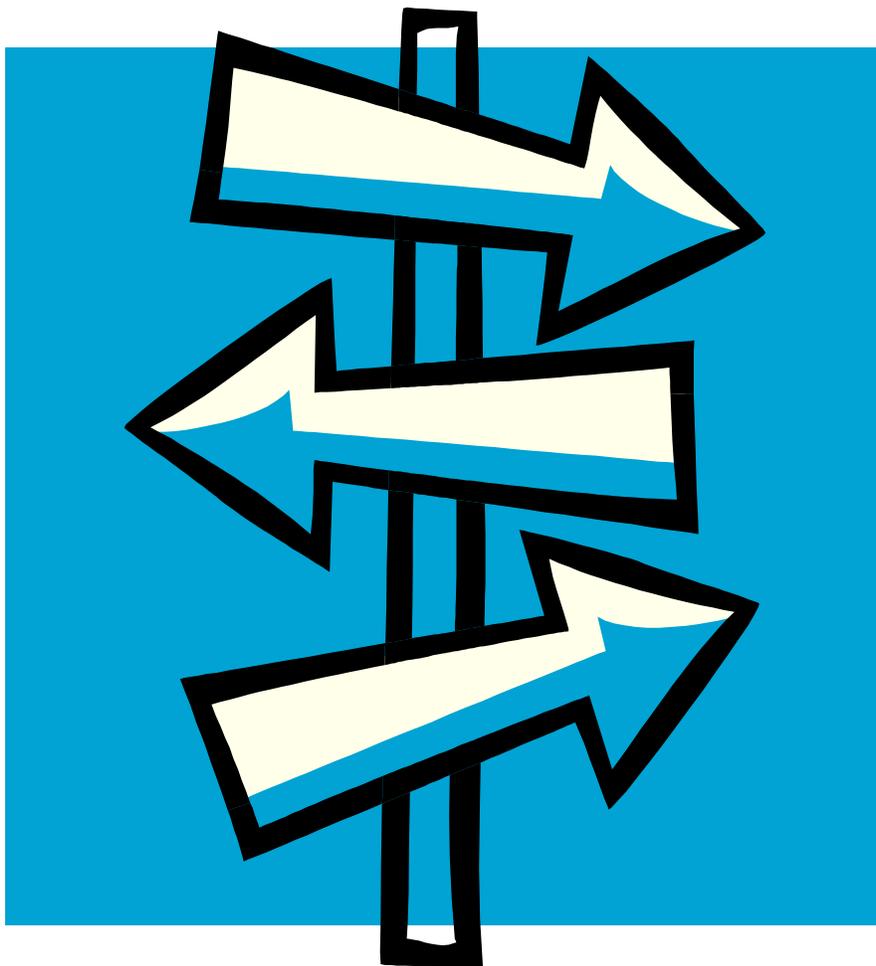


**Seoul American High School**  
**Course Description**  
**Guide**  
**2007-2008**



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The following is a listing of high school courses (grades 9-12) by department with indication of course length and prerequisites. Included in each core department section is the recommended sequence of courses. Placement into certain sections such as Honors or Advanced Placement is recommended based upon teacher recommendation, grades, and test scores. Selecting courses during the spring determines what is made available during the school year. Therefore it is critical that student requests are accurate and appropriate.

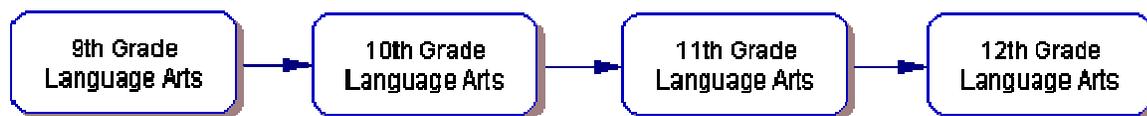
**\*ADVANCED PLACEMENT COURSES** carry “weighted” grades. In calculation of grade point average, they receive one extra point. The AP exams (given in May) **MUST** be taken in order to receive the weighted grade. Please meet with your Counselor before selecting Advanced Placement courses.

# DoDEA Class of 2008 and Beyond Graduation Requirements

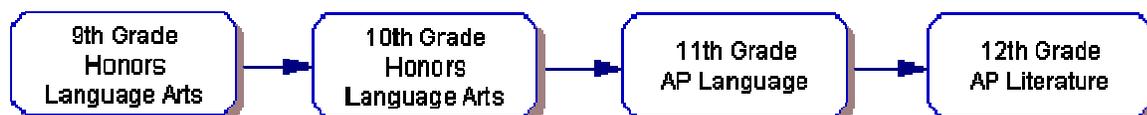
Required Courses	Units
<b>English Language Arts 9, 10, 11, 12</b> (2 years of ESL may be substituted for 2 years of English Language Arts.)	4
<b>Social Studies</b> (1 credit of U.S. History, 1 credit of either World Regions or World History, and 1/2 credit in U.S. Government required.)	3
<b>Mathematics</b> (Algebra I and Geometry are required. The third math credit must have a course code of 400 or above excluding Lab classes.)	3
<b>Science</b> (Biology is required and either a chemistry or physics credit is required. Physics Applications in the Community and Chemistry Applications meet the credit requirements for graduation.)	3
<b>Foreign Language</b> ( A total of 2 credits in the same foreign language is required.)	2
<b>Professional Technical Studies</b> (1/2 credit must be in a computer technology.)	2
<b>Physical Education</b>	1 1/2
<b>Fine Arts</b> (Courses used to meet this credit must relate to: visual arts, music, theater, dance, and/or humanities.)	1
<b>Health Education</b>	1/2
<b>Sub-total for Required Courses</b>	20
<b>Sub-total for Elective Courses</b>	6
<b>TOTAL CREDITS</b>	<b>26</b>

## LANGUAGE ARTS (ENGLISH)

### Recommended Sequence



### Honors/Advanced Studies Sequence



Students can move from the Honors/Advanced Studies sequence to the recommended sequence at the end of a course.

Course Code	Course Title	Length	Grade Level	Preparation
LAE301	Language Arts 9	Y	9	English 8
LAE371	Honors Lit-Wrld Hist 9	Y	9	English 8*
LAE401	Language Arts 10	Y	10	English 9
LAE471	Honors Lit-Wrld Hist 10	Y	10	English 9*
LAE501	Language Arts 11	Y	11	English 10
LAC614	AP English Lang+	Y	11	English 10*
LAE601	Language Arts 12	Y	12	English 11
LAL613	AP English Lit+	Y	12	English 11*
LAA301	English 2nd Lang.	SEM/Y	9-12	In ESL Program
LAA302	Entrance into Engl	Y	9-12	In ESL Program
LAA303	Beginning Communication (1, 2, or 3 hours)	SEM/Y	9-12	In ESL Program
LAA401	Developing Communication (1 or 2 hours)	SEM/Y	9-12	In ESL Program
LAA501	Expanding Communication	SEM/Y	10-12	In ESL Program
LAA601	Bridging Communication	SEM/Y	10-12	In ESL Program

\*Teacher Recommendation, test scores and grades will be used in selection process.  
+Advanced Placement Courses

## **LANGUAGE ARTS COURSE DESCRIPTIONS**

### **LAE301 Language Arts 9**

This course is designed to strengthen a student's basic skills and knowledge of the English language. Content includes speaking, writing, listening, and general language skill development.

### **LAE371 Honors Literature-World History 9**

This is an integrated course for students interested in taking 9<sup>th</sup> grade Honors Social Studies and English. The course uses the chronological study of world history from ancient civilizations to 1500 and covers the themes of culture, science and technology, economics, and government. The content integrates readings and writings that focus on exploring, interpreting, and analyzing literature and other readings that extend and support the world history discussions and research. The course is a demanding study of world history and literature, requiring students to understand, analyze, and interpret the connections between major historical events and the writings of the time. Critical thinking, philosophical discussion, concept attainment, vocabulary development, language usage, and research will be stressed. The development of discussion and presentation skills will focus on analysis, interpretation, and evaluation. This course must be taken in conjunction with Honors World History – 9.

### **LAE401 Language Arts 10**

This course focuses student skills on listening, speaking, writing, literature and language. Course content will include: grammar, gathering of research information, test taking skills and interpretation, understanding and appreciation of literary forms, including both poetry and prose.

