

Kadena High School
Course Description Guide
2008-2009
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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.....	38
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GRADUATION REQUIREMENTS CLASS OF 2008 AND AFTER

<u>Courses</u>	<u>Credits</u>
ENGLISH LANGUAGE ARTS 9, 10, 11, and 12 (Two years of ESL may be substituted for 2 years of English Language Arts)	4
SOCIAL STUDIES (1 credit of US History, 1 credit in either World Regions or World History and ½ credit in US Government is required)	3
MATHEMATICS (Algebra I and Geometry are required).	3
SCIENCE (Biology and Chemistry <u>or</u> Physics are required.)	3
HEALTH EDUCATION	½
PHYSICAL EDUCATION	1 ½
FINE ARTS (Courses used to meet this credit must relate to visual arts, music, theater, drama, dance, and/or humanities).	1
FOREIGN LANGUAGE (A total of 2 credits in the same foreign language required.	2
PROFESSIONAL TECHNICAL STUDIES (½ credit must be in a computer course).	2
ELECTIVE COURSES (Once you have taken your required PTS, Fine Arts, etc. any courses that you take in these areas will become Elective credits)	6
TOTAL	26

KADENA HIGH SCHOOL 4-YEAR EDUCATIONAL PLAN
CLASS OF 2008 AND AFTER

Student's Name _____

GRADE 9		GRADE 10		GRADE 11		GRADE 12	
1st Semester	2nd Semester						

H.S. courses taken in Grades 7-8:

GRADUATION REQUIREMENTS:

Each box equals 1/2 credit:

26 Credits are required and
 2.0 GPA is **REQUIRED** for graduation

Mathematics
(3 Units)

Health Education
(1/2 Unit)

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Physical Education
(1 1/2 Units)

Professional Technical Studies
(2 Units)

English
(4 Units)

English 9		
English 10		
English 11		
English 12		

Social Studies
(3 Units)

W.R or W.H			
U.S. History			
U.S. Govt.			

Science
(3 Units)

Fine Arts
(1 Unit)

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Foreign Lang.
(2 Units)

Electives
(6 Units)

COLLEGE BOUND RECOMMENDATIONS:

- English 4 Years
- Social Studies 3-4 Years
- Science 3-4 Years (Including Chemistry or Physics)
- Math 3-4 Years (through Algebra II)
- Foreign Language 2-3 Years of the same language

CAREER/VOCATIONAL RECOMMENDATIONS:

- All advanced classes possible (i.e. Business, Computers, etc.)
- Career Practicum for on-the-job exposure in an area of personal interest (Sr. year)
- Math and Science as far as you can go

Kadena High School PTS Clusters and Pathways

Cluster	Pathway	Required Classes	Recommended Courses
Arts, A/V Tech & Communications	Audio & Video Tech & Film	Video Comm I Video Comm II	Video Comm III Career Practicum
Arts, A/V Tech & Communications	Journalism & Broadcasting	Journalism Video Comm I	Video II Video III Word Process Software App (.5) Career Practicum
Business, Mgmt and Administration	Administration and Information Support	Word Proc Sw Apps (.5) Presentation Sw Apps (.5) Spreadsheet Sw Apps (.5)	Spreadsheet Sw Apps (.5) Management Int'l Business Accounting I Database Sw Apps Imaging Sw Apps Website Development (.5) Career Practicum
Business, Mgmt and Administration	Business Financial Mgmt and Accounting	Accounting I Accounting II	Management Int'l Business Word Processing Sw Apps (.5) Presentation Sw Apps (.5) Spreadsheet Sw Apps Business Law Database Sw Apps Career Practicum
Business, Mgmt and Administration	Management	Mgmt Int'l Business Mktg & Entrepreneurship (.5)	Accounting I Spreadsheet Sw Apps Database Sw Apps Business Law Career Practicum
Gov't & Public Administration	National Security	Air Force JROTC I Air Force JROTC II	JROTC III JROTC IV Psychology (.5) Street Law (.5) Career Practicum
Hospitality and Tourism	Restaurant and Food and Beverage Services	Culinary Arts I (2) Culinary Arts II (2)	(None required)
Information Technology	Information Support & Services	Computer Service Support Java I or Visual Basics I (.5)	Java II or Visual Basics II (.5) Word Process Software App (.5) Presentation Software App (.5) Spreadsheet Software App Database Sw Apps Cisco I Website Development (.5) Career Practicum

Information Technology	Programming & Software Engineering	Java I & II Visual Basic I & II	Website Development (.5) Algebra II Career Practicum
Information Technology	Network Systems	Cisco I Cisco II	Computer Service and Support Java I Java II Visual Basic I Visual Basic II Algebra II Career Practicum
Manufacturing	Manufacturing Production Process Development	Engineering Design & Technology I	Engineering Drawing/CAD Computer Animation Math Analysis Physics Career Practicum
Science, Technology, Engineering & Mathematics	Engineering & Technology	Engineering Drawing/CAD	Engineering Design & Technology I (.5 – 1) Cisco I & II (.5 – 2) Java I & II or Visual Basic I & II Computer Animation Math Analysis Physics Career Practicum

KADENA HIGH SCHOOL COURSE OFFERINGS SCHOOL YEAR *2008-2009*

THE FOLLOWING IS A LISTING OF HIGH SCHOOL COURSES (GRADES 9-12) BY DEPARTMENT WITH INDICATION OF COURSE LENGTH AND PREREQUISITES.

