, vocabulary, and proofreading skills. Reading comprehension and vocabulary are further developed as students learn to identify and analyze the style and content of various literary genres.

### Math 7

**Grade Level:** 7  
**Prerequisite:** Math 6

Math 7 provides students with a final review of foundational concepts learned in previous years and begins to take a closer look at algebra. Topics covered include statistics, percentages, number patterns, probability, volume, and solving and graphing simple linear equations. Upon completion of the course, students will be assessed on their algebra readiness. Based on the assessment results, students will be placed in one of two grade 8 classes: Pre-Algebra or Algebra I.

### Pre-Algebra

**Grade Level:** 7, 8  
**Prerequisite:** Math 6 & Assessment Test

In this course, students experience an overview of a range of math concepts that are essential for future success in high school mathematics. Students will focus on number sense and operations, patterns and sequences, statistics, graphs and charts, proportional and spatial reasoning, and pre-algebra concepts. Students may qualify for Pre-Algebra based on the math placement test and a teacher recommendation.

### Science 7

**Grade Level:** 7  
**Prerequisite:** None

Science 7 focuses on life science at a deeper level and includes the following topics: Plants, Cells, Organisms, Human Body Systems, Animal Kingdom, and Ecosystems.
Social Studies 7

Grade Level: 7
Prerequisite: Pass ESL

Social Studies 7 investigates the geography, history, governments, and cultures of North America, Europe, Asia, and the Pacific islands. As students read each textbook chapter or seek information for independent research projects, they build reading comprehension and increase their note-taking skills by following different note-taking formats. Using cooperative learning techniques, students locate, record, share, and analyze the information they have acquired.

Vietnamese 7

Grade Level: 7
Prerequisite: Vietnamese 6

This course is for native speakers of Vietnamese. It will include the curriculum of the typical Vietnamese I class found in public schools, but not be limited to it. It involves individual and group activities in writing and in reading novels, short stories, non-fiction, and poetry. Emphasis is on improving informative (expository) writing skills in creative and practical situations through the study of literature, grammar, sentence structure, and mechanics. Throughout the year, students will write short research reports and give one or more speeches. To facilitate the information gathering phase of these and other assignments, reading done outside of the classroom is required and will be documented either in book reports or reading journals. The will be a final exam that will be 20% of the student's final grade.
Grade 8

Language Arts 8

Grade Level: 8
Prerequisite: Language Arts 7

Language Arts 8 focuses on literary analysis and literature-based writing while developing the vocabulary and analytical tools for effective analysis of published work. Students review and expand their editing and grammar skills by analyzing words, phrases, clauses and sentences; by learning to use verbals; and by combining sentences using more complex clauses. Student writing focuses on analyzing, evaluating, summarizing, paraphrasing, and personally reacting to published works using specific formats such as essay, short story, research, and poetry to accomplish writing goals. The curriculum is often integrated with U.S. history topics.

Pre-Algebra

Grade Level: 7, 8
Prerequisite: Math 6 or Math 7

In this course, students experience an overview of a range of math concepts that are essential for future success in high school mathematics. Students will focus on number sense and operations, patterns and sequences, statistics, graphs and charts, proportional and spatial reasoning, and pre-algebra concepts. The prerequisite for Pre-Algebra is successful completion of Math 7.

Algebra I

Grade Level: 8
Prerequisite: Pre-Algebra & Assessment Test

This course presents the basic concepts of algebra. Concepts studied include working with polynomials, solving equations, using formulas, graphing linear equations, solving linear systems, simplifying and solving quadratic expressions and equations, and working with basic functions. Problem solving and real-life applications are emphasized.

Social Studies 8

Grade Level: 8
Prerequisite: Pass ESL

Social Studies 8 is a survey course of the history of America from prehistory to the present. Emphasis is placed on personalities and events that have shaped the American character and the Constitution. Maps, charts, and pictures help students explore a fascinating account of U.S. history.
Science 8

Grade Level: 8
Prerequisite: Science 7

Science 8 addresses earth science on a deeper level and covers the following topics: Rocks and Minerals, the Earth’s Surface, the Solar System, the earth and its Resources, Oceans and Water, Weather, Earthquakes, Tornadoes, and Volcanoes.

Vietnamese 8

Grade Level: 8
Prerequisite: Vietnamese 7

This course is for native speakers of Vietnamese. It will include the curriculum of the typical Vietnamese I class found in public schools, but not be limited to it. It involves individual and group activities in writing and in reading novels, short stories, non-fiction, and poetry. Emphasis is on improving informative (expository) writing skills in creative and practical situations through the study of literature, grammar, sentence structure, and mechanics. Throughout the year, students will write short research reports and give one or more speeches. To facilitate the information gathering phase of these and other assignments. Reading done outside of the classroom is required and will be documented either in book reports or reading journals. There will be a final exam that will be 20% of the student’s final grade.
Middle School Special Subject Areas

English Language Development

Grade Level: 6-8
Prerequisite: None

Each ELD level consists of multiple courses, each intended to advance students to the same degree of English proficiency through assorted teaching methods.

Our core ELD courses, Speaking and Listening (S&L) and Reading and Writing (R&W), make use of intellectually challenging, contemporary topics to stimulate critical thinking skills while also building language proficiency. In each ELD session, these core courses explore different aspects of the same themes, and students practice language skills through high-interest and contextually-linked content, or content-based leaning.

Physical Education (PE)

Grade Level: 6-8
Prerequisite: None

Middle School physical education (PE) is designed to provide students with time and opportunity to participate in and improve sport specific skills for individual and team sports. Students will develop a basic knowledge of sport games and their rules. Students will be encouraged to cultivate an understanding of how to monitor and maintain a health-enhancing level of physical fitness as well as to become aware of social and personal responsibility associated with participation in physical activity.

Art

Grade Level: 6-8
Prerequisite: None

In the Middle School Visual Arts program, students discover the excitement of visual expression through materials such as drawing, painting, printmaking and sculpture. Students investigate the elements and principles of design to acquire the keys to successful visual communication. Journeying through the stories of art history, the students come to appreciate the relationship that both culture and history hold with the visual arts. Through the exhibition and discussion of their artwork, students gain important skills in art criticism, while celebrating the achievement of their creative work.

Music

Grade Level: 5-8
Prerequisite: None

Music is designed to build upon previous musical experiences. Course objectives include vocal production, instrumental technique (on classroom instruments such as recorders and xylophones), musicianship, and musical literacy and appreciation.
HIGH SCHOOL PROGRAM & DIPLOMA REQUIREMENTS

GRADUATION REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject</th>
<th>APU Graduation Requirement</th>
<th>College Bound Recommended</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4 credits</td>
<td>4 credits</td>
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<tr>
<td>Mathematics</td>
<td>3 credits</td>
<td>4 credits</td>
</tr>
<tr>
<td>Natural Science</td>
<td>3 credits</td>
<td>3 or 4 credits</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>2 credits</td>
<td>3 or 4 credits</td>
</tr>
<tr>
<td>Social Studies</td>
<td>3 credits</td>
<td>3 or 4 credits</td>
</tr>
<tr>
<td>Arts</td>
<td>1 credit</td>
<td>1 credit</td>
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<tr>
<td>Physical Education</td>
<td>2 credits</td>
<td>2 credits</td>
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<tr>
<td>Technology</td>
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<td>1 credits</td>
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<tr>
<td>Electives</td>
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<td>-</td>
</tr>
<tr>
<td>Total Required</td>
<td>24 credits</td>
<td>24 credits</td>
</tr>
</tbody>
</table>

OTHER REQUIREMENTS

High school students must complete or test out of the advanced level of ELD prior to taking courses in English, Social Science, or Science. Students may be placed in Mathematics, PE, Arts or Technology courses upon passing the Intermediate Level of ELD.

Courses in Vietnamese History, Geography, and Literature are required by the Ministry of Education and Training (MOET) for all Vietnamese nationals. Elective credits will be given for these courses.

CREDITS

One credit is awarded for each year-long course meeting for 150 hours. (For example, a course meeting five days per week for two semesters would receive one credit).

Note: There are two semesters in a regular academic year. Students must have at least 80% attendance (no more than 18 absences in a semester) and receive at least a "D" in the course to receive credit.

CREDIT EXEMPTION RULES

Any student who claims to have already completed a graduation requirement by some method that does not entail transfer of credit (such as work completed at a language center, summer class, music or art academy, etc.) may challenge the requirement. A student who is able to prove proficiency equal to or above what is required in the graduation requirement will then be exempted from the requirement.
Valedictorian & Salutatorian

In early spring semester, once fall semester grades are final, APU will announce the Valedictorian and Salutatorian based solely on grade point average. The student with the highest GPA will be the Valedictorian, while the student with the second highest GPA will be named the Salutatorian.