### **LAE471 Honors Literature-World History 10**

This is an integrated course for students interested in taking 10<sup>th</sup> grade Honors Social Studies and English. The course uses the chronological study of world history from 1500 to the present and covers the themes of culture, science and technology, economics, and government. The content integrates readings and writings that focus on exploring, interpreting, and analyzing literature and other readings that extend and support the world history discussions and research. The course is a demanding study of world history and literature, requiring students to understand, analyze, and interpret the connections between major historical events and the writings of the time. Critical thinking, philosophical discussion, concept attainment, vocabulary development, language usage, and research will be stressed. The development of discussion and presentation skills will focus on analysis, interpretation, and evaluation. This course must be taken in conjunction with Honors World History – 10.

## **LAE501 Language Arts 11**

English 11 is an integrated literature and composition program. Students will gain an appreciation of our American literary heritage through the study of selected writings and contributions of major authors. Students will review and extend skills through paragraph development, expository writing and research skills. The study of research and library skills will culminate with the completion of a research paper.

## **LAC614 Advanced Placement English, Language and Composition+**

The Advanced Placement English Language and Composition course engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing. This course will emphasize the expository, analytical, and argumentative writing that forms the basis of academic and professional communication that fosters the development of writing facility in any context. The AP Language and Composition course assumes that students already understand and use standard English grammar. The intense concentration on language use in this course should enhance their ability to use grammatical conventions both appropriately and with sophistication as well as to develop stylistic maturity in their prose. This course will prepare students for taking the AP exam administered in May of each year.

## **LAE601 Language Arts 12**

English 12 focuses on the study of selected writings and contributions of major authors in British literature. Students will develop their literary abilities to read critically and analytically in various genres and styles. The composition component includes paragraph development, essays of exposition and argumentation, research skills and writing, communication skills for preparing career choices, and creative writing.

## **LAL613 Advanced Placement English, Literature and Composition+**

The Advanced Placement English Literature and Composition course (grade 12) will engage students in the careful reading of literary works. Through such study, the student will sharpen awareness of language and understanding of the writer's craft. Students will consider structure, meaning, and value, and relationship to contemporary experience and to the context in which it was written. Importantly, students will involve themselves in the study of argument, of appropriate word choice, of the subtleties of language use. They will engage in writing practice which goes beyond the construction of the 5 paragraph essay, working with ideas that are sophisticated and mature in nature. It is assumed that students enter the course with a firm grasp of reading, writing, grammar, and research skills. The course will prepare students for taking the AP exam administered in May of each year.

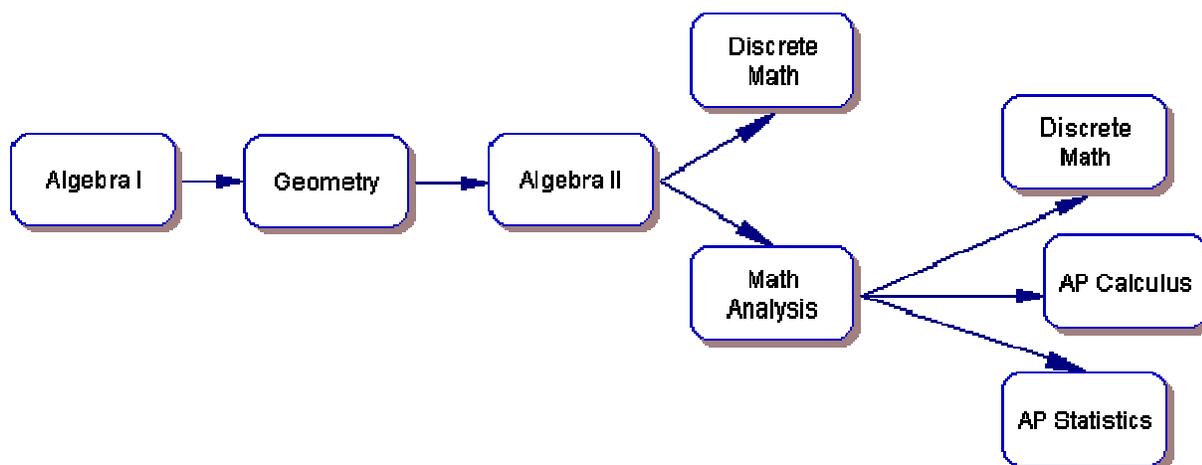
LAA301 **English As A Second Language**  
LAA302 **Entrance Into English**  
LAA303 **Beginning Communication** (1, 2, or 3 hours)  
LAA401 **Developing Communication** (1 or 2 hours)  
LAA501 **Expanding Communication**  
LAA601 **Bridging Communication**

These classes are designed to prepare students for competency in listening, speaking, reading, and writing English. These classes are for students whose first language is not English.

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## MATHEMATICS

### Recommended Sequence



Students who are unsuccessful with Algebra II can elect to take Discrete Math for their third year of Mathematics. Once students have completed Math Analysis they can elect to take any or all of the following courses: Discrete Math, AP Calculus, and AP Statistics.

Course Code	Course Title	Length	Grade Level	Preparation
MAA301	Algebra I	Y	9-12	None
MAG401	Geometry	Y	10-12	Algebra I
MAZ501	Discrete math	Y	10-12	Geometry
MAA401	Algebra II	Y	10-12	Geometry
MAD501	Math Analysis	Y	11-12	Algebra II
MAC612	AP Calculus AB+	Y	12	Math Analysis
MAZ611	AP Statistics+	Y	12	Math Analysis

### MATHEMATICS COURSE DESCRIPTIONS

#### MAA301 **ALGEBRA I**

This course may be the most common entry-level course for students who have had a rich and varied middle level mathematics program. It expands upon basic algebraic concepts previously acquired and integrates those principles with everyday life.

#### MAG401 **GEOMETRY**

This course is designed to develop and promote student reasoning and problem solving geometric concepts and properties. Topics of study will include deductive reasoning, using points, lines, and plane, segments, angles and triangles, quadrilaterals, polygons, and three-dimensional figures. Real life applications will be included.

#### MAZ501 **DISCRETE MATH**

Discrete mathematics is concerned with designing, using and analyzing algorithms that solve problems and develop theory, sometimes making use of computer technology. Sample topics include: graph theory, combinatorics, voting theory and matrices.

### **MAA401 ALGEBRA II**

This course will help students to view algebra as a language of modeling the real world through problem solving and using the languages of manipulating symbols. Students will integrate algebra into geometry, data analysis, and other curricular areas.

### **MAD501 MATHEMATICAL ANALYSIS**

Math Analysis is a Pre-Calculus class to prepare students for college mathematics. It begins with a review of topics from Algebra II and moves into a detailed study of trigonometry and exponents. Graphing is also covered in depth throughout the course. Techniques from calculus, polar coordinates, conic sections, and vectors are included. Sequence and series may also be covered.

### **MAC612 ADVANCED PLACEMENT CALCULUS AB+**

AP Calculus is a college course taught at the high school level with opportunity to take the Advanced Placement Examination in May and earn college credit. It covers both differential and integral calculus with applications to graphing, area, volume and work.

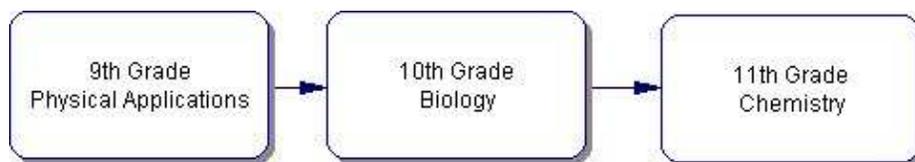
### **MAZ611 ADVANCED PLACEMENT STATISTICS+**

The concepts and content for AP Statistics incorporate the syllabus of the College Board. The topics for AP Statistics are divided into four major themes: exploratory analysis, planning a study, probability, and statistical inference. Exploratory analysis of data makes use of graphical and numerical techniques to study patterns and departures from patterns.