LANGUAGE ARTS (ENGLISH)

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 HIST10	Y	10	English 9*
LAE501	LANGUAGE ARTS11	Y	11	English 10
LAC614	AP ENGLISH LANG+	Y	11-12	English 10*
LAE601	LANGUAGE ARTS 12	Y	12	English 11
LAL613	AP ENGLISH LIT+	Y	12	English 11*
LAA301	ESL-BEGIN COMMUN	SEM/Y	9	In ESL Program
LAA401	ESL-DEVELOP COMM	SEM/Y	10	In ESL Program
LAA501	ESL-EXPAND COMM	SEM/Y	11	In ESL Program
LAA601	ESL-BRIDGING COMM	SEM/Y	12	In ESL Program
LAA302	ENTRANCE INTO ENG.	Y	9-12	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 9th 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 10th 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.

***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.**

The following 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. Two years of ESL can be substituted for regular English Language Arts to meet the Graduation Requirements.

LAA301 ESL – BEGINNING COMMUNICATION

The English as a Second Language Beginning Communication course is designed to develop and increase English language proficiency and academic skills for students whose primary language is not English and who are at a level 1 English proficiency. This course actively involves students in developing the skills of understanding, listening, speaking, viewing, reading, and writing to support the student's mastery of DoDEA's general education content standards. Emphasis is placed on the acquisition of Basic Interpersonal Communication Skills (BICS) related to meeting everyday needs and participating in the American school culture, and on the cognitive academic language needed for success in the general education classroom.

LAA401 ESL – DEVELOPING COMMUNICATION

The English as a Second Language Developing Communication course is designed to increase English language proficiency and to enhance academic skills for students whose primary language is not English and who are at a level 2 English proficiency. All areas of communication skills, i.e. listening, speaking, viewing, reading and writing, are strengthened through the integrated learning of language and academic content.

LAA501 ESL – EXPANDING COMMUNICATION

The English as a Second Language Expanding Communication course is designed to increase English language proficiency and to enhance academic skills for students whose primary language is not English and who are at a level 3 English proficiency. All areas of communication skills, i.e. listening, speaking, viewing, reading and writing, are strengthened through the integrated learning of language and academic content.

LAA601 ESL – BRIDGING COMMUNICATION

The English as a Second Language Bridging Communication course is designed for the advanced English language learner who is at a level 4 English language proficiency. This course focuses on expanding the student’s range of vocabulary, refining grammatical structures, sharpening writing skills, and developing critical reading and thinking skills. All areas of communication skills are strengthened through the integrated learning of language and academic content.

LAA302 ENTRANCE INTO ENGLISH

The Entrance into English course is designed to prepare students for the different activities that they are expected to perform in English classes (classroom survival skills), to identify the basic terms that students should know prior to entering the mainstreamed English class, to identify in a check list the specific experiences and developed skills that ESL students should have prior to entering the mainstreamed English class, and to provide the receiving English teachers with a clear profile of the developed skills and experiences of ESL students who are entering the English class.

MATHEMATICS

COURSE CODE	COURSE TITLE	LENGTH	GRADE LEVEL	PREPARATION
MAA301	ALGEBRA I	Y	9-12	None
MAA301A	ALGEBRA I A	SEM	9-12	Algebra I – 1 st Sem
MAA301B	ALGEBRA I B	SEM	9-12	Algebra I – 2 nd Sem

MAG401	GEOMETRY	Y	9-12	Algebra I
MAG401A	GEOMETRY A	SEM	9-12	Geometry – 1 st Sem
MAG401B	GEOMETRY B	SEM	9-12	Geometry – 2 nd Sem
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	Algebra II

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.

MAA301A **ALGEBRA I A**

This course will be taught in the spring semester for students who fail the 1st semester of Algebra I. It is a repeat of Algebra I, 1st semester.

MAA301B **ALGEBRA I B**

This course will be taught in the fall for students who failed the spring semester of Algebra I. It is a repeat of Algebra I, 2nd semester.

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.

MAG401A **GEOMETRY A**

This course will be taught in the spring semester for students who fail the fall (1st) semester of Geometry. It is a repeat of Geometry, 1st semester.

MAG401B **GEOMETRY B**

This course will be taught in the fall for students who failed the spring (2nd) semester of Geometry. It is a repeat of Geometry, 2nd semester.

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.

***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.**

SCIENCE

COURSE CODE	COURSE TITLE	LENGTH	GRADE LEVEL	PREPARATION
SCZ302	EARTH SPACE SCI	Y	9-12	None

SCZ401	ENVIRONMENT SCI	Y	9-12	None
SCB401	BIOLOGY	Y	9-12	None
SCC502	CHEM APPS COMM	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
SCZ602	MARINE BIOLOGY	Y	10-12	None
SCX401	HUMAN ANAT & PHYS	Y	10-12	Biology
SCZ611	AP ENVIR. SCIENCE+	Y	11-12	Algebra I
SCP612	AP PHYSICS B+	Y	11-12	Physics
SCB612	AP BIOLOGY+	Y	11-12	Biology
SCC612	AP CHEMISTRY+	Y	11-12	Chemistry

SCIENCE COURSE DESCRIPTIONS

SCZ302 EARTH AND SPACE SCIENCE

Earth and Space Science is designed to help students understand the world around them and increase their ability to evaluate that world. 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 includes geology, astronomy, meteorology, oceanography, and ecology.