APU International School has been able to provide a very unique opportunity to its honors level graduates. Because of our rich relationships with our sister universities in the United States, APU has been able to secure a full tuition scholarship every year to our valedictorian at one of our US Partner Universities. Additional half and part scholarships have also been given to our salutatorian and merit scholars to attend our sister universities.

Honors List

All students achieving a cumulative GPA of 3.5 or above, based on transcripts, shall be recognized as Honors Graduates. The GPA shall consist of all courses taken from the 9th through the 12th grades.

Advanced Placement Courses and Exams

Through college-level AP courses, you have the opportunity to earn credit or advanced standing at most of the nation’s colleges and universities. Outside the U.S., universities in more than 55 countries recognize AP Exam scores in the admission process and/or for credit and advanced placement. Individual colleges and universities, not the College Board or the AP Program, set admission and AP recognition criteria for their respective programs. AP Exam performance is typically considered within the student’s complete application. Students opting for AP courses are required to take the exam for that course in May at the expense of the student (approximately $100 USD).

Virtual Course Offerings

APU High School students (typically grade 11 and 12) may request to take an online course from our virtual high school partner for APU credit. The grade for the virtual courses will appear on the students APU transcript and will be calculated as part of their grade point average. Interested students must apply through the college counseling office during their course selection period. There is no cost for approved APU students to take virtual courses.

Virtual courses in our catalogue will have an icon =  🏫
English Language Development
Grade Level: 9, 10, 11, 12
Credit: 0
Prerequisite: ELD evaluation

Each ELD level consists of multiple courses, each intended to advance students to the same degree of English proficiency through assorted teaching methods.

Our core ELD courses, Speaking and Listening (S&L) and Reading and Writing (R&W), make use of intellectually challenging, contemporary topics to stimulate critical thinking skills while also building language proficiency. In each ELD session, these core courses explore different aspects of the same themes, and students practice language skills through high-interest and contextually-linked content, or content-based learning.

Note: Not more than one full ELD credit can count toward the 24 credits needed for graduation. Three full credits in regular high school English are needed for graduation from APU International School.

English I
Grade Level: 9
Credit: 1.0
Prerequisite: Pass ELD

This course involves individual and group activities in writing and in reading novels, short stories, non-fiction, and poetry. Emphasis is on improving informative (expository) writing skills in creative and practical situations through the study of literature, grammar, sentence structure, and mechanics.
Throughout the year, students will write short research reports and give three or more speeches. Reading done outside of the classroom is required and will be documented either in book reports or reading journals.

English II

Grade Level: 10
Credit: 1.0
Prerequisite: Pass or concurrently taking English I

This course surveys a variety of literature: short story, essay, drama, novella and classic novel. Critical and analytical writing and a variety of other writing modes are based on the previously mentioned. Outside reading is required. Grammar, sentence structure and proofreading skills will be taught and assessed. Oral communications are developed throughout the year with a variety of speaking assignments including debating. Research using library resources including the internet will be required.

English III

Grade Level: 11
Credit: 1.0
Prerequisite: Pass or concurrently taking English II

English III focuses on American Literature and the historical periods that produced it. Expository writing assignments are based on reactions to this literature. Vocabulary is reviewed and expanded as it appears in literature. Students are required to write a fully documented research paper and to read and write book reviews about novels written by American authors. SAT and ACT vocabulary is reviewed for all students throughout the year, and the first four weeks of the class will be an intensive study of the ACT and SAT with a focus on what students will need to do on their own to prepare to make a score above the 70th percentile.

English IV

Grade Level: 12
Credit: 1.0
Prerequisite: Pass or concurrently taking English III

This course is the standard English class emphasizing the literature of Great Britain and Ireland and competence in expository writing skills. A formal senior research paper with a 1500+ word body and observing all standard research skills and format is required. Research using library resources, including the Internet will be required. Oral communication skills are developed through persuasive and other public speaking assignments.
AP English Language and Composition

Grade Level: 11, 12
Credit: 1.0
Prerequisite: Pass or concurrently taking Language Arts III, instructor approval

Students will become skilled readers of prose written in various periods, disciplines, and rhetorical contexts. They will gain understanding of the interactions between writer’s purposes, audience expectations, and subjects.

AP English Literature and Composition

Grade Level: 11, 12
Credit: 1.0
Prerequisite: Language Arts III, instructor approval

In this course, students will develop critical standards for the appreciation of literary works and increase their sensitivity to literature as shared experiences.

Applied Communications

Grade Level: 11 – 12
Credit: 1.0
Prerequisite: Pass ELD track

Applied Communications can be substituted for English IV. It is for students who do not want the traditional British Literature Course. The course will focus on business documents and business papers also using internet based research.

Academic Writing

Grade Level: 9 - 12
Credit: 0.5
Prerequisite: Pass ELD track

This class prepares recent ELD graduates for the intensive writing and critical thinking skills, which will be expected of them in English Language Arts.
English Language Arts Thematic Elements

Grade Level: 9 – 12
Credit: 0.5
Prerequisite: Pass ELD track

This class provides students studying English Language Arts with important skills not found in other Language Arts classes. These skills will be concept-oriented, and will be able to be comprehended by students at all ability levels. These sources will help to enrich and reinforce skills practiced in English core classes. Sample thematic electives include methods of literary criticism, the history of literature, religion as literature, the art of rhetoric and the impact of literature.

Reading for College Success

Grade Level: 11 – 12
Credit: 0.5
Prerequisite: Pass ELD track, Counselor’s Approval

Reading is a vital skill in the information age where we are constantly bombarded with a stream of information. Being able to determine and comprehend the main idea in this constant flow is imperative to success in both the academic world, and in the world of work. Discerning fact from opinion and bias from objectivity will empower you to make better life and work decisions and effective note taking and summarizing will help you achieve your goals in higher education and in the career of your choosing.

This virtual course will provide you with the necessary tools to be an active member of a 21st century world where success in reading often equates with success in life.
MATHEMATICS

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Pre-Algebra

Grade Level: 8 - 12  
Credit: 1.0  
Prerequisite: Math 8 or “A” in Math 7

This course reviews the four basic operations of whole numbers, fractions, mixed numbers, and decimals. Ratios, proportions, percents, and measurements along with basic geometry and statistics will be taught. Primarily taken by students as near the end of ELD classes.

The end of this course will transition from arithmetic to algebra with the intent to automate the use of fractions, mixed numbers and decimals. The beginning concepts of algebra are practiced thoroughly and successful completion of the course insures preparation for Algebra I. Primarily taken by students who complete ELD at the end of second semester.

Algebra I

Grade Level: 8 - 12  
Credit: 1.0  
Prerequisite: Math 8 or Teacher Approval  
Text: Algebra 1 (Pearson-Prentice Hall)

This course presents the basic concepts of algebra. Concepts studied include working with polynomials, solving equations, using formulas, graphing linear equations, solving linear systems, simplifying and solving quadratic expressions and equations, and working with basic functions. Problem solving and real-life applications are emphasized.
Geometry

Grade Level: 9 - 12
Credit: 1.0
Prerequisite: Algebra I
Text: Geometry (Pearson-Prentice Hall)

This course is a study of lines, planar figures, and some three dimensional forms. Students will examine, prove, and apply properties of figures. Topics studied include geometric constructions, lines, triangles, quadrilaterals, circles, congruence, similarity, area, and volume.

Students will develop their critical thinking skills through learning formal and informal proof processes and real-life applications of geometry. Students may take this course concurrently with Algebra II.

Algebra II

Grade Level: 10 - 12
Credit: 1.0
Prerequisite: Algebra I
Textbook: Algebra II (Pearson-Prentice Hall)

This course continues and extends the study of Algebra I concepts. Topics studied include functions, equations, inequalities, exponents, roots, polynomials, trigonometry, logarithms, and quadratic relations. Students may take this course concurrently with Geometry.

Pre-Calculus

Grade Level: 11 - 12
Credit: 1.0
Prerequisite: Algebra II, Grade of B or better or permission of instructor

This course is designed to solidify students’ knowledge of algebra and analytic geometry and to prepare them for high school or college calculus. It is appropriate for those students interested in careers in the mathematical or scientific fields. This class covers similar topics to the Advanced Math class but in greater depth and detail.

Concepts studied include coordinate geometry, curve plotting and transformations, functions, trigonometry, logarithms, exponential functions, sequences and series, matrices, statistics, and an introduction to limits. An emphasis is placed on using technology to enhance the understanding and solving of mathematical problems.
AP Calculus

Grade Level: 12
Credit: 1.0
Prerequisite: Pre-calculus, Grade of B or better, Teacher approval

This course covers the basic concepts and skills of differential and integral calculus. Some topics studied include: limits; tangent lines to curves; definitions of derivative and integration; maxima and minima problems; curve sketching; area under curves; practical applications of derivatives and integration; and the differentiation and integration of trigonometric, exponential, and logarithmic functions. Use of graphing calculators is emphasized throughout the course. Students must take the AP Calculus exam in May.

