Lajes Elementary High School

Course Description Booklet

Contents:

- Graduation requirements
- Honors Diploma Requirements
- Course descriptions

2012-2013

Dear Students and Parents,

Following are the graduation requirements, the list of possible course offerings at Lajes Elementary/High School, and the professional technical studies certificate information for the 2012-2013 school year. Please pay particularly close attention to the graduation requirements.

***All** students in DODEA schools need to have a 6-year plan. This plan identifies graduation requirements and the specific courses you have taken and intend to take in order to fulfill those requirements. Every year the counselors assist students in updating their plans during course selection sessions in the English classes. Students then have the opportunity to share these with their parents. Parents, if you have not seen this plan or discussed it with your student, feel free to contact your student's counselor to set up an appointment. Students, if you are not sure if you have one, please see your counselor.*

Lajes Elementary High School offers courses to meet all levels of challenge. If you are a student who consistently scores above the 90th percentile in standardized testing, consider the Honors and AP offerings. If you are a student who finds math and language arts courses challenging and who scores below the 50th percentile in standardized testing, pay attention to the support courses offered in math and reading.

We hope you find this catalog helpful and informative. If you have any questions, please do not hesitate to contact us.

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Table of Contents

Graduation Requirements

Curricular Area	*Credits Required*
Language Arts (English)	4
Social Studies	3
Mathematics	3 (4*)
Science	3
Foreign Language	2
Fine Arts	1
Physical Education Lifetime Sports Health	0.5
Personal Fitness, Activity and Nutrition and	1.5
Career Technical ED	2
Electives	6 (5*)
TOTAL	**26**

* Starting in 2013, 9th grade students require 4 math credits reducing electives by 1.

** Must have a cumulative GPA of 2.0 in order to graduate.

***__Honors Diploma__ is available with a minimum of 4 AP courses and a cumulative 3.8 GPA.

In the course descriptions, a —G following the curricular area designation indicates that the course will satisfy graduation credit requirements for that curricular area

Courses by Curricular Area

Language Arts	Language Arts 9, 10, 11; Honors Literature 9, 10; AP English Language; AP English Literature
Social Studies	World History 9,10; Honors World History 9,10; United States History; US Government; AP US Government-Politics; Contemporary Issues
Mathematics	Algebra I; Algebra II; Geometry; Discrete Mathematics; Mathematical Analysis/Pre-Calculus; AP Calculus AB
Science	Biology; Chemistry; Chemistry Apps; Physics; AP Biology
Foreign Language	Spanish I, II, III, IV; AP Spanish
Fine Arts	Fundamentals of Art; Studio Art; Drama Theater; Chorus; Beginning Band; Intermediate Band; Advanced Band
Physical Education	PE/Personal Fitness, PE /Activity and Nutrition; PE/Lifetime Sports
Health	Health Ed

Career Technical ED:**

BUSINESS: Accounting I, II; Word Processing Software Applications (Microsoft Word); Business & Personal Finances; Marketing & Entrepreneurship; Mgmt International Business; Business Law; Presentation Software Applications (PowerPoint); Spreadsheet Software Applications (Excel);

COMPUTER:; Imaging Software Applications; Website Development and Management; Database Software Applications; Computer App I

VIDEO COMMUNICATION I, II, III

CAREER PRACTICUM I, II, lll (Seniors ONLY);

Electives	Portugese Culture, Algebra I Lab I; Math Lab (Alg II); Geometry Lab, AVID 9, 10, 11, 12; AVID Tutor; Yearbook Production; College Entrance Prep, Humanities, Conditioning, Reading Lab 9, 10, 11, 12

**All PTS certificate programs are listed following course descriptions in the back of this booklet

Course Descriptions

Course Title	*Curricular Area*	*Credit*	*Grade*
Accounting I	Career/PTS -G	1	10-12

Major Concepts/Content: 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.

Accounting II	Career/PTS -G	1	11-12

Major Concepts/Content: 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.

Advanced Band	Fine Arts -G	1	9-12

Major Concepts/Content: The advanced band course is designed to acquaint students with advanced instrumental music skills. The content includes, but is not limited to, the following: the interpretation and analysis of musical scores; the application of musical nuances in playing from a score; independent performance of all major and minor scales; advanced rhythm patterns; performance as a soloist and in small and large group ensembles; a variety of music repertoire, including style, periods, forms, electronic music; intermediate to advanced level sight-reading exercises; and introduction to computer/synthesizer musical composition.

Algebra I	Math -G	1	9-12

Major Concepts/Content: 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. The processes of problem solving, reasoning, communication and making connections are emphasized. Students will use formulas, functions, and equations to describe and clarify relationships, and will use geometry to represent algebraic relationships. Students will learn how to write and translate expressions into mathematical forms, solve first and second degree equations, and use the concept of a function to model real-world phenomena.