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.

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.

SCC502 CHEMISTRY APPLICATIONS IN THE COMMUNITY

Chemistry Applications in the Community is an entry level course designed to help students understand the chemistry behind some important societal issues. 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. Students study basic concepts of chemistry, while integrating physical concepts with societal issues.

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.)

SCP302 PHYSICS APPLICATIONS IN THE COMMUNITY

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.

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 which is minimally at the Algebra II level of competency.

SCZ602 MARINE BIOLOGY

Marine Biology is designed to be an elective, introductory course to the identification and classification of organisms most common to the oceans around Okinawa. 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.

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.

SCZ611 ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE+

The AP Environmental Science course is designed to be the equivalent of an introductory college course in environmental science. Environmental science is an interdisciplinary course that embraces a wide variety of topics from several areas of study. There are several unifying themes that exemplify and provide the foundation for Environmental Science. These themes include science as a process, energy conversions underlie all ecological processes, the Earth itself is one interconnected system, humans alter natural systems, environmental problems have cultural and social context and human survival depends upon developing practices that will achieve attainable systems.

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. Proficiency in Algebra II and basic Trigonometry is required as well as a dedicated work ethic that will allow the successful completion of a college level Physics course. 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 follow 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.

ALL SCIENCE CLASSES ARE FULL YEAR IN LENGTH.

***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.

SOCIAL STUDIES

COURSE CODE	COURSE TITLE	LENGTH	GRADE LEVEL	PREPARATION
SSC301	WORLD REGIONS	Y	9-12	None
SSW371	HONORS WRLD HIST-LIT 9	Y	9Hon. Eng. 9*	
SSW401	WORLD HISTORY	Y	9-12	None
SSW471	HONORS WRLD HIST-LIT10	Y	10	Hon. Eng.10*
SSU501	U.S. HISTORY	Y	11-12	None
SSU611	AP U.S. HISTORY+	Y	11-12	None
SSP501	PSYCHOLOGY	SEM	11-12	None
SSZ303	STREET LAW	SEM	11-12	None
SSN401	ECONOMICS	SEM	10-12	None
SSZ403	MODEL UN	SEM	10-12	None
SSG601	U.S. GOVERNMENT	SEM	12	None
SSG612	AP GOVT & POL+	Y	12	None

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

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

SOCIAL STUDIES COURSE DESCRIPTIONS

SSC301 WORLD REGIONS/CULTURES

This full-year course focuses on the study of major world cultures. Emphasis is on the political, economic, social and religious customs of these cultures and their geographic context. This course will give students a good foundation for World History.

SSW371 HONORS WORLD HISTORY – LITERATURE 9

This is an integrated course for students interested in taking 9th 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 geography, 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 – LITERATURE 10

This is an integrated course for students interested in taking 10th 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 Kadena High School by including special lessons that compare American and Japanese law as well as instruction in the basics of the Code of Military Justice.

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.

SSZ403 MODEL UNITED NATIONS

This semester class will teach students about the major operations and functions of the United Nations. The major political, economic, and cultural problems facing the world will be studied. The Internet will be used extensively to do research and provide information for students to act out numerous classroom simulations of various United Nations bodies.

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.

***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.**

PHYSICAL EDUCATION & HEALTH

COURSE CODE	COURSE NAME	LENGTH	GRADE LEVEL	PREPARATION
PEF301	PE -PERSONAL FITNESS	SEM	9-12	None
PEL301	PE - LIFETIME SPORTS	SEM	9-12	None
PEN301	PE-ACTIVITY NUTRITION	SEM	9-12	PEF301& PEL301
HLH301	HEALTH ED	SEM	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. Students have to complete Personal Fitness and Lifetime sports before taking this class. This course teaches students how to create a personal fitness program that will meet their own needs. Students will be introduced to heart rate monitors and other physical activities. Students will identify ways to balance nutritional needs with physical activity energy expenditure.

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.

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
FLJ301	JAPANESE I	Y	9-12	None
FLJ401	JAPANESE II	Y	9-12	Japanese I
FLJ501	JAPANESE III	Y	9-12	Japanese II
FLJ601	JAPANESE IV	Y	10-12	Japanese III
FLJ614	AP JAPANESE+	Y	11-12	Japanese IV
FLS301	SPANISH I	Y	9-12	None
FLS401	SPANISH II	Y	9-12	Spanish I
FLS501	SPANISH III	Y	9-12	Spanish II
FLS601	SPANISH IV	Y	10-12	Spanish III
FLS615	AP SPANISH LANG+Y		11-12	Spanish III
FLC301	CHINESE I	Y	9-12	None
FLC401	CHINESE II	Y	9-12	Chinese I
FLC501	CHINESE III	Y	9-12	Chinese II

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.