AP Statistics

Grade Level: 12
Credit: 1.0
Prerequisite: Algebra II, Grade of B or better, Teacher approval

The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes:

1. Exploring Data: Describing patterns and departures from patterns
2. Sampling and Experimentation: Planning and conducting a study
3. Anticipating Patterns: Exploring random phenomena using probability and simulation
4. Statistical Inference: Estimating population parameters and testing hypotheses

Liberal Arts Math

Grade Level: 11 - 12
Credit: 1.0
Prerequisite: Algebra I, Counselor’s Approval

This virtual course will enable students to strengthen algebraic and geometric concepts and skills necessary for further study of mathematics. Learning will take place as students spend time at an amusement park.
SOCIAL SCIENCE

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World Geography

Grade Level: 9
Credit: 1.0
Prerequisite: None

Geography introduces students to the 5 themes of geography and how those themes are used to describe and interpret the world. Each continent is studied in-depth with an emphasis on countries, land forms, modern political issues, culture, economy and environment.

This course will also explore a variety of themes including the human use of habitat and its resources, the human impact on the ecology of the earth. This course will include exploring local and world cultural geography. It will build on world physical geography of the earlier grades. It will deal with the study of various ways people have coped with the limitations and opportunities of their physical surroundings. Technology will be used in the course to complete projects.
United States History

Grade Level: 10, 11
Credit: 1.0
Prerequisite: None (required)

This course is a chronological analysis of America from the colonial period until the present. Areas covered include Native Americans and their cultures, exploration and colonization, the United States revolution, the development of the American democratic system, the westward expansion, the Civil War, the Reconstruction, the rise of big business, the Spanish American War, World War I, the Depression, World War II, the civil rights movement, as well as current events and contemporary international problems.

AP United States History

Grade Level: 10, 11, 12
Credit: 1.0
Prerequisite: Minimum grade of B in US History, Instructor’s Approval

This course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and issues in United States History. The chronological scope of this course is from the early foundations of our country to the present time. This course involves extensive historical research. Students who take this course should have excellent reading, writing, and research skills.

World History

Grade Level: 9
Credit: 1.0
Prerequisite: None

This course is a study of the classical and modern societies of both Eastern and Western civilizations. A study of the past is made through an in-depth study of Egypt, Mesopotamia, India, and China. The course also includes the spread of Classical Greek ideas and the development of the Roman Empire.

The study of European history begins with the rise of feudalism and continues through the Renaissance. As students study modern history, they will look at the development of current nations and the effects the world wars have had in shaping our world.

AP World History

Grade Level: 10 - 12
Credit: 1.0
Prerequisite: Minimum grade of B in World History, Instructor’s Approval
This course is taught using a three tiered educational philosophy (factual and theoretical study, applied analysis, and extensive homework). Students will purchase their own college text book. Students will write a research paper.

American Government

Grade Level: 11, 12
Credit: 0.5
Prerequisite: None

This course focuses on the federal government of the U.S. Throughout the semester students study the foundations of government, civil rights, the three branches of government, political participation, and government in action. Students gain an understanding of the many complex aspects and issues of modern American Government.

At the end of the course students will have a good understanding of the Constitution and other foundations of government, be able to express their civil rights and liberties, understand how to participate in politics, comprehend the workings of the judicial, executive and legislative branches, as well as current topics of government that arise throughout the term.

East Asian History

Grade Level: 11, 12
Credit: 0.5
Prerequisite: None

This course provides an overview of geography, religions, and cultures of East Asia as well as a survey of the region's history. To foster both an understanding of and an appreciation for this area of the world, students complete research projects, give oral reports, view relevant videos and discuss magazine articles related to current events and participate in other class activities.

Civics

Grade Level: 10 - 12
Credit: 0.5
Prerequisite: None

This course analyzes the role of civics in society. Students learn about government and civic responsibility. Students will study financing government, voting, elections, and the media influences on government.
Sociology

Grade Level: 10 - 12
Credit: 1.0
Prerequisite: None

Sociology includes the study of similarities and differences among groups within society. The course is designed to give an awareness of American social institutions, their functions, and influences. Emphasis on changing values and standards in an ever changing society. Students are encouraged to use current events in society to develop sociological perspectives. An original research paper may be required. Class participation is required.

Global Studies

Grade Level: 11, 12
Credit: 1.0
Prerequisite: Counselor’s Approval

In this virtual course, all the stories are big stories. Human rights, the environment, global security, and international economic systems are all part of your beat. The stories also have real human interest because they deal with peoples’ customs, cultures, and how they interact. Your job will be to research the facts, and present them with clarity and context. Your job will also involve identifying real global problems, and then suggesting well-developed solutions. This is a course that makes you think. The stories are current and compelling. They need to be told, and the right person to tell them is you.

Economics

Grade Level: 11, 12
Credit: 0.5
Prerequisite: None

This course uses real-world simulations to teach the issues faced by producers, consumers, investors, and taxpayers in the U.S. and around the world. Topics include markets; supply and demand; theories of early economic thinkers; theories of value; money; the role of banks, investment houses, and the Federal Reserve; and other fundamental features of capitalism. A survey of current issues in American and global markets rounds out the course.
AP Economics

Grade Level: 11, 12
Credit: 1.0
Prerequisite: Instructor Approval

AP Economics is a year-long college level economics course that encompasses both AP Microeconomics and AP Macroeconomics. Students who complete this course will be prepared to take the AP Microeconomics and AP Macroeconomics Exams that are administered by the College Board in May.

In preparation for this examination, this course will be divided into two parts approximately split along semester lines: the first semester will be devoted to the study of Microeconomics in six units of three to four chapters each, while the second semester will be devoted to the study of Macroeconomics split into five units of two to three chapters each. There will be a cumulative test at the conclusion of every unit and both a Micro and Macro Review Examination.

Psychology

Grade Level: 10 - 12
Credit: 0.5
Prerequisite: None

Psychology is the scientific study of human and animal behavior. This course will enable the students to apply the basic concepts and processes of psychology to personal development, awareness, and understanding behavior. Class participation along with effective communication are an important part of the course and will assist in enriching the discussion. There will be several videos which also aid in pushing our concepts of psychology to new understanding.

AP Psychology

Grade Level: 11, 12
Credit: 1.0
Prerequisite: Instructor’s Approval

Psychology is the scientific study of behavior and mental processes. In this course students are presented with an overview of this science. Methods of research, biological basis of psychology, development, perception, sensation, cognitive processes, abnormal psychology, psychotherapy, testing and social psychology will be covered.

AP courses are designed to cover similar material to a university level introductory course and students will be using a college-level textbook. This course requires memorization of large amounts of vocabulary and most students find that the reading and homework is about twice that of a non AP course. Students will need to be committed to the amount of outside class time that AP Psychology will require in order to be successful in this class as well as on the AP exam in May. Students are
required to register for an additional AP Psychology study period.

**AP Human Geography**

**Grade Level:** 11, 12  
**Credit:** 1.0  
**Prerequisite:** Instructor’s Approval

The purpose of the AP Human Geography course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth’s surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice.

**AP US Government & Politics**

**Grade Level:** 11, 12  
**Credit:** 1.0  
**Prerequisite:** Instructor’s Approval, Counselor’s Approval

An introductory college course in United States government and politics or in comparative government and politics is generally one semester in length. In both subject areas there is considerable variety among the courses offered by colleges. In terms of content, there is no specific college course curriculum that an AP course in United States Government and Politics or in Comparative Government and Politics must follow. Therefore, the aim of an AP course should be to provide the student with a learning experience equivalent to that obtained in most college introductory US or comparative government and politics courses.
### Natural Sciences

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**Physical Science**

**Grade Level:** 9  
**Credit:** 1.0  
**Prerequisite:** Math 8, Science 8

This course provides students with a survey of major physics and chemistry concepts. The course also includes a variety of lab experiences that will enrich and enhance student understanding. The sequence of course topics include a review of the scientific method and metric system; basic motion concepts of speed, acceleration, and force; energy laws, characteristics, movement, and work; the electromagnetic spectrum, light, sound, and color; an introduction to magnetism and electricity; an initial exposure to historical and current atomic theory, the elements, the periodic table, balancing chemical reactions and organic chemistry.