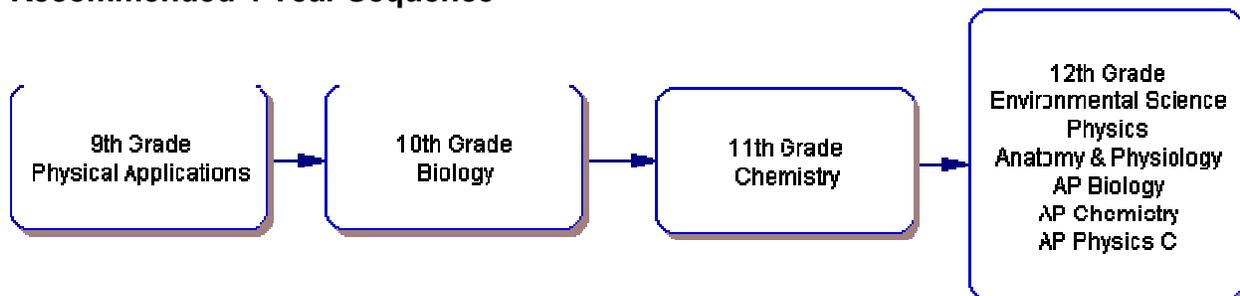
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## SCIENCE

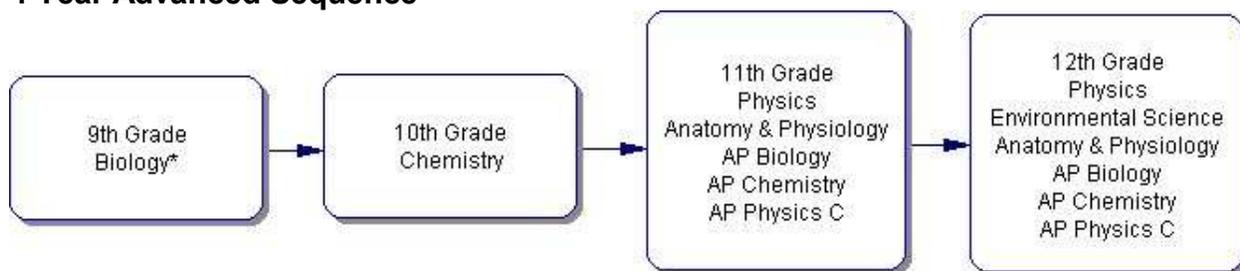
### Recommended 3 year Sequence



### Recommended 4 Year Sequence



### 4 Year Advanced Sequence



Course Code	Course Title	Length	Grade Level	Preparation
SCB401	BIOLOGY	Y	9-12	None*
SCZ401	ENVIRONMENT SCI	Y	9-12	None
SCC501	CHEMISTRY	Y	10-12	Algebra I
SCP302	PHYS APPS COMM	Y	9-12	None
SCP501	PHYSICS	Y	10-12	Algebra I
SCP612	AP PHYSICS B+	Y	11-12	Physics*
SCB612	AP BIOLOGY+	Y	11-12	Biology*
SCC612	AP CHEMISTRY+	Y	11-12	Chemistry*
SCX401	HUMAN ANAT & PHYS	Y	10-12	Biology

\*Teacher Recommendation, test scores and grades will be used in selection process.

## **SCIENCE COURSE DESCRIPTIONS**

### **SCP302 Physical Applications in the Community**

Introduction to Physics presents concepts of physics in relation to world experiences. Information is presented in an integrated approach, linking physics with technology, social perspectives, and the history and nature of science.

The course presents a thematic approach to physics using explorations of topics. Kinematics and dynamics are introduced by studying the physics of sports and transportation systems. Communication and information technologies are used to examine wave theory, light, and sound. Electrical and thermal energy topics are studied within the context of the home, as well as on a global scale. Applications of physics to health and medicine provide opportunities to study x-rays, CT scans, and ultrasound. Scientific predictions, such as those associated with radioactive decay, Newton's first two laws, the Law of Universal Gravitation, and special relativity, are contrasted with non-scientific views in order to highlight the characteristics of good science.

### **SCB401 Biology**

This is a college preparatory class that emphasizes biological organization and life processes of living organisms. High school biology incorporates lectures with a practical laboratory program. Students learn the value of making accurate observations and data recording to arrive at valid conclusions.

### **SCZ401 Environmental Science**

Environmental Science is designed to be an elective course for students with a special interest and high motivation for an in-depth study of environmental science. Information is presented in an integrated approach with science as inquiry, science & technology, science & social perspectives, and the history & nature of science. The course integrates unifying science concepts and processes of systems, order & organization, evidence, models & explanation, change, consistency & equilibrium, and form & function. Scientific inquiry and understanding about inquiry are emphasized through practical implications and meaningful applications. Topics students study include, but are not limited to, the laws of matter and energy, ecosystem analysis, population dynamics, renewable and nonrenewable resources, human impact on the environment, and the relationships among economics, politics, ethics, and the environment.

### **SCC501 Chemistry**

This is a college preparatory course that includes topics in atomic theory and structure, chemical bonding and behavior, and the structure of elements, compounds, and mixtures. Laboratory experiments are used to help introduce and clarify topics covered. Major emphasis is placed on problem solving. Chemistry requires successful completion of

Algebra I (MAA304). (Concurrent enrollment or completion of Algebra II is highly recommended.)

### **SCP501 Physics**

Physics is a college preparatory course that provides an understanding of the physical laws fundamental to all science. Utilizing a problem solving approach, topics such as mechanics, wave theory, heat, sound, light, magnetism, electricity, atomic structure, nuclear reactions, and high-energy physics will be explored. Concepts presented will be reinforced through lectures, student activities and laboratory experiments. Special attention is given to the mathematical treatment of data.

### **SCP612 Advanced Placement Physics B+**

The AP Physics B course includes topics in both classical and modern physics. The course seeks to be a representative of topics covered in similar college courses, as determined by periodic surveys. The course covers five general areas: Newtonian mechanics, thermal physics, electricity and magnetism, waves and optics, and nuclear physics. Knowledge of algebra and some trigonometry is required. Understanding of the basic principles involved and the ability to apply these principles in the solution of problems are the major goals of the course. This AP course is designed to be studied after the successful completion of course work in high school physics.

### **SCB612 Advanced Placement Biology+**

This course is designed as an equivalent of a college introductory course. The college course in biology differs significantly from the usual first high school course in biology with respect to the textbook and the range and depth of topics covered, the kind of laboratory work done, and the time and effort required of the students. This AP course is designed to be studied after the successful completion of course work in high school biology and chemistry.

### **SCC612 Advanced Placement Chemistry+**

This course is designed as an equivalent of a college introductory course. The college course in general chemistry differs qualitatively from the usual first high school chemistry course with respect to the textbook, topics covered, the emphasis on chemical calculations and the mathematical formulation of principles, and the kind of laboratory work done by students. This AP course is designed to be studied after the successful completion of course work in high school chemistry.

### **SCX401 Human Anatomy and Physiology**

This course is designed for students with a special interest and high motivation for an in-depth study of the normal human structures and functions. Laboratory investigations are

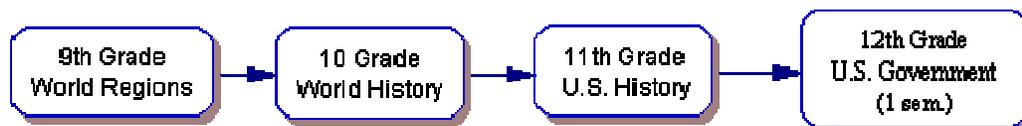
emphasized. Topics studied include the muscular, nervous, digestive, respiratory, circulatory, excretory, endocrine, and reproductive systems.

ALL SCIENCE CLASSES ARE FULL YEAR IN LENGTH.

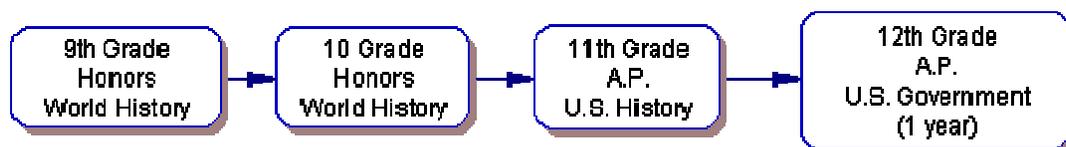
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## SOCIAL STUDIES

### Recommended Sequence



### Advanced Studies Sequence



There are several Social Studies courses that can be taken Sociology, Street Law, Psychology,

Course Code	Course Title	Length	Grade Level	Preparation
SSC301	World Regions	Y	9-12	None
SSW371	Honors Wrld Hist-Lit 9*	Y	9	8 <sup>th</sup> US History♦
SSW401	World History	Y	9-12	None
SSW471	Honors Wrld Hist-Lit10**	Y	10	9 <sup>th</sup> World Regions♦
SSU501	U.S. History	Y	11-12	
SSU611	AP U.S. History+	Y	11-12	10 <sup>th</sup> World History♦
SSP501	Psychology	SEM	11-12	None
SSZ303	Street Law	SEM	11-12	None
SSG601	U.s. Government	SEM	12	None
SSG612	AP Govt & Pol+	Y	12	AP US History♦
SSN401	Economics	SEM	10-12	None

\*Concurrent enrollment in Honors Literature 9 and Honors World History required

\*\*Concurrent enrollment in Honors Literature 10 and Honors World History required.