FLS615 ADVANCED PLACEMENT SPANISH LANGUAGE+

An AP Spanish Language course is comparable to an advanced level (5th- and 6th-semester or the equivalent) college Spanish language course. Emphasizing the use of Spanish for active communication, it encompasses aural/oral skills, reading comprehension, grammar, and composition. The course objectives are to help you do the following: comprehend formal and informal spoken Spanish; acquire vocabulary and a grasp of structure to allow the easy, accurate reading of newspaper and magazine articles, as well as of modern literature in Spanish; compose expository passages; and to express ideas orally with accuracy and fluency. The course seeks to develop language skills that are useful in themselves and that can be applied to various activities and disciplines, rather than to the mastery of any specific-subject matter. Finally, you should receive extensive training in the organization and writing of compositions as an integral part of this AP course.

FLJ614 ADVANCED PLACEMENT JAPANESE LANGUAGE+

An AP Japanese Language course is equivalent to a 3rd year college Japanese language course. Emphasizing the use of Japanese for active communication, it encompasses aural/oral skills, reading comprehension, grammar, and composition. Course objectives are to comprehend formal and informal spoken Japanese, acquire vocabulary and a grasp of structure to allow the student to get the gist when reading newspaper and magazine articles, as well as of modern literature in Japanese by mastering the first 300 characters and reading 500, compose expository passages, and express ideas orally with accuracy and fluency. The course seeks to develop language skills that are useful in themselves and that can be applied to various activities and disciplines, rather than to the mastery of any specific-subject

matter. Finally, students should receive extensive training in the organization and writing of compositions as an integral part of this AP course.

Please meet with your Counselor before selecting Advanced Placement courses.

FINE ARTS

COURSE CODE	COURSE TITLE	LENGTH	GRADE LEVEL	RECOMMENDATION
ARA301	FUNDAMENTALS OF ART	Y	9-12	None
ARH401S	PHOTOGRAPHY	SEM	9-12	None
ARW401S	DRAWING	SEM/Y	9-12	Fund. of Art
ARC401S	SCULPTURE	SEM	9-12	Fund. of Art
ARS401	STUDIO ART	Y	9-12	Fund. of Art
ARP401S	PAINTING	SEM/Y	9-12	Fund. of Art
ARA613	AP STUDIO ART+	Y	12	Fund. of Art
ARE401S	CERAMICS	SEM	9-12	Fund. of Art **
HUH401S	HUMANITIES	SEM	9-12	None
ARV301	VIDEO ARTS	Y	9-12	Video Comm***
MUI302	INTERMEDIATE BAND	Y	9-12	Audition
MUI303	ADVANCED BAND	Y	9-12	Audition
MUI304	JAZZ ENSEMBLE	Y	9-12	Audition
MUV301	BEGINNING CHORUS	Y	9-12	None
MUV302	ADVANCED CHORUS	Y	9-12	Audition
MUV303	SHOW CHOIR	Y	9-12	Audition
MUS303S	PIANO I	SEM	9-12	None
MUS304S	PIANO II	SEM	9-12	Piano I
MUS301S	GUITAR I	SEM	9-12	None
MUS302S	GUITAR II	SEM	9-12	Guitar I ***
MUC301	COMPUTER MUSIC	SEM	9-12	Music background
DRA301S	DRAMA-THEATER	SEM	9-12	None
MUT611	AP MUSIC THEORY+	Y	11-12	Computer Music

**With permission from the instructor, may be repeated for credit.

*** Permission from Instructor/Audition needed

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.

ARC401S SCULPTURE

This one-semester course is designed to offer students the opportunity to create three-dimensional works of art. Students will learn to create sculpture through the methods of additive, subtractive, modeling, molding and fusing using a variety of mediums. Fundamentals of Art is recommended before taking this course.

ARS401S STUDIO ART

The Studio Art course is a yearlong course designed either as units of study in various media or as an individualized course for advanced students. Students who would like to develop skills in several media would benefit from this course. They can concentrate on selected activities from the following options: drawing, watercolor, acrylic or oil paintings, sculpture, ceramics, commercial art, creative crafts, lettering, printmaking, and mixed media. All students must have successfully completed Fundamentals of Art before taking Studio Art.

APR401S PAINTING

The painting course is designed for students who want to develop skills in one or more painting media. The media may be oils, acrylic, watercolor, or tempera. Students will receive instruction in the techniques and history of various painting styles. Projects and exercises will help students develop the skills and understanding necessary for personal expression. Emphasis will be placed on color theory, painting techniques, and other skills appropriate to the medium. This course may be taken one or two semesters.

ARA613 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).

ARE401S CERAMICS

The ceramics course is a one-semester class, designed to provide a studio-oriented experience dealing with the study of clay. Students explore the properties of clay by making utilitarian and sculptural forms with an emphasis on form, design, and craftsmanship. The course includes instruction in clay applications, in kiln management, and in the historical role of ceramics in our culture. Teacher recommendation required for students who wish to continue in Ceramics beyond the one-semester course. Fundamentals of Art is recommended before taking this course.

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.