**Biology**

**Grade Level:** 9, 10  
**Credit:** 1.0  
**Prerequisite:** Physical Science, Teacher permission for grade 9 enrollment

Biology is the dynamic study of life in our natural world. This course will include activities and labs that demonstrate everyday applications of the following biological concepts: the nature of life, ecology, cells, genetics, evolution, the domains of life, and the human body. Students will be provided with opportunities to inquire, interpret data, build critical-thinking skills, and draw conclusions. Students will be expected to cooperatively work in lab groups, do homework, weekly science reading journals out of class, and participate in discussions.
Chemistry
Grade Level: 10, 11, 12
Credit: 1.0
Prerequisite: Biology & Algebra I

In Chemistry, the study of matter and its changes, students will have an introduction to the fundamental principles. Topics covered include measurements in chemistry, chemical calculations, atoms, molecules, ions, molecular structure, the use of formulas and equations in relation to chemical calculations, moles, reactions, periodicity and atomic structure, chemical bonding, thermochemistry and chemical energy, stoichiometry, the gas laws, liquids, solids and state changes, chemical kinetics, chemical equilibrium, nuclear and organic chemistry, acid base chemistry, and redox. Students will learn the basic vocabulary of chemistry, logical thinking and deduction skills, and experimental procedures.

Physics
Grade Level: 11, 12
Credit: 1.0
Prerequisite: Algebra II or Chemistry

This is an Algebra-based study of the science of Physics with a lab component. Topics covered are mechanics, thermodynamics, wave theory (including sound and light), and electromagnetism. Problem solving skills as well as conceptual understanding are expected but developed in this course.

Earth Science
Grade Level: 11, 12
Credit: 0.5
Prerequisite: none

Provides a survey of geology, oceanography, meteorology, and astronomy.

Marine Science
Grade Level: 10 - 12
Credit: 1.0
Prerequisite: Biology, Counselor’s Approval

As our amazing planet continues to change over time, it becomes increasingly more apparent how human activity has made environmental impacts. In the marine science course, you will delve deep into Earth’s bodies of water and study geologic structures and how they impact the oceans. You will investigate characteristics of various populations, patterns of distribution of life in our aquatic systems and ongoing changes occurring every day in our precious ecosystems. This is a virtual class offered on our Learning Management System.
AP Environmental Science

Grade Level: 11, 12
Credit: 1.0
Prerequisite: Instructor’s Approval

The AP Environmental Science course is designed to be the equivalent of a one semester, introductory college course in environmental science. Unlike most other introductory-level college science courses, environmental science is offered from a wide variety of departments, including geology, biology, environmental studies, environmental science, chemistry, and geography. Depending on the department offering the course, different emphases are placed on various topics. Some courses are rigorous science courses that stress scientific principles and analysis and that often include a laboratory component; other courses emphasize the study of environmental issues from a sociological or political perspective rather than a scientific one. The AP Environmental Science course has been developed to be most like the former; as such, it is intended to enable students to undertake, as first-year college students, a more advanced study of topics in environmental science or, alternatively, to fulfill a basic requirement for a laboratory science and thus free time for taking other courses.

AP Biology

Grade Level: 11, 12
Credit: 1.0
Prerequisite: B or better in Biology, Instructor’s Approval

AP Biology is an advanced course designed for students who plan to continue their study in science and are considering careers in biology or related fields. This course will focus mainly on human anatomy and physiology, biotechnology, microbiology, and marine biology. Students will be expected to participate in dissections. Students will be expected to work in lab groups, do extensive homework and projects out of class, and participate in discussions and field trips.

AP Chemistry

Grade Level: 11, 12
Credit: 1.0
Prerequisite: B or better in Chemistry, Instructor’s Approval

The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. For some students, this course enables them to undertake, in their first year, second-year work in the chemistry sequence at their institution or to register in courses in other fields where general chemistry is a prerequisite. For other students, the AP Chemistry course fulfills the laboratory science requirement and frees time for other courses.
AP Physics

Grade Level: 12
Credit: 1.0
Prerequisite: Pre-Calculus or Chemistry

For students planning to specialize in a physical science or in engineering, most colleges require an introductory physics sequence that includes courses equivalent to Physics C. Since a previous or concurrent course in calculus is often required of students taking Physics C, students who expect advanced placement or credit for either Physics C exam should attempt an AP course in calculus as well; otherwise, placement in the next-in-sequence physics course may be delayed or even denied. Either of the AP Calculus courses, Calculus AB or Calculus BC, should provide an acceptable basis for students preparing to major in the physical sciences or engineering, but Calculus BC is recommended. Therefore, if such students must choose between AP Physics or AP Calculus while in high school, they should probably choose AP Calculus.

There are three separate AP Physics Exams, Physics B, Physics C: Mechanics, and Physics C: Electricity and Magnetism. Each exam contains multiple-choice and free response questions. The Physics B Exam is for students who have taken a Physics B course or who have mastered the material of this course through independent study. The Physics B Exam covers topics in mechanics, electricity and magnetism, fluid mechanics and thermal physics, waves and optics, and atomic and nuclear physics; a single exam grade is reported. Similarly, the two Physics C Exams correspond to the Physics C course sequence. One exam covers mechanics; the other covers electricity and magnetism. Students may take either or both exams, and separate grades are reported.
FOREIGN LANGUAGE

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Mandarin I

Grade Level: 9 - 10
Credit: 1.0
Prerequisite: None

Mandarin I is a function-based high school course in Modern Standard Chinese, or Putonghua, which incorporates and integrates topics, structures, grammar and culture information within a framework based on a communicative approach to language learning. The emphasis throughout the course is on using the language in everyday situations and how they can communicate with Chinese language speakers in various real life situations.

Such communicative language teaching necessarily involves a fully integrated, global approach to listening, reading, writing and speaking. In Mandarin I, students learn to express themselves and understand others on topics closely related to their own experience and their daily life, such as family, school, clock time, dates, daily routine, means of transport and the weather. Students also learn to read and write simple passages in characters about the topics learned.

There are a total of 156 Learn to Read and Learn to Write characters in Mandarin I and several hundred Chinese phrases. The course also aims to develop in students an awareness of the Chinese language and the way it reflects Chinese culture.

Mandarin II

Grade Level: 9-10
Credit: 1.0
Prerequisite: Mandarin I

This course is a continuation of the Mandarin I course. In Mandarin II, students learn to express themselves and understand others on topics closely related to their own experience and their daily life, such as sports, clothing, school life and hobbies. Students also learn to read and write simple passages in characters about the topics learned.

There are a total of 189 Learn to Read and Learn to Write characters in Mandarin II and several hundred Chinese phrases. The course also aims to develop students’ awareness of the Chinese
language and the way it reflects Chinese culture.

Mandarin III

Grade Level: 10-12
Credit: 1.0
Prerequisite: Mandarin II

This course is a continuation of Mandarin II. In Mandarin III, students learn to express themselves and understand others on topics closely related to their own experience and their daily life, such as holidays, getting around, shopping, watching television or movies and attending sports events. Students also learn to read and write simple passages in characters about the topics learned.

There are a total of 161 Learn to Read and Learn to Write characters in Mandarin III and several hundred Chinese phrases. The course also aims to develop students’ awareness of the Chinese language and the way it reflects Chinese culture.

AP Chinese Language & Culture

Grade Level: 11-12
Credit: 1.0
Prerequisite: Mandarin III and teacher approved

The AP Chinese Language and Culture course is designed to be comparable to fourth semester college/university courses in Mandarin Chinese. The AP course prepares students to demonstrate their level of Chinese proficiency with ongoing and varied opportunities to further develop their proficiencies across the full range of language skills within a cultural frame of reference reflective of the richness of Chinese language and culture.

Spanish I

Grade Level: 9-10
Credit: 1.0
Prerequisite: None

Students will learn basic Spanish grammar to help build their fluency and understanding. There are many opportunities to practice what they learn through interactive practice activities in the form of games, written practice, listening, and speaking exercises.
Spanish II

Grade Level: 10-11
Credit: 1.0
Prerequisite: Spanish I

The purpose of this course is to strengthen Spanish listening, speaking, reading, and writing skills. Students will also experience the beauty and expressiveness of a language that is shared by different people and cultures throughout the world.

Spanish III

Grade Level: 11-12
Credit: 1.0
Prerequisite: Spanish II

In this course, students will have many opportunities to perfect the Spanish they learned in previous courses. They will have the chance to further expand their vocabulary and learn about Spanish-speaking countries.

AP Spanish Language

Grade Level: 12
Credit: 1.0
Prerequisite: Spanish III

This course is designed to develop students' interpersonal communication skills in Spanish and to prepare them for the AP Language examination. Students will learn to achieve a high level

Latin I

Grade Level: 9-10
Credit: 1.0
Prerequisite: None

The purpose of this course is to give students a foundation in Latin grammar and vocabulary. This course will also introduce students to Olympic gods and give a brief overview of Roman history.
Latin II

Grade Level: 10-11
Credit: 1.0
Prerequisite: Latin I

In this course, students will build on their knowledge of Latin grammar and vocabulary. Roman engineering, art, commerce, and system of laws will be explored to demonstrate the flexibility of the language.