♦Teacher Recommendation, test scores and grades will be used in selection process.

## SOCIAL STUDIES COURSE DESCRIPTIONS

### SSC301 World Regions

The world regions/cultures course is designed to study other cultures so students can understand the global community in which they live. Students develop skills necessary to analyze change and continue the study of cultures and geography begun in the sixth and seventh grades. An overview of physical geographic concepts and skills is basic to this course. Its emphasis is on the cultures of the Southwest Asia (Middle East), Africa,

South Asia, Central Asia, East Asia, Southeast Asia, and Europe. The host nation culture is studied and used as a basis of comparison.

### **SSW371 Honors World History – Lit 9**

This is an integrated course for students interested in taking 9<sup>th</sup> grade Honors Social Studies and English. The course uses the chronological study of world history from ancient civilizations to 1500 and covers the themes of culture, science and technology, economics, and government. The content integrates readings and writings that focus on exploring, interpreting, and analyzing literature and other readings that extend and support the world history discussions and research. The course is a demanding study of world history and literature, requiring students to understand, analyze, and interpret the connections between major historical events and the writings of the time. Critical thinking, philosophical discussion, concept attainment, vocabulary development, language usage, and research will be stressed. The development of discussion and presentation skills will focus on analysis, interpretation, and evaluation. This course must be taken in conjunction with Honors Literature-World History 9.

### **SSW401 World History**

This full-year course is a survey of world history from the Middle Ages to the present time. It is a recommended class for the college bound sophomore. This is an academically challenging course and a good foundation in world cultures is essential.

### **SSW471 Honors World History – Lit 10**

This is an integrated course for students interested in taking 10<sup>th</sup> grade Honors Social Studies and English. The course uses the chronological study of world history from 1500 to the present and covers the themes of culture, science and technology, economics, and government. The content integrates readings and writings that focus on exploring, interpreting, and analyzing literature and other readings that extend and support the world history discussions and research. The course is a demanding study of world history and literature, requiring students to understand, analyze, and interpret the connections between major historical events and the writings of the time. Critical thinking, philosophical discussion, concept attainment, vocabulary development, language usage, and research will be stressed. The development of discussion and presentation skills will focus on analysis, interpretation, and evaluation. This is a full-year course.

### **SSU501 U.S. History**

U.S. History is a required course for graduation. This course is a study of the history of the United States with an emphasis on the period from the Reconstruction to the present. This full-year course is restricted to *Juniors and Seniors*.

## **SSU611 AP United States History+**

This yearlong course follows the description and requirements set by the College Board for advanced placement classes. An in-depth study of United States history, the course requires an above average reading, writing and interpretive abilities. This course is restricted to *Juniors and Seniors*. Please note that seniors may enroll after completing regular US History.

## **SSP501 Psychology**

This semester class in “applied” psychology will equip *Juniors and Seniors* with success principles, positive habits and knowledge to succeed in life. Included in this course are topics in the history of psychology, psychological methods, personality testing and development, the human brain, sensation and perception, motivation and emotion, behavioral modification, principles of learning, information processing and memory, human development, and psychological disorders.

## **SSZ303 Street Law**

This semester class will provide students with knowledge that will be of practical use in their everyday lives. Students will learn how every purchase, lease, contract, marriage, divorce, crime, and traffic violation places them face-to-face with the law. Topics will include an introduction to law and the legal system, criminal, family, housing and consumer law, as well as individual rights and responsibilities. Students will study current issues and controversies relating to law and the legal system. Students will learn different methods of solving legal problems, including negotiation, mediation and the trial process. An effort will be made to make the course relevant to students at Seoul American High School by including special lessons that compare American and Korean law as well as instruction in the basics of the Code of Military Justice.

## **SSG601 U.S. Government**

This course is a required, one semester, study of the government of the United States. An emphasis on the structure and function of the government provides the background for the study of individual political responsibility and participation. Required for all seniors.

## **SSG612 AP American Government and Politics+**

This yearlong course is open to *Seniors* and follows the description and requirements set by the College Board for advanced placement classes. It is an in-depth study of the government of the United States, and the course requires an above average reading ability.

## **SSS401 Sociology**

The sociology course is designed to be an elective one-semester course for grades ten through twelve that deals with the study of the structure of society, and its groups,

institutions, and cultures. Students investigate societal and cultural phenomena that influence the behavior of groups and individuals. Students study current social problems and utilize methods of sociological investigation and research.

### SSN401 **Economics**

The economics course is a one-semester course designed to acquaint students with the major concepts in the study of economics. Students study how scarce resources are allocated among competing demands. The production, distribution, and accumulation of wealth are discussed and analyzed. Supply and demand, business organization, money and banking, the role of the federal government, and comparisons among economic systems are major topics of study. The course is offered to the secondary student, grades ten through twelve.

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# Physical Education & Health

## Freshman Year



## Sophomore Year



**PEF301, PEL301, HLH301, and PEN301 Are required for graduation.**

Course Code	Course Name	Length	Grade Level	Preparation
PEF301	Personal Fitness	SEM	9-12	None
PEL301	Lifetime Sports	SEM	9-12	None
PEN301	PE-Activity Nutrition	SEM	9-12	PEF301& PEL301
HLH301	Health Ed	SEM	9-12	None
PEG401	Conditioning	SEM/Y	9-12	None
PEG408	Combative Sports	SEM/Y	9-12	None

## PHYSICAL EDUCATION & HEALTH COURSE DESCRIPTIONS

### PEF301 Personal Fitness

This course is designed to provide students with the knowledge needed to make decisions regarding personal fitness, exercise, lifestyle and nutrition. The students will develop and implement personal workouts for strength, flexibility, and cardiovascular fitness.

### PEL301 Lifetime Sports

This course is designed to expose students to a wide variety of athletic activities and to ensure each individual has the necessary skills and information to participate in physical activity throughout life.

### PEN301 PE-Activity Nutrition

This one-semester class is required for graduation, following Lifetime Sport and Personal Fitness. This course will cover team, individual and lifetime sports as well as Nutrition.

### HLH301 Health Ed

The purpose of this semester course is to provide students with a comprehensive coverage of contemporary health topics: mental/emotional health, family/social health, growth and development, substance use/abuse, food/nutrition, exercise/fitness, diseases/disorders, consumer/personal health and safety/first aid.

### **PEG401 Conditioning**

This year long course is designed to enable students to continue to develop the movement skills and conceptual knowledge in sports and physical activities of the student's choosing. The course focuses on one category of sport or activity, teaching and improving the motor skills and tactical knowledge unique to that category of physical activity, which may include individual non-competitive activities listed.

### **PEG408 Combative Sports**

This semester long course is designed to enable students to continue to develop the movement skills and conceptual knowledge in sports and physical activities of the student's choosing. The course focuses on one category of sport or activity, teaching and improving the motor skills and tactical knowledge unique to that category of physical activity, which may include individual non-competitive activities listed.

## FOREIGN LANGUAGE

Course Code	Course Name	Length	Grade Level	Preparation
FLF301	French I	Y	9-12	None
FLF401	French II	Y	9-12	French I
FLF501	French III	Y	9-12	French II
FLF601	French IV	Y	9-12	French III
FLG301	German I	Y	9-12	None
FLG 401	German II	Y	9-12	German I
FLG 501	German III	Y	9-12	German II
FLG 601	German IV	Y	9-12	German III
FLK301	Korean I	Y	9-12	None
FLK401	Korean II	Y	9-12	Korean I
FLK501	Korean III	Y	9-12	Korean II
FLK601	Korean IV	Y	9-12	Korean III
FLS301	Spanish I	Y	9-12	None
FLS401	Spanish II	Y	9-12	Spanish I
FLS501	Spanish III	Y	9-12	Spanish II
FLS 601	Spanish IV	Y	9-12	Spanish III
FLC301	Chinese I	Y	9-12	None
FLC401	Chinese II	Y	9-12	Chinese I

### FOREIGN LANGUAGE COURSE DESCRIPTIONS

#### First Year of Foreign Language

The beginning language courses offer an integrated study of grammar, vocabulary and culture of the target language. Emphasis is placed upon the basic skills such as pronunciation, simple sentences and essential words and phrases. While some of the cultural and grammatical concepts will be explained in English, every effort is made to speak in the target language; therefore, it is advised that students have reasonable proficiency in English.