ARV301 VIDEO ARTS

The Video Arts course is a yearlong course that develops the student's broadcasting skills. The students enrolled in this course will produce a daily news show which airs throughout the school. Students will explore concepts related to, but not limited to, ethics, scriptwriting, school news and documentary productions, interview techniques, broadcast journalism, soft news pieces, multi-camera switching, computer graphics, and digital video processing. The skills developed in this class will prepare students for on-air work as well as the technical side of broadcast journalism. Teacher permission must be granted before students can take this class – will be offered A1 and B5 only.

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 (1st and 2nd 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 (2nd-3rd 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.

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.

MUS303S PIANO I

In this one-semester class, the goal for students in piano keyboarding is to acquire basic piano playing skills and fundamental general music knowledge that will enable them to continue learning beyond the class. Students will learn keyboard layout, hand positions, and fingering techniques on the piano. They will receive basic music theory instructions

including notation, chord structure and scales. This class is for students who have never played the piano before.

MUS304S PIANO II

This one-semester course is designed to further develop students' music and keyboard skills. The content includes, but is not limited to, refining listening skills, and reading notation in bass and treble clefs; playing more complex rhythm concepts and patterns, playing in varied examples of duple and triple meter, and playing technically advanced melodies to enhance left- and right-hand independence. Students with no experience should start with Piano I before they attempt Piano II.

MUS301S 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. This is a one-semester course.

MUS302S 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. This class is a one-semester course. Students will need to audition and receive teacher permission to take this class if they haven't taken Guitar I during the 1st semester.

MUC301 COMPUTER MUSIC

This one-semester class is designed to introduce students to basic synthesizer techniques, musical instrument digital interface (MIDI) concepts, recording techniques, programmable rhythm mailing techniques, music composition, and software applications. Instructional activities will include, but will not be limited to, the following activities: multi-track digital recording, composition and MIDI programming, and "Standards-Based" instruction using music theory and history software. Students must have some background in music, which includes knowing how to read music prior to enrolling in this course.

DRA301S DRAMA-THEATER

This one-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.

MUT611 ADVANCED PLACEMENT MUSIC THEORY+

The ultimate goal of an AP Music Theory course is to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. The achievement of this goal may be best promoted by integrated approaches to the student's development of: aural skills, listening skills, sight-singing skills, performance exercises, written skills, written exercises, composition skills, and analytical skills. This is a yearlong class.

***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.**

PROFESSIONAL TECHNICAL STUDIES

COURSE CODE	COURSE TITLE	LENGTH	GRADE LEVEL	RECOMMENDATION
PTB301	BUS & PER. FINANCES	Y	9-12	None
PTB402	ACCOUNTING I	Y	9-12	None
PTB502	ACCOUNTING II	Y	11-12	Accounting I
PTB401	MGMT. & INTER. BUS.	Y	9-12	None
PTB501S	MKTG & ENTREPREN.	SEM	11-12	None
PTB503	BUSINESS LAW	Y	11-12	None
PTI307	IMAGING SFWR APP	Y	9-12	Keyb., Comp Apps.
PTI301	COMPUTER APPS I	SEM	9-12	25 wpm keyboarding
PTI305	DATABASE SFWR	Y	11-12	Keyb., Comp Apps.
PTI306	SPREADSHEET SFWR	Y	11-12	Keyb., Comp Apps
PTI303	WORD PROCESS SFWR	SEM	9-12	Keyb., Comp Apps.
PTI304	PRESENTATION SFWR	SEM	9-12	Keyb., Comp Apps.
PTI407S	WEB SITE DEV-MGT	SEM	9-12	Keyboarding
PTP305	JAVA I	SEM	9-12	None
PTP306	JAVA II	SEM	9-12	Java I
PTP307	VISUAL BASIC PROG I	SEM	9-12	None
PTP308	VISUAL BASIC PROG. II	SEM	9-12	Visual Basic I
PTT302S	AUTO TECH – 1 HR.	SEM	9-12	None
PTE501	ENG. DESIGN & TECH. I	Y	9-12	None
PTE601	ENG. DESIGN & TECH. II	Y	9-12	Eng. Des & Tech I
PTI405	INTERACTIVE MULTIMED.	Y	9-12	None
PTI409	COMPUTER ANIMATION	Y	9-12	None (New course)
PTE303	ENGINEER DRAW-CAD	Y	9-12	None (New course)
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
ARV301	VIDEO ARTS	Y	9-12	Teacher Permission
PTI309	COMPUTER SRV/SUPP	Y	10-12	None
PTI501	CISCO NETWORKING I	Y	10-11	Comp. background
PTI601	CISCO NETWORKING II	Y	11-12	Cisco Networking I
PTW301	CAREER DECISIONS	SEM	9-12	None
PTW501,2,3	CAREER PRACTICUM	SEM/Y	12	None
PTZ304	FAMILY CONSUMER SCI	SEM	9-12	None
PTZ306	NUTRITION, FIT & WELL	SEM	9-12	None
PTF401	CULINARY ARTS I	Y	10-12	None