Latin III

Grade Level: 11-12
Credit: 1.0
Prerequisite: Latin II

The purpose of this course is to strengthen Latin vocabulary skills, as well as appreciation for well-crafted writing. Students will go directly to the source and recognize why Latin and those who speak it are still relevant today.
**Performing Arts**

**Introduction to Music**

- **Grade Level:** 9 - 12
- **Credit:** 0.5
- **Prerequisite:** None

This is an introduction to music appreciation class.

**Jazz Band**

- **Grade Level:** 9 - 12
- **Credit:** 1.0
- **Prerequisite:** Instructor's Approval

This is a performance based class that will develop the student's knowledge of playing jazz music. The variety of styles will include swing, rock, funk, fusion, ballad, etc. Considerable attention will be paid to the development of improvising skills. There are a variety of required performances and festivals that the student will attend each year. This course is open to high school students with instructor permission. There may be mandatory additional fees when the choir is traveling, students must purchase clothing appropriate for various performances.

**Concert Choir**

- **Grade Level:** 9 - 12
- **Credit:** 1.0
- **Prerequisite:** Instructor's Approval

A performance based class where choir develops vocal skills, focusing on listening, tone-matching, good intonation, concert etiquette, and a familiarization of music literature ranging from the classics to contemporary. This course has required concerts throughout the school year. Members of this class are expected to participate at concerts, music festivals, and other scheduled events. There may be mandatory additional fees when the choir is traveling, students must purchase clothing appropriate for various performances.

**Piano I**

- **Grade Level:** 9 - 12
- **Credit:** 0.5
- **Prerequisite:** None
The course is an introduction to piano.

Piano II

Grade Level: 9 - 12  
Credit: 0.5  
Prerequisite: Piano I

This course is a continuation of the skills learned in Piano I. Development of a variety of styles of play including more difficult selections will be included.

Guitar I

Grade Level: 9 - 12  
Credit: 0.5  
Prerequisite: None

The course is an introduction to guitar. Students must purchase their own guitar and book to keep. The cost of the book is $25.00. Acoustic guitars only.

Guitar II

Grade Level: 9 - 12  
Credit: 0.5  
Prerequisite: Guitar I

This course is a continuation of the skills learned in Guitar I. Development of a variety of styles of play including more difficult literature will be included. Students must purchase their own guitar book. The cost of the book is $25.00.
**Visual Arts**

**Art Survey**

*Grade Level: 9 - 12  
Credit: 0.5  
Prerequisite: None*

This course includes a general overview of art, with exposure to a variety of media and art processes: drawing, lettering, printmaking, painting, fibre, layout, and art appreciation.

**Fibers & Crafts**

*Grade Level: 9 - 12  
Credit: 0.5  
Prerequisite: None*

This course explores different methods of combining materials to create original designs and the idea of man's ability to satisfy his needs by making use of materials on hand. Students will be introduced to such media as wood, fiber, clay, paper, etc. Techniques such as weaving, macramé, basketry, batik, tie-dye, sculpture, and paper making will be taught.

**Painting I**

*Grade Level: 9 - 12  
Credit: 0.5  
Prerequisite: None*

This course explores the study of media and techniques in painting. It also involves the basic investigation of materials and history of painting. Students will explore both water soluble and oil paints including washes and various mixed media.

**Painting II**

*Grade Level: 9 - 12  
Credit: 0.5  
Prerequisite: Painting I*

This course is designed to reinforce and apply skills and techniques taught in Painting I. Students will take a more extensive look at painting techniques and mediums. At times students will be expected to work independently. Painting I is a prerequisite.
Drawing & Design

Grade Level: 9 - 12
Credit: 0.5
Prerequisite: None

Drawing and Design I is a studio course which will involve students with a variety of materials: pastels, crayon, paint, and mixed media, pencil, pen, ink, and charcoal. Drawing techniques such as contour, gesture, perspective, shading, and design concepts will be taught.

3D Art I – Modeling

Grade Level: 10 - 12
Credit: 0.5
Prerequisite: Counselor’s approval

In this virtual course, students will make a hat using 3D objects, build a 3D house, make a 3D creature, learn how to animate the creature, create terrain, build a car and make a scene.

3D Art II – Animation

Grade Level: 10 - 12
Credit: 0.5
Prerequisite: 3D Art I, Counselor’s approval

In this virtual course, students will create an animated bouncing ball, learn animated lighting effects, animate walking cycles, animate an explosion, learn liquid animation and go through various other animation projects. There are nine projects in total.

Computer Aided Design

Grade Level: 10 - 12
Credit: 0.5
Prerequisite: Counselor’s approval

In this virtual course, students will use CAD to create shapes, houses, orthographic drawings, utilize cutting planes and sectional views, create isometric drawings, oblique drawings and finish with 3D design. This course can qualify as “Technology” credit if the student has already fulfilled all Art credit requirements.
Digital Photography & Graphics

Grade Level: 10 - 12  
Credit: 0.5
Prerequisite: Counselor’s Approval

In this virtual course, students learn how to crop & colorize a photo, trace a photo, draw without tracing, make a collage, use filters to make a poster, make a single-panel comic, mask an image, develop selection skills, create an ad, make a planet and finally reflect an image. This course can qualify as “Technology” credit if the student has already fulfilled all Art credit requirements.

Digital Video Production

Grade Level: 10 - 12  
Credit: 0.5
Prerequisite: Counselor’s Approval

In this virtual course, students will plan and film two movies. They will go through a visual vocabulary, pre-produce, film, edit and reflect on their production. This course can qualify as “Technology” credit if the student has already fulfilled all Art credit requirements.

AP Art History

Grade Level: 11 - 12  
Credit: 1.0
Prerequisite: Instructor’s approval

The AP Art History course should engage students at the same level as an introductory college art history survey. Such a course involves critical thinking and should develop an understanding and knowledge of diverse historical and cultural contexts of architecture, sculpture, painting, and other media. It also provides an opportunity for schools to strengthen an area neglected in most curricula. In the course, students examine and critically analyze major forms of artistic expression from the past and the present from a variety of cultures. While visual analysis is a fundamental tool of the art historian, art history emphasizes understanding how and why works of art function in context, considering such issues as patronage, gender, and the functions and effects of works of art. Many colleges and universities offer advanced placement and/or credit to students who have performed successfully on the AP Art History Exam.
AP Studio Art

Grade Level: 11 - 12
Credit: 1.0
Prerequisite: Instructor’s approval

The AP Studio Art portfolios are designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written exam; instead, students submit portfolios for evaluation at the end of the school year. The AP Studio Art Program consists of three portfolios—2-D Design, 3-D Design, and Drawing—corresponding to the most common college foundation courses. AP Studio Art sets a national standard for performance in the visual arts that contributes to the significant role the arts play in academic environments. Each year the thousands of portfolios that are submitted in AP Studio Art are reviewed by college, university, and secondary school art instructors using rigorous standards.
TECHNOLOGY

Computer Applications

Grade Level: 9 - 11
Credit: 0.5
Prerequisite: None

This course is designed to provide students with a working knowledge of the three primary computer applications; word processing, database, and spreadsheets. Students will also explore computer concepts, current technological trends, and career opportunities. This will also cover the Introduction of the keyboarding of memos, personal and business letters, and envelopes in a word processing program and continues to develop keyboarding speed and accuracy.

Desktop Publishing

Grade Level: 9 - 11
Credit: 0.5
Prerequisite: None

Students will be introduced to the elements of desktop publishing. Basic layout, design, and use of the computer as a tool to develop different media will be taught. Elements of journalism will be introduced as well. Software used includes PageMaker, Photoshop, illustrator, and acrobat. Hardware used is cameras, scanners, CD burner, and printers.

Also covered is an introduction to digital graphics. Students will learn the basic concepts of graphic and photo editing applications. Students will learn about graphic formats and equipment as well as hardware and software requirements for digital graphics. Along with software applications, students will learn to use and maintain hardware devices such as storage devices, digital cameras, video cameras, scanners, and clip art CDs. Software used include Microsoft word, Microsoft excel, QuickTime, image ready, iMovie, Photoshop deluxe, and acrobat. Students have an opportunity to produce PDF’s, spreadsheets, animations, videos, still images, graphics, t-shirts, and posters.

Multimedia Applications

Grade Level: 10 - 11
Credit: 0.5
Prerequisite: None

This is an introductory course in multimedia. Students will learn the basic concepts of multimedia applications. Students will learn about graphic formats, audio formats, presentation graphics, digital video, web page development, and Portable Document Formats (PDF) as well as hardware and software requirements for multimedia applications. Software used includes illustrator, front page, Photoshop, image ready, acrobat, Microsoft PowerPoint, iMovie, and QuickTime. Students have an
opportunity to produce websites, photos, presentations, PDF's, graphics, videos, and animations.