#### Second Year of Foreign Language

The second year of the language program offers opportunities for further growth and mastery of the foreign language. Emphasis will be placed on expanding knowledge in grammar, vocabulary and culture of the target language. There will be increased opportunities to practice using conversational skills as well as developing a basic writing style. There will be an effort to speak only in the target language.

#### Third Year of Foreign Language

The third year language programs offer opportunities for in-depth and advanced study in the foreign language. Emphasis will be placed on mastery of complex grammatical concepts, development of wider vocabulary and reading comprehension. The student will

study basic works of literature along with more complex aspects of the target language and its people.

#### **Fourth Through Sixth Level Of Foreign Language**

The fourth through sixth years of language study provide greater in-depth and advanced study of the foreign language. Review of grammatical concepts will be achieved through an increasing complexity of writing, reading, speaking, and listening activities. The student will be expected to converse with ease in the target language with emphasis being placed on developing the finer nuances of the language.

## FINE ARTS

Course Code	Course Title	Length	Grade Level	Recommendation
ARA301s	Fundamentals of Art	SEM	9-12	None
ARH401S	Photography*	SEM	9-12	None
ARW401S	Drawing	SEM	9-12	Fund. of Art
ARP401S	Painting	SEM	9-12	Fund. of Art
ARA612	AP Studio Art+	Y	12	Fund. of Art
HUH401S	Humanities	SEM	9-12	None
MUI301	Beginning Band**	Y	9-12	None
MUI302	Intermediate Band**	Y	9-12	<b>Audition</b>
MUI303	Advanced Band**	Y	9-12	<b>Audition</b>
MUI304	Jazz Ensemble	Y	9-12	<b>Audition</b>
MUI305	String Ensemble	Y	9-12	<b>Audition</b>
MUV301	Beginning Chorus**	Y	9-12	None
MUV302	Advanced Chorus**	Y	9-12	<b>Audition</b>
MUV303	Show Choir	Y	9-12	<b>Audition</b>
MUS301	Guitar I	Y	9-12	None
MUS302	Guitar II	Y	9-12	<b>Audition</b>
DRA301S	Drama-Theater**	SEM	9-12	None

\*\*With permission from the instructor, may be repeated for credit. Subsequent enrollment requires more rigor.

### FINE ARTS COURSE DESCRIPTIONS

#### ARA301S **Fundamentals of Art**

Designed as the basic entry course for the art program, this yearlong course provides instruction in the use of line, color, texture, shape, and space arrangement in works of art. Students learn how to compose a balanced, rhythmic, unified design through a series of assignments that use a variety of two-and three-dimensional art media. Course emphasis is placed on the basic techniques of drawing, painting and printmaking, which can be used throughout life for communication, expression, and enjoyment.

#### ARH401S **Photography**

The photography course is designed to introduce the digital camera and basic photography techniques. Instructional activities will provide practice in using a variety of photographic tools and software. Principles of input, output and computer processing techniques are covered. Students will produce black/white and color photographic images and produce a photographic essay using prints. Photography as applied to situations in illustrative, commercial and advertising photography are discussed and practiced. This course is one-semester.

## **ARW401S Drawing**

Drawing is a course designed for students who want to further develop their skills using many different media including pencil, pastels, acrylics, pen and ink, scratchboard and etching. Students explore several aspects of drawing with the aim of developing their own personal expression. Students must have successfully completed Fundamentals of Art before enrolling in Drawing. This course may be taken for one or two semesters.

## **ARA612 Advanced Placement Studio Art, General Portfolio+**

The AP Studio Art, General Portfolio course is a yearlong course designed by the College Board Advanced Placement program. Instead of taking an examination, studio art candidates are required to produce a portfolio for evaluation, which is to be prepared and submitted according to the AP specifications. Each portfolio contains three sections: quality, for which original works are submitted (four works are required); concentration, an in-depth, individual project (up to 20 slides or a film or videotape are required); and breadth, demonstration of a wide range of experience (20 slides are required).

## **HUH401S Humanities**

The humanities course is designed to be an integrated study of history, literature, language, philosophy, the visual arts, theatre, dance, and music. Emphasis is placed on critical thinking, creativity, and the rights and responsibilities of the individual in a society. Students explore aspects of human behavior and human ideals. This is a one-semester class.

## **MUI101 Beginning Band**

The beginning band course is designed to introduce students to the following: basic instrumental music techniques such as tone production, articulation, breath control, pitch discrimination; melodic and rhythmic concepts and patterns; practice skills and habits; solo, ensemble, and full group rehearsals; a variety of instrumental repertoire; opportunities for private instruction; experiences in performing; and sound practice habits.

## **MUI302 Intermediate Band**

Intermediate Band students are introduced to music notation, rhythms, terminology, key signatures, minor and major scales, sight-reading and a variety of styles of music beyond a Beginning (1<sup>st</sup> and 2<sup>nd</sup> year) Band level. Opportunities exist for participation in large group, small group/ensemble and solo performances.

## **MUI303 Advanced Band**

Advanced Band members are introduced to levels of rhythms, music notation, and terminology and sight-reading beyond an Intermediate Band (2<sup>nd</sup>-3<sup>rd</sup> year) level as well as an understanding of all Major and minor key signatures and scales. A variety of performance opportunities exist including large group (entire wind band), small group/ensemble and solo performances during the school year. All Advanced Band members are strongly encouraged to audition for DoDDS-Pacific Honor Band.

### **MUI304 Jazz Ensemble**

Members of Jazz Band are accepted on an audition basis from Advanced Band level band students. A variety of jazz styles are learned and performed, as well as opportunities for students to learn and perform using improvisation.

### **MUI305 String Ensemble**

The string ensemble course is designed to acquaint students with beginning to advanced instrumental music skills which include, but are not limited to, the following content: beginning to intermediate level sight-reading skills; discrimination of pitch; absolute essentials for playing in tune; inter-mediate rhythm concepts and patterns; technique for achieving the essentials of unit, balance, and contract in performing instrumental music; study of all major and minor scales; performance of a variety of good musical repertoire; and listening skills development.

### **MUV301 Beginning Chorus**

The purpose of this course is to provide students with vocal music competencies and experiences: reading music notation vocally, singing with ensembles and choirs using two, three, and four-part music; performances in public using good vocal techniques. Grading will be on class performance, correct usage of musical and vocal principles taught and public performances.

### **MUV302 Advanced Chorus**

This class is for a selected group of singers who are willing to work to prepare and perform various types of music in public. Self-discipline and a desire to work in this class are essential elements of the students' evaluation.

### **MUV303 Show Choir (Vocal Jazz Ensemble -Camerata)**

This course is open to students who have a strong desire to perform. Students will need to audition and will be selected by the director. This is a small performing ensemble of the top vocalists in the school. The class will concentrate on jazz and popular music, choreography and performing.

### **MUS301 Guitar I**

The guitar I course is designed to introduce students to the study of the guitar. The content includes, but is not limited to, staff notation and rhythm concepts, major and minor chord recognition, strumming and picking techniques, duple and triple meters, listening skills, guitar styles and forms, familiarity in the playing of all strings, variety of guitar repertoire, performance as soloists and in group ensembles, tuning and intonation, and guitar accompaniment techniques.

### **MUS302 Guitar II**

The guitar II course is designed to introduce students to the advanced study of the guitar. The content includes, but is not limited to, staff notation and rhythm concepts, major and minor chord recognition, strumming and picking techniques, duple and triple meters, listening skills, guitar styles and forms, familiarity in the playing of all strings, variety of guitar repertoire, performance as soloists and in group ensembles, tuning and intonation, guitar accompaniment techniques, major and minor scales, and position change.

### **DRA301S Drama-Theater**

This semester course offers an introduction to the performing art of drama. Students will study pantomime, oral interpretation, voice and diction, stage movement, and character development. Because this course is a performance class, grading will be based on participation, rehearsal, and performance. Some theatre history will be covered and outside reading of plays will be required.