PTF402	CULINARY ARTS II	Y	10-12	Culinary Arts I
PTF403	CULINARY ARTS III	Y	11-12	Culinary Arts II
VEF301	AIR FORCE JROTC I	Y	9-12	None
VEF401	AIR FORCE JROTC II	Y	9-12	JROTC I
VEF601	AIR FORCE JROTC IV	Y	10-12	JROTC I, & apprvl
VES402	SUMMER LEADERSHIP	SEM	9-12	Approval - Summer

PROFESSIONAL TECHNICAL STUDIES COURSE DESCRIPTIONS

PTB301S BUSINESS & PERSONAL FINANCES

This full year course is designed to make students aware of the financial challenges confronting them in daily living and in the workplace. Included will be such topics as how to make intelligent decisions in spending and saving; how to maintain good financial records and manage payroll; how to use the accounting cycle; how to use credit and card cards wisely; how to obtain information from banking services, insurance choices, investment choices and how to prepare income tax forms. 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.

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.

PTB401 MANAGEMENT INTERNATIONAL BUSINESS

This full year course 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. Students will also be introduced 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. Units of instructions include economics, finance, marketing, human resources, global competitiveness, workplace skills such as time management, money

management, human resources management, listening skills, speaking skills, and accessing/ evaluating electronic resources.

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 is a one-semester class. This course counts for PTS credit.

PTB503 BUSINESS LAW

Business Law is a full year class that 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. This course counts as a PTS credit.

PTI307 IMAGING SOFTWARE APPLICATIONS

Imaging Software Applications provides students with the opportunity to develop professional level skills in imaging software. This is a full year class. 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 (**Adobe PhotoShop**) for imaging software certification. This course can be counted as a computer or PTS class.

PTI301 COMPUTER APPLICATIONS I

Computer Applications is designed to provide the student with the opportunity to expand technology knowledge and apply various technology applications. This course will equip the student with the necessary technology tools for personal use, employment and advanced education. Recommended prerequisite: Keyboarding. Students enrolled in this course should be able to demonstrate a minimum keyboarding skill of 25 wpm. This is a one-semester course. This course counts as a computer class for PTS credit.

PTI305 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 full year class. Recommended prerequisite: Keyboarding, Computer Applications. It is also recommended that students be in 11th or 12th grade to enroll in this course. 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 11th or 12th 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 one-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 one-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.

PTI407S WEB SITE DEVELOPMENT/MANAGEMENT

In Web Site Development & Management, students will design, implement, and manage a web site. This is a one-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.

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 problem 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.

PTP307 VISUAL BASIC PROGRAMMING I

Programming in Visual Basic I is a one-semester course designed to teach students programming concepts using Visual Basic. 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 problem 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 can be counted as a computer or PTS class.

PTP308 VISUAL BASIC PROGRAMMING II

Programming in Visual BASIC II is a one-semester course designed to be a continuation of Visual BASIC I. 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 can be counted as a computer or PTS class.

PTT302S AUTO TECH – 1 HR.

The automotive mechanics course is designed to provide students with entry-level job skills for occupations in the automotive service trade. The emphasis is on the service and repair of the following types of systems: transmission; ignition; fuel; cylinder block; cylinder head; brake; suspension, and electrical. Instructional activities used in an automotive laboratory setting will provide hands-on experiences with automotive tools, equipment, and materials related to the course content. Students will: complete automotive servicing and repair activities; investigate content-related occupations; make visits to information centers and automotive-related industries; present ideas and information orally and in writing; and assume leadership roles within the framework of the classroom setting. Emphasis will be placed on self-concepts, values, decision-making skills, employer expectations, and work skills. This is a one-semester class and counts as a PTS credit.

PTE501 ENGINEERING DESIGN AND TECH. I

The engineering design and tech. course introduces students to the technology and design of robotic systems, electrical theory and application, Computer Aided Drawing (CAD), Computer and Numerically Controlled (CNC) programming of mills and lathes, the application of physical principals (to include simple machines and pneumatics), and Quality control. This course also introduces students to the technology systems, tools, materials, and processes of industry through instruction and activities. This course may be used by as an Applied Engineering Technology major as part of the School-to-Work transition program. Safety is taught for each cell before it is used and is practiced during the use of each cell. This course includes six cells, all of which are utilized in this full year class and counts as a PTS credit.

PTE601 ENGINEERING DESIGN AND TECH. II

The engineering design and tech. course continues with skills learned in Engineering Design and Tech. I in the design of robotic systems, electrical theory and application, Computer Aided Drawing (CAD), Computer Numerically Controlled (CNC) programming of mills and lathes, the application of physical principals and quality control. This class counts and a PTS credit and is full year.

PTI405 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 and is a full year course.

PTI409 COMPUTER ANIMATION

The Computer Animation course is designed to provide students with the instruction and skills to create digital illustrations, modeling and animation, character animation, digital motion imagery, and game design. The content includes, but is not limited to, 3D modeling, materials and textures, rendering, and computer animation. Students will also create, record, and edit digital audio, video, and photographic imagery. This course will utilize software programs to develop animation, morphing, 3-D graphics, and virtual reality projects. It is recommended that aspiring graphic designers, computer animators, electronic game designers, engineers, CAD technicians, architects, interior decorators take this course. This course may be used as an Applied Engineering Technology major as part of the School-to-Work transition guidelines. This course can be counted as a computer or PTS class and is full year.