Marine Technology

Grade Level: 11 - 12
Credit: 1.0
Prerequisite: Instructor’s Approval

This course provides students with an introduction to marine technologies. This course will focus on the following fundamental concepts: the study of marine vessels, marine safety, navigation, harvesting of marine resources, the identification, conservation, and management of marine resources, economics, enhancement, and aquatic farming, as well as leadership and civic responsibility. The class will investigate marine related topics. Students may have the opportunity to participate in demonstrations aboard vessels.

Computer Programming I

Grade Level: 10 - 12
Credit: 1.0
Prerequisite: Instructor’s Approval, Counselor’s Approval

The purpose of this virtual course is to enable students to develop knowledge of programming concepts in Python and Java. Students will learn planning skills and techniques of good programming practice. Creative thinking and logical analysis will be used to develop algorithms, flowcharts, and computer programs that solve a variety of real-world problems. The syntax, vocabulary, and data structures common to Python and Java will be explored by writing, testing, and debugging computer programs that focus on robotics and media computing. Ethical, social, and historical implications of technology and society will also be examined. After completing this course, students will have a solid foundation in both the Python and Java programming languages.

Yearbook

Grade Level: 9 - 12
Credit: 1.0
Prerequisite: Instructor’s Approval

Yearbook is a one year elective that produces the school yearbook. Students in this course are expected to have a high level of maturity and the ability to work independently. This is a wonderful opportunity for members of the team to exercise their creativity, while developing new skills in computer design, photography, interviewing techniques, marketing, budget management, copywriting, editing, and organizational and management skills. Creating the yearbook is a fun process and the end result of all the effort is a product that all the students can purchase and enjoy for years.
Film Production

Grade Level: 10 - 12
Credit: 0.5
Prerequisite: None

Students will enhance their skills in digital video production, sound recording, scanning, photo manipulation and enhancement of multimedia documents. Multimedia is a prerequisite.

Web Design I

Grade Level: 9 - 12
Credit: 1.0
Prerequisite: Counselor’s approval

The World Wide Web is not just for spectators. It’s for people who can create effective, eye-catching websites of their own. It’s for people like you who take this course and design web pages that get attention.

In this virtual course delivered on our e-learning system, you’ll become a Web Design Intern for a virtual company called Education Designs. You’ll learn what goes on under the hood including: Internet basics, HTML, and the file structure of a well-organized website. You’ll learn how to create visually interesting web pages with clear text, complimentary colors, visual assets, and appealing designs. You’ll also learn how to navigate the Internet to fill your website with useful and well-researched information.

Web Design II

Grade Level: 10 - 12
Credit: 1.0
Prerequisite: Web Design I with C or better, Counselor’s Approval

A well-designed skyscraper is an impressive sight. A well-designed website is also an impressive site of another kind - the kind that reveals the advanced skills of an expert designer. This course takes you through the entire construction process from planning, to creating the structure, to adding the final special touches.

In this virtual course, you will learn how to create a storyboard or blueprint for your website. You will learn about website navigation, style sheets, graphic creation, digital image optimization, security, and server hosting. You will also learn how to work in teams, with specific tasks assigned to individual team members. You will use Adobe CS3 products for website creation and management.
Online Game Design

**Grade Level:** 10 - 12  
**Credit:** 1.0  
**Prerequisite:** Counselor’s Approval

In this virtual course, students will participate in five projects where they design video games. During the session, Visual C++ and Java programming will be used.

Introduction to Entrepreneurship I

**Grade Level:** 10 - 12  
**Credit:** 0.5  
**Prerequisite:** Counselor’s Approval

In this virtual course, students will cover the role of an entrepreneur, entrepreneurship as a career, economic principles, production and delivery, small business basics, business ideas and opportunities, defining your business, business organization, marketing basics and promotion concepts.

Introduction to Entrepreneurship II

**Grade Level:** 10 - 12  
**Credit:** 0.5  
**Prerequisite:** Counselor’s Approval, Introduction to Entrepreneurship I

In this virtual course, students will learn selling principles, pricing, personal finance, credit funding & risk, accounting, taxes & laws, culture, globalization & technology, and finally workplace skills.

Introduction to C++ Programming

**Grade Level:** 10 - 12  
**Credit:** 0.5  
**Prerequisite:** Counselor’s Approval

In this virtual course, students will use visual C++ to learn functions, debugging, variables, if statements, loops, comparisons, arrays, strings, switch case statements, objects, loops, forms, data grids, XML and finish by developing a form. There are a total of eight projects to complete in this course.

Flash Animation

**Grade Level:** 10 - 12  
**Credit:** 0.5  
**Prerequisite:** Counselor’s Approval
In this virtual course, students will create various flash animations and movies. There are a total of six projects the student will work on, including making a fish movie, airplane chase, a bouncing ball, lip sync, a walking character, and a scrolling background.

**AP Computer Science**

**Grade Level:** 11 - 12  
**Credit:** 1.0  
**Prerequisite:** B or better in Algebra II, Instructor’s Approval

The goals of the AP Computer Science course are comparable to those in the introductory course for computer science majors offered in college and university computer science departments. It is not expected, however, that all students in the AP Computer Science course will major in computer science at the university level. The AP Computer Science course is intended to serve both as an introductory course for computer science majors and as a course for people who will major in other disciplines that require significant involvement with technology. It is not a substitute for the usual college-preparatory mathematics course.
PHYSICAL EDUCATION

Health

Grade Level: 9 - 12
Credit: 0.5
Prerequisite: None (required)

This course encourages lifelong wellness by teaching the relationship between physical health, mental health, and social health. This course is designed to help students become aware of some of the aspects of human development including personal decision making and understanding emotions. Reasons to say no to drugs are researched. Sexually transmitted diseases are also studied. A basic study of nutrition, weight control, and fitness are studied. This class should be taken by all students who have finished or nearly finished ELD classes in the summer.

Athletic Conditioning

Grade Level: 9 - 12
Credit: 1.0 (block)
Prerequisite: None

This course emphasizes pre-season and off-season conditioning. This course helps increase sports specific endurance, strength, and flexibility, providing a foundation for intensive training and maximal athletic efforts. Weight lifting, running, and exercise are included in this course.

Team Sports

Grade Level: 9 - 12
Credit: 1.0 (block)
Prerequisite: None

Students will participate successfully in the following physical activities: officiating, score keeping, volleyball, flag football, team handball, basketball, softball, soccer, etc.

Individual Sports

Grade Level: 9 - 12
Credit: 0.5
Prerequisite: None

Students will understand the value of lifelong leisure activities and personal fitness along with a variety of, but not limited to the following individual physical activities: badminton, golf, bowling, or yoga.
Adaptive Personal Fitness

Grade Level: 9 - 12
Credit: 0.5
Prerequisite: Counselor’s Approval

Good diet, exercise, and healthy habits are important for all students. So is a program carefully tailored to their individual needs. Students with Individual Educational Plans or 504 Plans will benefit from the individual coaching offered by their teacher as they establish personal goals and achieve fitness-related objectives.

In this virtual class, you will develop your own workout log in which you will record your cardiovascular, flexibility, and strength and endurance activities. You will learn about proper weight, good diet, and managing stress. As you progress through the course, you will feel your energy level increase. And by the end of the course, you will have developed the kind of healthy habits that will last a lifetime.

Fitness Lifestyle Design

Grade Level: 9 - 12
Credit: 0.5
Prerequisite: Counselor’s Approval

This is a virtual course, and the course standards do require students to participate in weekly cardiovascular, flexibility and strength and endurance activities.

Health Opportunities through Physical Education

Grade Level: 9 - 12
Credit: 1.0
Prerequisite: Counselor’s Approval

In this virtual course, you will assess your current physical condition and define personal goals. You will apply fitness training principles to your workouts to enhance your improvement in health-related and skill-related areas of fitness. You will maintain a workout log to track your physical activity each week and assess your progress towards meeting your goals.

Additional course topics will challenge you to be an educated consumer, manage stress, choose nutritious foods, make healthy lifestyle choices, be an effective member of a team, and influence others in your community in a positive way. Projects you complete will challenge you to seek solutions for issues facing teens in today’s culture.
Life Management Skills

Grade Level: 9 - 12
Credit: 1.0
Prerequisite: Counselor’s Approval

This virtual course is all about you and the important decisions you make. It’s also about having the correct information before making those decisions. We’ll deal with real issues like nutrition, substance abuse, coping with stress, and sexual abstinence.

Good health is both mental and physical. Making good decisions starts with knowing the facts, understanding the consequences, and having the confidence to choose well. A series of signposts will take you through the course providing information, direction, and a little encouragement. We’ll also offer some important tools for communicating your feelings and opinions. We’ll even talk about being a savvy consumer in a world of advertising, credit cards, and focus on earth friendly practices that will help the environment.
**VIETNAMESE LANGUAGE AND CULTURES**

**Vietnamese 9**

Grade Level: 9  
Credit: 1.0  
Prerequisite: Vietnamese 8

This course is for native speakers of Vietnamese. It will include the curriculum of the typical Vietnamese I class found in public schools, but not be limited to it. It involves individual and group activities in writing and in reading novels, short stories, non-fiction, and poetry. Emphasis is on improving informative (expository) writing skills in creative and practical situations through the study of literature, grammar, sentence structure, and mechanics. Throughout the year, students will write short research reports and give one or more speeches. To facilitate the information gathering phase of these and other assignments. Reading done outside of the classroom is required and will be documented either in book reports or reading journals. The will be a final exam that will be 20% of the student's final grade.