## PROFESSIONAL TECHNICAL STUDIES

<b>Course Code</b>	<b>Course Title</b>	<b>Length</b>	<b>Grade Level</b>	<b>Recommendation</b>
PTB301	Bus & Personal Finances	Y	9-12	None
PTB401	Mgmt. & International Business	Sem/Y	11-12	None
PTB402	Account I	Y	9-12	None
PTB501	Mktg & Entrepren.	Y	11-12	None
PTB502	Account II	Y	11-12	Accounting I
PTB503	Business Law	Y	11-12	None
PTI 407S	Web Site Dev-Mgt	Sem	9-12	None
PTI303	Word Processing Sfwr App	Sem	9-12	None
PTI304	Presention Sfwr App	Sem	9-12	None
PTI305S	Database Swfr App	Sem	9-12	None
PTI306	Spreadsheet Sfwr App	Sem	9-12	None
PTI308	Publication Sfwr App	Sem/Y	9-12	None
PTI309	Computer Srv/Supp	Y	10-12	None
PTI405	Interactive Multimedia	Sem/Y	9-12	None
PTI501	Cisco Networking I	Y	10-12	None
PTI601	Cisco Networking II	Y	11-12	None
PTL401	Lodging I	Y	9-12	None
PTL502	Lodging II (2 hrs)	Y	10-12	None
PTP305	Java I	Sem	9-12	None
PTP306	Java II	Sem	9-12	Java 1
PTV301	Video Comm I	Y	9-12	None
PTV401	Video Comm II	Y	9-12	Video Comm. I
PTV501	Video Comm III	Y	9-12	Video Comm. II
PTW501	Career Practicum	Y	12	None
PTZ304	Family Consumer Sci	Sem	9-12	None
PTZ306	Nutrition, Fit & Wellness	Sem	9-12	None
VER301	Army JROTC I	Y	9-12	None
VER401	Army JROTC II	Y	9-12	None
VER501	Army JROTC III	Y	9-12	None
VER601	Army JROTC IV	Y	9-12	None

## **PROFESSIONAL TECHNICAL STUDIES COURSE DESCRIPTIONS**

### **PTB301 Business & Personal Finances**

This course is designed to make students aware of the financial challenges confronting them in daily living. Included will be such topics as how to make intelligent decisions in spending and saving; how to maintain good financial records; how to avoid financial disasters that result from the unwise use of credit and credit cards; information about banking services, insurance choices, and investment choices; and how to prepare income tax forms. This course counts for PTS credit.

### **PTB401S Management International Business**

International Business introduces students to the basic concepts of world trade, the different world markets, and the methods used to import and export goods. Students are taught to think in terms of the different legal, cultural, economic, and political environments. The course will include workplace skills such as time management, money management, human resources management, listening skills, speaking skills, and accessing/ evaluating electronic resources. This yearlong course for grades 9-12 provides an overview of business as well as the social and economic environments affecting business. Basic principles of organization and management as well as entrepreneurship and management skills and techniques are covered. Units of instruction include economics, finance, marketing, human resources, and global competitiveness. This course counts for PTS credit.

### **PTB402 Accounting I**

Accounting I introduces students to accepted accounting principles and the complete basic accounting cycle, which includes financial statements for service and merchandising businesses. Additional topics covered are payroll, notes, depreciation, forms of ownership, and the importance of ethics. This is a full year course and counts for PTS credit.

### **PTB501S Marketing & Entrepreneurship**

The marketing course enables students to gain a basic understanding of marketing principles, techniques, and career opportunities. Instruction will include the relationship of products, prices, promotions to the marketing of goods and services to consumers. Ethics and social responsibilities of free enterprise will be included. Entrepreneurship/E-Commerce focuses on recognizing a business opportunity, starting a business based on the recognized opportunity, and operating and maintaining that business. This course includes planning and strategy concepts, financial and organizational considerations, accounting and financial controls, and other components of business operation. Students will have the opportunity to gain skills in emerging technologies that become the standard for conducting global business (E-Commerce). The course will include workplace skills such as time management, money management, materials management, human resources management, facilities

management, teamwork, decision-making, problem solving, negotiations, work ethics, and creative thinking. This course counts for PTS credit.

### **PTB502 Accounting II**

Accounting II expands the accounting concepts learned in Accounting I. Students will be introduced to partnership and corporate accounting concepts, accounting procedures for manufacturing businesses, cost and managerial concepts, and analysis tools. Notes and depreciation will be studied in greater depth. This is a full year course and counts for PTS credit.

### **PTB503 Business Law**

Business Law provides the student with a survey of the American legal system. This course develops an understanding of law as applied to society and to the individual. Topics include the judicial system, contracts, warranties, guarantees, consumer protection, real property, landlord and tenant relationships, sole proprietorship, partnerships, and corporations.

### **PTI305S Database Software Applications**

Database Software Applications provides students with the opportunity to develop professional level skills in database management. Instruction will be provided in a lab utilizing individualized instruction and electronic learning services. Students successfully completing this course will be **eligible** to take at least one of the user or specialist exams for database certification. This is a yearlong class. Recommended prerequisite: Keyboarding, Computer Applications. It is also recommended that students be in 11<sup>th</sup> or 12<sup>th</sup> grade to enroll in this course. This course can be counted as a computer or PTS class.

### **PTI303 Word Processing Software Application**

Word Processing Software Applications is a semester course that provides students with the opportunity to develop professional level skills in word processing software. Instruction will be provided in a lab utilizing individualized instruction and electronic learning services. Students successfully completing this course will be **eligible** to take at least one of the user or specialist exams for word processing software certification. Students should have some experience using MS Word before enrolling in this course. Recommended prerequisite: Keyboarding, Computer Applications. This course can be counted as a computer or PTS class.

### **PTI304 Presentation Software Application**

Presentations Software Applications is a semester course that provides students with the opportunity to develop professional level skills in presentations software. Instruction will be provided in a lab utilizing individualized instruction and electronic learning services. Students successfully completing this course will be **eligible** to take at least

one of the user or specialist exams for presentation software certification. Students should have some experience using PowerPoint before enrolling in this course. Recommended prerequisite: Keyboarding, Computer Applications. This course can be counted as a computer or PTS class.

### **PTI306 Spreadsheet Software Application**

Spreadsheet Software Applications is a full year course that provides students with the opportunity to develop professional level skills in spreadsheet software. Instruction will be provided in a lab utilizing individualized instruction and electronic learning services. Students successfully completing this course will be **eligible** to take at least one of the user or specialist exams for spreadsheet software certification. Recommended prerequisite: Keyboarding, Computer Applications. It is also recommended that students be in 11<sup>th</sup> or 12<sup>th</sup> grade to enroll in this course. This course can be counted as a computer or PTS class.

### **PTI309 Computer Service/Support**

This yearlong program is intended to prepare students for computer support careers. Students enrolled in this course will learn how to perform shop maintenance, repair computers, install operating systems and software, acquire employment skills, as well as operate a service and support business. The course will provide students with concepts and skills necessary to achieve certification in PC Repair and Technical Support. This distributed learning model of instruction provides a blend of instruction with hands-on experiences that reflect current industry practices. During the course, students will identify and use hand tools, PC hardware and software, and will explore electronics theory. Installation, upgrade and repair will be explored in new and older personal computer systems. A number of operating systems also will be reviewed. Students will train in a simulated work environment using a distributed learning instructional model. This course can be counted as a computer or PTS class.

### **PTI405S Interactive Multimedia**

Interactive Multimedia is designed to acquaint students with a variety of multimedia applications. A variety of technology tools will be used to produce multimedia projects that include graphics, sound, video, programming, and other appropriate technology. The emphasis of this course is the production of individual and/or group projects. Students will work individually and in groups and will become familiar with the various types of technology tools that will be used to produce a project. Interactive Multimedia tools will be used to create products. Students will use electronic learning services to access additional resources. This course can be counted as a computer or PTS class.

### **PTI407S Web Site Development/Management**

In Web Site Development & Management, students will design, implement, and manage a web site. This is a semester hands-on laboratory course designed to teach students the concepts, skills and processes involved in web site development and management. Students will evaluate a variety of existing web sites for content, design,

and functionality. Students will work collaboratively to design, construct, and maintain an interactive web site based on a single theme or project. Students will use electronic learning services to access additional resources. This course can be counted as a computer or PTS class.

### **PTI501 Cisco Networking I**

This yearlong course is available to *sophomores and juniors* who are interested in becoming engineers and are preparing for entrance into a technology career field or for further technology study. The program includes a complete range of basic and advanced networking concepts – from pulling cables through such complex concepts as subnet masking rules and strategies. Successful completion of this course and the Cisco Networking II course should prepare the student to pass the Cisco Certified Network Associate exam. Students must commit to being in the Cisco program for two years. This course can be counted as a computer or PTS class.