PTE303 ENGINEER DRAW-CAD

Engineering drawing is a Computer Aided Drawing and Design (CAD) course designed to provide beginning students with instruction in computer graphic skills and design fundamentals. Students will learn the use of a CAD system for two-dimensional drawing and three-dimensional modeling. Through the use of the Internet, students will explore the wide range of CAD technologies and applications. This course is strongly recommended for students aspiring to become engineers, architects, or engineer technicians. This course is part of the School-to-Work transition guidelines. This course can be counted as a computer or PTS class and is full year.

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 full year 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 full year 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.

VEE309 COMPUTER SERVICE/SUPPORT

This full year 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.

PTI5021 CISCO NETWORKING I

This full year 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 2nd 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.

PTW301 CAREER DECISION MAKING

Career Decision Making is designed to provide students with in-depth research of the world of work through self/career awareness, occupational exploration, career interests, work activities, work situation and environment, attitudes toward work, and career planning. Using the information obtained in this course, students are able to understand and to focus on career planning and work relationships. Topics to be studied include: self and career assessments, career exploration, job application activities and techniques, college and technical preparation opportunities, personal qualities in a work environment, and electronic information sources. This is a one-semester course and counts as a PTS credit.

PTW501S, PTW502S and PTW503S **CAREER PRACTICUM 1 hr, 2 hr and 3 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 semester or yearlong class and can be taken for multiple periods 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.

PTF401 CULINARY ARTS I

If you are considering a career as a professional chef, restaurant owner or manager, or in some other aspect of the food service industry, Culinary Arts I is the first step in your career. You will be learning professional level skills relating to food preparation and service, food science and management. This will involve classroom and lab experiences as well as travel to various professional kitchens throughout the year. Topics of study will include an introduction to food science, foodservice equipment, breakfast foods & sandwiches, salads and garnishes, fruits and vegetables, and controlling foodservice costs. You will be a part of the Panther Pantry Catering business. You will begin an internship program with a local professional chef midway through the year, which will continue through your second year. This course is for the serious student. It is a full year class and is part of a two-year program. This course counts as a PTS credit.

PTF402 CULINARY ARTS II

The student who desires to be certified as a Pro-Start Culinary Arts graduate will need to take the second year of the program. Culinary Arts II continues your professional line of study to include the history of food service, the art of service, preparation and service of meats, desserts & and baked goods, marketing and building a menu, purchasing and inventory control and customer relations. You will hone your skills as you assume managerial level responsibility for the Panther Pantry Catering business, and you will continue building skills with your internship and seek out chefs of your choosing to work with and learn from. This class, like the first, is full year. Successful completion of all course requirements for both CA I and CA II will result in certification with the National Restaurant Association Pro-Start Program. This course counts as a PTS credit.

Prerequisite: Culinary Arts I

PTF403 CULINARY ARTS III

Students in Culinary Arts III have completed Culinary Arts I and II and will complete their ProStart Internship during this full year (two-semester) of study. You will meet periodically with the classroom teacher, but will primarily be out in the field, working in foodservice operations with professional chefs and cooks. You will plan a course of

study to include a variety of establishments where you will be placed. Supervising chefs will work with the student and supervisory teacher to achieve proficiency in a wide variety of skills as set forth by the National Restaurant Association Education Foundation. By the end of this experience, you will have worked in a variety of foodservice operations and will be able to identify one or more areas of specific interest. Upon successful completion of Culinary Arts III, you will be awarded a National Restaurant Association Education Foundation certificate of achievement. This is a PTS credit.

VEF301 AIR FORCE JROTC I A JOURNEY INTO AVIATION HISTORY (AS 100)

Students study flight history, Air Force history, astronomy, space exploration history, and the principles of flight. In the leadership lab, students study cadet and Air Force organizational structure; customs, courtesies, and military traditions and career opportunities; and the AFJROTC mission and benefits; uniform wear; customs, courtesies, and military traditions and career opportunities; health and wellness; self-control and discipline; and citizenship. Students will participate in a wellness program that encourages cadets to lead active, healthy lifestyles. Students develop leadership and communication skills; good citizenship qualities; and positive self-discipline, attitude, self-control, and self-esteem. Students learn drill movements and lead flights. Students develop stress, time, and study management skills. Students develop a career and education goal plan. Methods of instruction include lectures, laboratory exercises, group discussions, computer simulations and presentations, written reports, speeches, and field trips. Training opportunities include New Cadet Orientation, Summer Leadership School, and intermediate leadership training. Students are encouraged to participate in AFJROTC extracurricular activities such as the Drill Team, Color Guard, Black Knights Orienteering Team, Model Club, Rocket Club and Kitty Hawk Air Society Academic Honor Society. This yearlong course counts as a PTS credit and National Security/Military Career required course for PTS endorsement.