**Vietnamese 10**

Grade Level: 10  
Credit: 1.0  
Prerequisite: Vietnamese 9

This course is for native speakers of Vietnamese. This course surveys a variety of literature: short story, essay, drama, novella and classic novel. It will include the curriculum of the typical Vietnamese II class found in public schools, but not be limited to it. Critical and analytical writing and a variety of other writing modes are based on the previously mentioned. Outside reading is required. Grammar, sentence structure and proofreading skills will be assessed. Oral communications are developed throughout the year with a variety of public speaking assignments. Research using library resources including the internet will be required. There will be a final exam that will be 20% of the student's final grade.

**Vietnamese 11**

Grade Level: 11  
Credit: 1.0  
Prerequisite: Vietnamese 10

This course is for native speaker of Vietnamese. It will include the curriculum of the typical Vietnamese III class found in public schools, but not be limited to it. Vietnamese III focuses on Vietnamese literature and the historical periods that produced it. Expository writing assignments are based on reactions to this literature. Vocabulary is reviewed and expanded as it appears in literature. Students are required to write a fully documented research paper and to read and write book reviews.
about novels written by Vietnamese authors. There will be a final exam that will be 20% of the student’s final grade.

Vietnamese 12

Grade Level: 12
Credit: 1.0
Prerequisite: Vietnamese 11

This course is for native speakers of Vietnamese. It will include the curriculum of the typical Vietnamese I class found in public schools, but not be limited to it. It involves individual and group activities in writing and in reading novels, short stories, non-fiction, and poetry. Emphasis is on improving informative (expository) writing skills in creative and practical situations through the study of literature, grammar, sentence structure, and mechanics. Throughout the year, students will write short research reports and give one or more speeches. To facilitate the information gathering phase of these and other assignments. Reading done outside of the classroom is required and will be documented either in book reports or reading journals. There will be a final exam that will be 20% of the student’s final grade.

Vietnamese for Foreigners I

Grade Level: 9 - 12
Credit: 1.0
Prerequisite: None

This class is designed for non-native speakers of Vietnamese. This course teaches basic communication in Vietnamese. It develops skills in listening, speaking, reading, and writing. Class work also aids the student in gaining insight into the culture of Vietnam.

Vietnamese for Foreigners II

Grade Level: 10 - 12
Credit: 1.0
Prerequisite: Vietnamese for Foreigners I

This class is designed for non-native speakers of Vietnamese. Students expand their comprehension and expression in Vietnamese. Vietnamese II will give students more listening, and speaking opportunities, and more practice in every aspect of language acquisition. Authentic films, reading material and music are part of the course. Expect to hear mostly Vietnamese in the class.
OTHER ELECTIVES

SAT Preparation

Grade Level: 10 - 11
Credit: 0.5
Prerequisite: Counselor Approval

Higher scores are the name of the game, and on the SAT, the higher the better. Take a trip with us, and we'll give you the most current road map for getting there. You'll do the work, but we'll give you the shortest and most efficient route to travel.

You already have most of the knowledge. All of your years in school have filled your travel bags with the items you'll need on this trip. Now it's time to become a savvy traveler and an expert test taker. In this course, you'll practice thinking strategies, build verbal competence, and sharpen your mathematics reasoning. You'll become familiar with the terrain as you acquire essential test-taking strategies.

This is a virtual course offered on our e-learning system. If you are interested, please consult with your counselor.
STUDY ABROAD

Academic Term in the USA

Grade Level: 10 - 11
Credit: Fully transferable
Prerequisite: Above 3.0 Cumulative GPA & Counselor Approval

The Academic Term with one of our partner high schools in the United States immerses students in American culture while dramatically improving proficiency in three modes of communication skills: interpersonal, interpretive, and presentational. Students live with host families for their entire stay in the United States. This home-stay allows students to become a part of an American family and learn American culture first-hand.
LEARNING RECOVERY COURSES

Language Arts I (Recovery)

Grade Level: 9 - 10
Credit: 1.0
Prerequisite: Recovery course for student who failed Language Arts I

In this course, students will gain language arts skills by reading literature, writing, listening, viewing, and speaking. They will learn to use the English language successfully to express themselves.

Language Arts II (Recovery)

Grade Level: 10-11
Credit: 1.0
Prerequisite: Recovery course for student who failed Language Arts II, Language Arts I required

Student will be exposed to various forms of communication, including verbal, visual, and audio. In addition to evaluating the plot and characters of well-known writers, students will learn to identify themes, create dialogue, and appeal to emotions through their writing.

Language Arts III (Recovery)

Grade Level: 11-12
Credit: 1.0
Prerequisite: Recovery course for student who failed Language Arts III, Language Arts II required

In this course, the writing and insights of authors throughout history are collected in a fictitious newspaper called “The Virtual Times.” Students will gain an appreciation of American literature and learn about the times in which it was written.

Language Arts IV (Recovery)

Grade Level: 12
Credit: 1.0
Prerequisite: Recovery course for student who failed Language Arts IV, Language Arts III required

In this course, students will be asked to choose pieces of literature that interests them, analyzing the subject matter and persuasively expressing their own ideas.

Algebra I (Recovery)

Grade Level: 9 - 10
Credit: 1.0
Prerequisite: Recovery course for student who failed Algebra I

This course contains the basic knowledge students need for all high school math courses. Students will understand the practical use of algebra with hundreds of real-world examples.

Algebra II (Recovery)

Grade Level: 9 - 11
Credit: 1.0
Prerequisite: Recovery course for student who failed Algebra II, Algebra I required

Starting with a review of basic algebra, students will learn polynomials, quadratic equations, exponential and logarithmic relations, and probability and statistics.

Geometry (Recovery)

Grade Level: 9 - 11
Credit: 1.0
Prerequisite: Recovery course for student who failed Geometry, Algebra I required

In this course, students will learn about points, lines, and planes. They will learn about shapes and gain an understanding of how geometry affects the world around us.

Biology (Recovery)

Grade Level: 9 - 11
Credit: 1.0
Prerequisite: Recovery course for student who failed Biology

This course provides an in-depth look at the fundamental characteristics of living organisms. It is designed to promote scientific inquiry and discovery. Students will be introduced to the structure, function, diversity, and evolution of living organisms.

Chemistry (Recovery)

Grade Level: 10 - 12
Credit: 1.0
Prerequisite: Recovery course for student who failed Chemistry, Algebra I required

This course is designed to serve as a foundation for the study of Chemistry and includes: scientific inquiry, Web 2.0 tools, interactive experiences, higher-order thinking, collaborative projects, real-world application, and a variety of assessments.
Earth Space Science (Recovery)

Grade Level: 10 - 12
Credit: 1.0
Prerequisite: Recovery course for student who failed a science course

This is a laboratory course focusing on the study of space and the geologic and atmospheric forces that shape our world. Through experimentation and investigation, students will explore Earth’s cycles including the geosphere, hydrosphere, cryosphere, atmosphere, and the carbon cycle.

Physical Science (Recovery)

Grade Level: 10 - 12
Credit: 1.0
Prerequisite: Recovery course for student who failed a science course

This course is designed as an interactive, 21st century course focusing on basic physics and chemistry. Topics include forces and motion, energy through waves, electricity and magnetism, the matter around us, chemical bonding and reactions. This course will provide a foundation for the study of the physical sciences.

Physics (Recovery)

Grade Level: 11 - 12
Credit: 1.0
Prerequisite: Recovery course for student who failed Physics, Algebra II required

Students will discover the contributions of geniuses like Galileo, Newton, and Einstein. They will learn the concepts, theories and laws that govern the interaction of matter, energy, and forces.

American Government (Recovery)

Grade Level: 11 - 12
Credit: 0.5
Prerequisite: Recovery course for student who failed a social science elective

Students will look at some of the most profound questions that Americans still debate. They will research many important events throughout the history of America.
Economics (Recovery)

Grade Level: 11 - 12
Credit: 1.0
Prerequisite: Recovery course for student who failed economics, Algebra I required

The purpose of this course is to help students become more informed consumers, producers, investors, and taxpayers. Students are shown how their choices directly affect their future.