### **PTI601 Cisco Networking II**

This second, full-year course prepares *juniors and seniors* to become network engineers, and prepares them for entrance into a technology career field or for further technology study. This course includes field experience in network problem solving. Successful completion of this course (and Cisco Networking 1) should qualify the student to pass the Cisco Certified Network Associate (CCNA) exam. This is the 2<sup>nd</sup> year of a two-year program. The program teaches students to design, build, and maintain small to medium-sized networks. Activities are conducted in a lab setting using computers, servers, and routers that students assemble into functional networks. During the course students will participate in threaded case study discussions. This course can be counted as a computer or PTS class.

### **PTL401 Lodging I**

The Lodging courses will teach management skills required for a career in the hotel and lodging industry.

### **PTL501 Lodging II**

The Lodging courses will continue to help students develop the management skills required for a career in the hotel and lodging industry.

### **PTP305 Java Programming I**

Programming in Java is a one-semester course designed to teach students Java programming concepts using a structured approach. Students will develop Java applications and applets. Problem solving and program documentation will be emphasized. Students will analyze a problem, design a solution, write the program needed to solve the problem, test the program and make the necessary corrections in the program. Activities will include hands-on programming, group and individual assignments and special projects. Students may demonstrate the ability to communicate with

instructor and peers via communications software. Students will use electronic learning services to access additional resources. This course is suggested for juniors and seniors with prior computer knowledge. This class counts as computer credit.

### **PTP306 Java Programming II**

Programming in Java II is a one-semester course designed to expand skills in Java programming concepts using a structured approach. Students will develop Java applications and applets in top down programming design. Problem solving and program documentation will be emphasized. Students should have completed Java I before taking Java II. Skills learned during the first semester of Java will be reviewed and enhanced during the second semester of Java. This course is suggested for juniors and seniors with prior computer knowledge. This class counts as computer credit.

### **PTV301 Video Communications I**

The Video Communications I course is a full year class designed to introduce students to the concepts, equipment, and emerging technologies related to video and audio production. Through a hands-on, project-oriented, and ethical approach, students will apply knowledge of pre-production planning, filming, composition, editing, audio, lighting, and computer graphics/effects to communicate effectively. This course can be counted as a computer or PTS class.

### **PTV401 Video Communications II**

This course expands concepts and skills developed in Video Communications I. Students in this yearlong course will use individual and group project-oriented approaches to refine video and audio production techniques. Students will explore concepts related to, but not limited to, ethics, scriptwriting, involvement in cross-curricular activities, school news and documentary productions, interview techniques, broadcast journalism, multi-camera switching, computer graphics, and digital video processing. Students will investigate emerging technologies driven by industry standards in the video and audio field. This course can be counted as a computer or PTS class.

### **PTV501 Video Communications III**

The Video Communications III course is a yearlong course that will expand on the student's ability to apply concepts and skills learned in the first two courses. Students will continue to refine their video production skills while completing video communication projects at a quality level consistent with post secondary programs or entry level in the career field. Students will construct studio and/or on-site editing situations and assist others with the application of video communication concepts. This course can be counted as a computer or PTS class.

### **PTW501 Career Practicum 1 hr**

The Career Practicum Program provides Seniors with school to career experiences and training through a work practicum related to their career goals. Students are provided an opportunity to acquire an understanding of actual employment settings utilizing/developing/applying: their skills and aptitudes; problem solving skills in the work environment; communication techniques; electronic information systems to search for career information; information resources; learning and self-management tools; and intrapersonal and interpersonal competencies. This is a yearlong class and counts as a PTS credit.

### **PTZ304 Family & Consumer Science**

Family & Consumer Science class is a one-semester introduction to the complex and fascinating world of human relationships, particularly within and between families. Students will explore the roles they will assume as adults and acquire skill necessary to perform those roles. Included will be the importance of food selection, preparation and service, and nutrition. Also included will be units on quality of life, personal relationships, family living, parenthood, infant care, early childhood development, adolescence, courtship, conflict resolution, and personal environment design. This course counts as a PTS credit.

### **PTZ306 Nutrition, Fitness & Wellness**

This one-semester class is designed to develop students' range of nutritional understandings for application to a career in the food, nutrition, and wellness industries, as well as development of quality of life competencies. Students will explore dimensions of sound nutrition, analysis of nutritional content, and develop skills to plan nutritional meals that contribute to fitness and wellness. Students will utilize computer analysis to evaluate their individual diet and how it relates to their personal wellness. An understanding of how food production, distribution, and consumer marketing effect our buying and eating habits will be developed. Course content includes the concepts of workspace management, food preparation basics, food supplements, brain/nutrition interface, dietary planning, consumer purchasing, cultural food influences and exploration of careers in the food, nutrition, and wellness industries. This course counts as a PTS credit.

### **VER301 Army JROTC I**

The Army JROTC I course is designed to present the history, purpose, and objectives of the junior and senior JROTC program; the wearing of the uniform; respect for the flag and National Anthem; and organizational principles.

### **VER401 Army JROTC II**

The Army JROTC II course is designed to present discussion of self-concept; the definition of management: the elements of the leadership process; practical exercise in

the development of leadership skills; the school of the soldier; the role of cadets as leaders; and the value of physical exercise and conditioning.

### **VER501 Army JROTC III**

The Army JROTC III course is designed to present discussion of military leadership and managerial techniques, the aspect of mutual respect (leader/subordinate relationship), the duties of a leader/manager the building of teamwork and team spirit, the flow of communication, the management to operating level and back, the problem-solving process, staff supervision of assigned tasks, and staff functions and procedures.

### **VER601 Army JROTC IV**

The Army JROTC IV course is designed to present the psychology of leadership; review of LD-3 instruction; the moral aspects of leadership; group relations and behavior; indicators of leadership, communications, and management of resources; the problem-solving process; and practical exercises in problem solving and management.

## ELECTIVES

Course Code	Course Title	Length	Grade Level	Preparation
LAJ401	JOURNALISM	Y	10-12	None
LAV301	AVID – 9	Y	9	Interview
LAV401	AVID – 10	Y	10	Interview
LAV501	AVID – 11	Y	11	Interview
LAV601	AVID – 12	Y	12	Interview
MAA305	ALGEBRA I LAB	Y	9-12	Selected
MAG405	GEOMETRY LAB	Y	9-12	Selected
MAA405	MATH LAB III	Y	10-12	Selected
AAY301	YEARBOOK PROD	Y	9-12	Teacher Approval
RED305	READING LAB 9	Y	9	Selected
RED405	READING LAB 10	Y	10	Selected
RED505	READING LAB 11	Y	11	Selected
RED605	READING LAB 12	Y	12	Selected
PPS401	COLLEGE (SAT) PREP	SEM	10-12	None

## ELECTIVE COURSE DESCRIPTIONS

### LAJ401 Journalism

In this full-year course, students will learn the fundamentals of writing for a publication while gaining an understanding of the basics of journalism. The major emphasis of this course is to introduce students to journalistic writing and improve individual writing styles. Students will also explore the different functions of the mass media, define the role of the media in the daily lives of Americans and American society, and explore the career opportunities available in the field of journalism. Students will also contribute to school publications.

### LAV301, 401, 501, and 601 Avid

AVID (Advancement Via Individual Determination) is a full-year well-established program, widely available in the US and in DoDDS. The website is: [www.avidonline.org/](http://www.avidonline.org/) Students are encouraged to stay in the program longer than one year. The goal of AVID is to prepare students to be successful in college. Heavy emphasis is placed on writing and study skills necessary for the rigors of college. The college admissions process, SAT preparation, outside speakers and adult tutors are major components of the program. Key to the program is the student's willingness to commit to the effort required to become an excellent candidate for college. Teacher approval and interview are required. AVID is available for all four grades (9-12) and can be repeated.

### LAS401S Speech

The speech course is designed to prepare students to create speeches that reflect careful thought in planning, organization, and delivery. The content includes, but is not limited to, identifying the purpose and audience for the speech, selecting the general topic and refining to a specific topic, making a statement of the thesis, selecting appropriate resources and information, outlining, creating a bibliography, selecting main points and supporting information, preparing the appropriate visual aids, modifying information for a particular audience, writing introductions and conclusions, using appropriate delivery techniques, evaluating delivery, content, and pattern of organization using specified guidelines, delivering oral or written critiques, and evaluating a speech according to established criteria. This is a one-semester class.