VEF401 AIR FORCE JROTC II THE SCIENCE OF FLIGHT (AS 210)

Students explore the aerospace environment, human physiology, principles of aircraft flight, and principles of navigation. Students practice and improve their communications, leadership, citizenship, and management qualities and skills. Students learn how to resolve conflict and work in teams. Students assume leadership positions in the cadet group, plan activities, and execute projects. Students exhibit, teach, and enforce proper uniform wear, personal appearance, and military customs and courtesies while wearing the uniform. Students teach and perform mandatory drill movements. Students wear the issued uniform once a week during the school year. Students will participate in a wellness program that encourages cadets to lead active, healthy lifestyles. **See VEF 301** above for methods of instruction, training opportunities, and extracurricular activities. This yearlong course counts as a PTS credit and National Security/Military Career required course for endorsement. **PREREQUISITE:** Satisfactory completion of AFJROTC I (VEF 301) or other JROTC equivalent course one.

VEF601 AIR FORCE JROTC IV - MANAGEMENT OF CADET CORPS (AS 400)

Students manage the entire corps during the fourth year. This hands-on experience affords the cadets the opportunity to put the theories of previous leadership courses into practice. All the planning, organizing, coordinating, directing, controlling, and decision-making will be done by the cadets. They practice their communication, decision-making, personal-interaction, managerial, and organizational skills. Students are evaluated on their communications, decision making, personal interactions, managerial, and organization skills. Students learn about aerospace, military, and civilian career opportunities. Students prepare resumes, college and higher education admission applications, financial aid applications, and letters of recommendations. Students apply knowledge of personal finances and investment opportunities to the real world demands they will face after high school graduation. Students learn the importance of management and how to make decisions. Students teach and demonstrate proper uniform wear, personal appearance when wearing the uniform and military customs and courtesies. Students write corps policies and procedures and teach level one cadets mandatory drill movements and other assigned level one curriculum subjects. Students wear the issued uniform weekly during the school year and attend weekly cadet senior staff meetings as directed. Students will participate in a wellness program that encourages cadets to lead active, healthy lifestyles. **See VEF 301** above for methods of instruction, training opportunities, and extracurricular activities. This yearlong course counts as a PTS credit and National Security/Military Career required course for endorsement. **PREREQUISITES:** Satisfactory completion of AFJROTC I (VEF301), other service JROTC level one basic course, or waiver by an AFJROTC Instructor.

VES402 SUMMER LEADERSHIP (SUMMER LEADERSHIP SCHOOL)

Course awards and annotates academic credit for successful completion of the annual DODEA Pacific Summer Leadership School (SLS). Selected JROTC cadets attend this eight-day training. SLS builds leadership and management skills in a mentally and physically demanding training environment. JROTC instructors and active duty military service personnel conduct and monitor the training. This dual track training has cadets attending for the first time as basic trainees and a limited number of cadets attending again who serve as cadet leaders and trainers. Cadets live in military facilities, eat in military dining facilities, and are transported in government vehicles. Cadets attend orientations; participate in physical training; develop leadership, time management and teamwork skills; and develop communication skills, self discipline, and the ability to follow instructions and to comply with standards. Training schedule includes field trips, hands on training and demonstrations, daily inspections, physical training, team exercises, and drill. Military oriented training includes water survival, rappelling, endurance course, land navigation, base defense, personal survival, and team and self confidence building exercises. **PREREQUISITES:** Students must successfully complete AFJROTC I (VEF301) or another service JROTC level one basic course and be approved for enrollment by an AFJROTC Instructor.

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
LAS401S	SPEECH	SEM	9-12	None
MAA305	ALGEBRA I LAB	Y	9-12	Selected
MAG405	GEOMETRY LAB	Y	9-12	Selected
MAA405	MATH LAB III	Y	10-12	Selected
PEG402S	CONDITIONING	SEM/Y	10-12	PEF301 & PEL301
PPS401	COLLEGE (SAT) PREP	SEM	10-12	None
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

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/

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.

PEG402S CONDITIONING

Only students who have successfully completed one year of Fitness for Life and Lifetime Sports (PEF301 & PEL301) may take this course for one-semester. Students will be introduced to the Tri-fit program. Students will develop their own fitness program and follow it throughout the course. Students must be self-motivated to take this class. Students will learn how to evaluate personal fitness readiness and explain specific training principles of fitness.

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.

AA301 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 9th 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

Please talk to your Counselor if you are interested in taking any classes via Distance Education. All Distance Education courses require students to be independent workers with prior knowledge in the subject(s) they wish to pursue.

COURSE CODE	COURSE NAME	LENGTH	GRADE LEVEL	PREREQUISITE
BCC5110T	AP COMP SCI A/T*	Y	11-12	Prog. C++ 1/T
FLG6140T	AP GERMAN /T*	Y	11-12	German IV
MAC6120T	AP CALCULUS AB/T*	Y	12	Math Analysis
SCP6120T	AP PHYSICS B/T*	Y	12	Physics
SCZ3010T	SCI RESEARCH/T	SEM	9-12	None
SSN4010T	ECONOMICS /T	SEM	10-12	None
MAZ6110T	AP STATISTICS/T*	Y	12	Math Analysis

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.

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 AP GERMAN/TELECOMMUNICATIONS*

This course is designed to prepare students to take the AP German language exam.

MAC6120T AP CALCULUS AB/TELECOMMUNICATIONS*

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

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.

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.

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.

***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.**