World History (Recovery)

Grade Level: 11 - 12
Credit: 1.0
Prerequisite: Recovery course for student who failed World History

The purpose of this course is to enable students to understand their connections to the development of civilizations by examining the past to prepare for their future as participating members of a global community.
# Planning Your Courses

## College Bound Four Year Plan (Example 1: Engineer)

<table>
<thead>
<tr>
<th>Education Level</th>
<th>Grade</th>
<th>English/Language Arts</th>
<th>Math</th>
<th>Science</th>
<th>Social Studies/Sciences</th>
<th>Other Required Courses and/or Degree Major Courses for Engineering and Technology Pathway</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>9</td>
<td>English/Language Arts I</td>
<td>Algebra I or Geometry</td>
<td>Biology</td>
<td>State History Civics</td>
<td>All plans of study should meet local and state high school graduation requirements and college entrance requirements.</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td>English/Language Arts II</td>
<td>Geometry or Algebra II</td>
<td>Chemistry</td>
<td>U.S. History</td>
<td>*Introduction to Engineering Design</td>
</tr>
<tr>
<td></td>
<td>11</td>
<td>English/Language Arts III</td>
<td>Algebra II or Trigonometry Pre-Calculus or Statistics</td>
<td>Physics</td>
<td>World History World Geography</td>
<td>Principles of Engineering Information Technology Applications</td>
</tr>
<tr>
<td></td>
<td>12</td>
<td>College Placement Assessments-Academic/Career Advisement Provided</td>
<td>Trigonometry or Pre-Calculus/Calculus or AP Calculus or Math Analysis</td>
<td>AP Science or Structured Computer Program Language</td>
<td>Economics Entrepreneurship</td>
<td>Product Engineering and Development Digital Electronics</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>*Civil Engineering and Architecture Engineering Innovation</td>
</tr>
<tr>
<td>POSTSECONDARY</td>
<td>Year 13</td>
<td>English Composition</td>
<td>Algebra or Trigonometry Calculus I Calculus II</td>
<td>Chemistry</td>
<td>Psychology Global Issues</td>
<td>All plans of study need to meet learners career goals with regard to required degrees licenses certifications or journey worker status. Certain local student organization activities may also be important to include.</td>
</tr>
<tr>
<td></td>
<td>Year 14</td>
<td>Oral Communication Professional and Technical Writing</td>
<td>Introduction to Differential Equations Calculus III Statistics</td>
<td>Physics II Biology</td>
<td>American History Sociology Ethics and Legal Issues</td>
<td>Engineering Analysis Engineering Design</td>
</tr>
<tr>
<td></td>
<td>Year 15</td>
<td>Continue courses in the area of specialization.</td>
<td></td>
<td></td>
<td></td>
<td>Engineering Processes Continue Courses in the Area of Specialization</td>
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<tr>
<td></td>
<td>Year 16</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Complete Engineering and Technology Major (4-Year Degree Program)</td>
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</tbody>
</table>
# College Bound Four Year Plan (Example 2: Business Focus)

<table>
<thead>
<tr>
<th>YEAR</th>
<th>English/Language Arts</th>
<th>Math</th>
<th>Science</th>
<th>Social Studies/Sciences</th>
<th>Other Required Courses</th>
<th>Other Electives Recommended</th>
<th>Electives</th>
<th>Learner Activities</th>
<th>Career and Technical Courses and/or Degree Major Courses for Management Pathway</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>English/Language Arts</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
|      | 9                     | Algebra I or Geometry | Earth or Life or Physical Science or Biology | State History Geography | All plans of study should meet local and state high school graduation requirements and college entrance requirements. Certain local student organization activities are also important including public speaking, record keeping and work-based experiences. | - Business Essentials  
- Business Technology Applications | | | | |
|      | 10                    | Geometry or Algebra II | Biology or Chemistry | U.S. History | | - Business Communications | | | | |
|      | 11                    | Pre-Calculus or Algebra II | Chemistry or Physics | World History Psychology | | - Accounting  
- Business Law | | | | |
|      | College Placement Assessments/Academic/Career Advisement Provided | | | | | | | | |
|      | 12                    | Pre-Calculus or Calculus or Trigonometry or Statistics | Physics or other science course | Government Economics | | - Principles of Management  
- Advanced Accounting | | | | |
|      | Articulation/Dual Credit Transferred/Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes | | | | | | | | |
|      | Year 13               | English Composition  
English Literature | Algebra or Calculus | Lab Science | Economics Psychology | All plans of study need to meet learners' career goals with regard to required degrees, licenses, certifications or journey worker status. Certain local student organization activities may also be important to include. | - Managerial Accounting  
- Operations Management | | | |
|      | Year 14               | Speech/Oral Communication  
Technical Writing | Sociology  
Public Policy | | | - Human Resources Management  
- Organizational Leadership  
- Financial Accounting | - Continue Courses in the Area of Specialization | | | |
|      | Year 15               | Continue courses in the area of specialization. | | | | | | | | |
|      | Year 16               | | | | | - Complete Management Major  
(4-year degree program) | | | | |
## College Bound Four Year Plan (Example 3: Health Sciences Focus)

<table>
<thead>
<tr>
<th>Year</th>
<th>English/ Language Arts</th>
<th>Math</th>
<th>Science</th>
<th>Social Studies/ Sciences</th>
<th>Other Required Courses</th>
<th>Other Electives Recommended</th>
<th>Electives Learner Activities</th>
<th>Career and Technical Courses and/or Degree Major Courses for Biotechnology Research and Development Pathway</th>
</tr>
</thead>
</table>
| 9 | English/ Language Arts I | Algebra I | Biology | State History Civics | All plans of study should meet local and state high school graduation requirements and college entrance requirements. Certain local student organization activities are also important including public speaking, record keeping and work-based experiences. A foreign language is recommended. | | | | Health Science I: Introduction to Health Science  
Health Science II: Information Technology Applications  
Health Science II: Health, Safety and Ethics in the Health Environment  
Health Science III: Employment in Health Occupations  
Health Science IV: Introduction to Biotechnology Research and Development |
| 10 | English/ Language Arts II | Geometry | Chemistry | U.S. History | | | | |
| 11 | English/ Language Arts III | Algebra II | Physics or other science course | World History Sociology | | | | |
| 12 | English/ Language Arts IV | Trigonometry Calculus | Anatomy and Physiology Physics | Psychology Economics | | | | |
| | | | | | | | | |
| Year 13 | English Composition | Algebra or Calculus | Anatomy and Physiology Microbiology or Molecular Biology | American Government Psychology | All plans of study need to meet learners' career goals with regard to required degrees, licenses, certifications or journey worker status. Certain local student organization activities may also be important to include. Work-based learning is an integral part of this pathway. | | | Health Science V: Biotechnology Research and Development Preparation  
Continue Courses in the Area of Specialization |
| Year 14 | Speech/ Oral Communication Technical Writing | Statistics | Cell Biology Biochemistry Organic Chemistry | American History Sociology | | | |
| Year 15 | | | | Continue courses in the area of specialization. | | | |
| Year 16 | | | | | | | | Complete Biotechnology Research and Development Major (4-Year Degree Program) |
### College Bound Four Year Plan (Example 4: Entering ELD Student)

#### 9th Grade

<table>
<thead>
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<th>Fall Semester</th>
<th>Spring Semester</th>
<th>Summer Session I</th>
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<tbody>
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<td>ELD Inter A/ELD Inter B</td>
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<td>6</td>
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<td>ELD Inter A/ELD Inter B</td>
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#### 10th Grade

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#### 11th Grade

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<td>- Three SAT Subject Exams. Math, English and a subject of</td>
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Make sure to sign up for:
- Either SAT or ACT
- Three SAT Subject Exams. Math, English and a subject of your choice
### ELD Student Academic Plan (Example 5: Entering After 9th Grade at Vietnamese High School)

#### 10th Grade

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#### 11th Grade

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#### 12th Grade

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ELD Student Academic Plan (Example 6: Entering After 10th Grade at Vietnamese High School)

<table>
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9th & 10th Year at Local Schools

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<tbody>
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11th Year

12th Year

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Extra Year

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*Note: It is very possible to graduate after the Fall of the last year, however, it is not suggested for college bound students.
### ELD Student Academic Plan (Example 7: Entering After 11th Grade at Vietnamese High School)

#### 9th, 10th & 11th Year at Vietnamese Schools

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#### 12th Year

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<td>PE</td>
<td>PE</td>
<td>ELD Advance A</td>
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#### Extra Year

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*Note: Academic plan depends on how many credits students are able to transfer from other schools.*
# Four-Year Academic Plan

**Student:** _______________________

**Date:** _______________________

**Grade:** _______________________

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286 Lanh Binh Thang St., Ward 11, Dist. 11, HCMC, Vietnam
T: (84-8) 3962 4897, 3962 4898 - F: (84-8) 3962 4899
Email: info@apu.edu.vn

501 Lac Long Quan St., Ward 5, Dist. 11, HCMC, Vietnam
T: (84-8) 3975 0337, 3975 0338 - F: (84-8) 3962 4899
Website: www.apu.edu.vn