### **MAA305 Algebra I Lab**

This course is designed to aid the student, currently enrolled in Algebra I, who may experience difficulty in grasping and retaining the new concepts that separate algebra from basic arithmetic. It reinforces the concepts being taught in Algebra I as well as strengthens the student's arithmetic foundation/skills. It is a yearlong long course that counts towards an elective credit.

### **MAG405 Geometry Lab**

This course is designed to aid the student, currently enrolled in Geometry, who may experience difficulty in grasping and retaining the geometric concepts and properties that promote student reasoning and problem solving. It reinforces the concepts being taught in Geometry as well as strengthens the students' algebra skills and arithmetic foundation. It is a yearlong course, which counts towards an elective credit.

### **MAA405 Math Lab III**

The Math Lab III will support and reinforce student comprehension in upper level courses such as Algebra II and Discrete Students will have additional opportunities to build on their problem solving experiences to further develop their reasoning skills and develop methods of justification. Students will receive elective credit for the class. This is a yearlong class.

### **PPS401 College Entrance (Sat & Act) Preparation**

This semester class is designed to get students prepared to take the SAT and ACT. The new SAT contains three sections: math, reading comprehension and a completely new writing section. The writing section will include an essay. As many students find writing a good essay a challenge, the major focus of this class will be preparing students in this area. Students will prepare for the other two sections as well. The college admissions process is also covered. Actual college entrance exams and sample items form the core of the program.

## **AAY301 Yearbook Production**

The yearbook production course is a full-year practical course designed to produce the official yearbook for the school. All phases of yearbook production, including photography, copywriting; page layout, book, and advertisement sales are included. The concept of accurate photojournalism is balanced with the need to present the events, activities, and personalities of the school year in a positive manner. Students must interview and be selected for Yearbook Production by the instructor.

## **RED305-605 Reading Lab**

Improve reading achievement for students not reading at grade level through the use of a whole group instructional model with small group rotations. This course is available to students who test below grade level placement and is designed to help students who struggle with reading. The Reading Labs can be taken each year (9-12) and are yearlong.

**Elective credits may also come from areas in which the requirements have been met. For example, if a student takes JROTC I in 9<sup>th</sup> grade, they will receive Careers (or PTS) credit, if they choose to take JROTC in any subsequent years, the credits will finish their PTS requirement and then become elective credits. Another example – if a student takes 4 years of Band (or Choir), the first year counts for their Fine Arts requirement, then the next three years, elective credits are received.**

## DISTANCE LEARNING

Course Code	Course Name	Length	Grade Level	Preparation
BCC3070T	VB Prog I-DL	18	9-12	None
BCC3080T	VB Prog II-DL	18	9-12	VB Prog I
BCC5110T	AP Comp Sci A/T*	Y	11-12	Prog. C++ 1/T
BCC5110T	AP Comp Sci A-DL*	36	11-12	Programming Lang
BCC5120T	AP Comp Sci AB-DL*	36	11-12	Programming Lang
FLF615UT	AP French Lang – DL	36	11-12	French IV
FLG6140T	AP German /T*	Y	11-12	German IV
FLS6150T	AP Spanish Lang-DL*	36	11-12	Spanish IV
MAC6120T	AP Calculus AB/T*	Y	12	Math Analysis
MAC6130T	AP Calculus BC-DL*	36	12	Math Analysis
SCP6120T	AP Physics B/T*	Y	12	Physics
SCP6120T	AP Physics B-DL*	36	11-12	Physics
SCZ3010T	Sci Research/T	SEM	9-12	None
SCZ6020T	Marine Biology-DL	18	10-12	Biology
SSN4010T	Economics /T	SEM	10-12	None
SSN4010T	Economics-DL	18	10-12	None

### DISTANCE LEARNING EDUCATION PROGRAM

The DoDDS Electronic School offers distance-learning courses to students around the globe. Through distance learning, students have an opportunity to take a course that might not be available at their local school. One of the major advantages of distance learning courses is that students are able to interact with other DoDDS students from other countries around the world. Students take the courses by computer using a powerful conferencing program called Lotus Notes.

Advantages of distance learning courses are:

- Students have flexibility in scheduling. (A distance-learning course can usually be taken during any period of the day.)
- Students are not judged by appearance or verbal skills.
- Students gain valuable experience in the use of a global conferencing system.

#### **BCC 3070T Visual BASIC I/Telecommunication**

Programming in Visual BASIC I is a one-semester course that will use the Visual BASIC Language. The emphasis of this course is to write computer programs to solve complex problems

#### **BCC3080T Visual BASIC II/Telecommunications**

Programming in Visual BASIC II is a one-semester course designed to be a continuation of Visual BASIC I. The emphasis of this course is to write computer programs to solve complex problems.

### **BCC5110T AP Computer Science A/Telecommunications\***

This course is designed to prepare students to take the AP Computer Science A exam. Students should take Pascal 1 or Basic 1 as a preparation for this course. The pace in the AP class is very fast in order to cover all of the material needed for the exam.

### **FLG6140T, FLS6150T and FLF615UT AP Foreign Languages/Telecommunications**

An AP foreign language course is a college level course, conducted in a foreign language, which prepares students to communicate proficiently through three modes: interpretive (receptive communication), presentational (1-way productive communication), and interpersonal (2-way interactive communication). This course emphasizes the five domains of learning found in DoDEA Foreign Language Standards: Communication, Cultures, Connections, Comparisons, and Communities. This course is interactive in nature with the expectation that students be actively involved in all assignments and projects. The academic rigor for this course is high. Assessment of all domains of learning will be conducted. Students completing this course and taking the AP exam will receive weighted grades. Students are expected to take the AP exam at the end of this course. This course is designed to prepare students to take the AP language exam.

### **MAC6120T AP Calculus AB/Telecommunications\***

This course is designed to prepare students to take the AP Calculus AB exam.

### **MAZ 6110T AP Statistics/Telecommunications\***

The concepts and content for AP Statistics incorporate the syllabus of the College Board. The topics for AP Statistics are divided into four major themes: exploratory analysis, planning a study, probability, and statistical inference. Exploratory analysis of data makes use of graphical and numerical techniques to study patterns and departures from patterns. Data must be collected according to a well-developed plan if valid information on a conjecture is to be obtained. Statistical inference guides the selection of appropriate models.

### **SCP6120T AP Physics B/Telecommunications\***

This course is designed to prepare students to take the AP Physics B exam.

### **SCZ3010T Science Research/Telecommunications**

This course is designed to teach scientific research method as used in the areas of science and social studies through exposure to articles dealing with scientific studies and

the writing of proposals for future studies. Students will conduct literary searches including the use of electronic databases or the Internet. If the course is repeated, the students will design and conduct their own lab of field-centered research into areas of interest as a group and as individuals and write a paper. Scientists are available on-line as mentors.

### **SCZ6020T Marine Biology/Telecommunications**

Marine Biology is designed to be an elective, introductory course to the identification and classification of organisms most common to the region in which the course is offered. Information is presented in an integrated approach with science as inquiry, science & technology, science & social perspectives, and the history & nature of science. The course integrates unifying science concepts and processes of systems, order & organization, evidence, models & explanation, change, consistency & equilibrium, and form & function.

Scientific inquiry and understanding about inquiry are emphasized through practical implications and meaningful applications. Topics students study include ecological concepts of the sandy beach, rocky shore and benthic communities, seaweeds, planktonic forms, plankton and their relationship to marine life cycles, nekton, benthos, marine bacteriology, marine biological resources, and marine pollution. Additional special topics may be selected for study.

### **SSN4010T Economics/Telecommunications**

This is an elective course designed to acquaint students with the major concepts in the study of money. Students study how scarce resources are located among competing demands. The production, distribution and accumulation of wealth are discussed and analyzed. Supply and demand, business organization, money, banking, the role of the federal government, and comparisons among economic systems are major topics of study.

**For more information about Distance Learning courses, please see your Counselor or the Distance Learning Coordinator at the school. All Distance Education courses require students to be independent workers with prior knowledge in the subject(s) they wish to pursue.**

**\*ADVANCED PLACEMENT COURSES carry “weighted” grades. In calculation of grade point average, they receive one extra point. The AP exams (given in May) MUST be taken in order to receive the weighted grade. Please meet with your Counselor before selecting Advanced Placement courses.**