Algebra I Lab I	ELECTIVE	1	9-12

Major Concepts/Content: This class is designed to provide a developmental approach to the building of algebraic concepts, to expand upon basic algebraic concepts previously acquired, to integrate those principles with everyday life, and to assist all students in viewing algebra as a language of modeling the real world through problem solving. Learning will be through concrete activities and modeling, whenever possible, with less emphasis upon computational or symbol manipulating facility Students will use formulas, functions, and equations to Describe and clarify relation-ships, and will utilize geometry to represent algebraic relationships. Emphasis will be upon recognizing connections between geometry and algebra as they occur in real-life situations.

Course Title	*Curricular Area*	*Credit*	*Grade*
Algebra II	Math -G	1	10-12

Major Concepts/Content: This course engages students in advanced algebraic concepts through the study of functions of functions, polynomials, complex matrices, and sequences and series. Students will make connections by integrating algebra into geometry, data analysis, and into other curricular areas. Student reasoning will involve linear equations and inequalities, systems of linear equations, matrices and determinants, quadratic equations and relations, functions and graphs, powers, roots, and radicals, exponential and logarithmic functions, polynomials and polynomial functions, rational expressions and functions, sequences and series, probability and statistics, and circular trigonometric functions.

AP Biology* Laboratory	Science -G	1	11-12

The AP Biology course is designed to be the equivalent of a college introductory biology course usually taken by biology majors during their first year. After showing themselves to be qualified on the AP Examination, some students, as college freshmen, are permitted to undertake upper-level course in biology or to register for courses for which biology is a prerequisite. Other students may have fulfilled a basic requirement for a laboratory-science course and be able to undertake other courses to pursue their majors.

AP Calculus AB* or DL `	Math -G	1	12

Major Concepts/Content: The concepts and content for AP Calculus course incorporate the syllabus of the College Board. Students are engaged in authentic applications involving limits and continuity, derivatives, integrals, transcendental functions, and infinite series. The course emphasizes a multi-representational approach to calculus, with concepts, results, and problems being expressed geometrically, numerically, analytically, and verbally. The standards develop the unifying themes of derivatives, integrals, limits, approximation, and applications and modeling. Graphing calculators are required for this course as mandated by the College Board. Students should be encouraged to talk about the mathematics of change in calculus, to use the language and symbols of calculus to communicate, and to discuss problems and methods of solutions.

AP Calculus AB or DL*(See your Counselor)	Math -G	1	12

Course Title	Curricular Area	Credit	Grade

AP English Language* Language Arts -G 1 11-12

An AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and in becoming skilled writers who com-pose 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.

AP English Lit* or DL* (sp. cases) Language Arts -G 1 11-12

An AP English course in Literature and Composition should engage students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students should deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students should consider a work's structure, style, and themes as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone.

AP Spanish DL* Foreign Language-G 1 11-12

AP Spanish Language, emphasizing use of the language for active communication, has as its objective the development of the following competencies: Having a strong command of vocabulary and structure; Understanding spoken Spanish in various conversational situations; Reading newspaper and magazine articles, contemporary fiction, and non-technical writings without the use of a dictionary; and Fluently and accurately expressing ideas orally and in writing.

AP US Government-Politics Social Studies -G 1 12

Major Concepts/Content: A well-designed AP course in United States Government and Politics will give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics. While there is no single approach that an AP United States Government and Politics course must follow, students should become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes. Certain topics are usually covered in all college courses.

AVID 9, 10, 11, 12 ELECTIVE 1 9-12

Major Concepts/Content: AVID (Advancement Via Individual Determination) is a language arts based curriculum with emphasis on the writing process and writing as a tool of learning. In addition to inquiry and collaboration, AVID also provides students with academic survival skills, i.e., time management, note taking, textbook reading, library research, test taking skills, and study skills. The Cornell note-taking system is taught and students are expected to use this system in all classes.

Avid Tutor ELECTIVE 1 11-12

Major Concepts/Content: The AVID Tutor program is designed to train students who excel in the academic areas and who have an interest in teaching to work in a collaborative setting with students enrolled in the AVID program. Tutors will undergo a training period in which they will learn to effectively use the three teaching methodologies used in AVID: writing as a tool for learning, the inquiry method, and collaborative grouping.

Course Title	Curricular Area	Credit	Grade
Beginning Band	Fine Art—G	1	9-12

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

Biology Laboratory	Science -G	1	9-12

Major Concepts/Content: Biology is designed to provide students with an integrated approach to the study of living organisms, in addition to 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.

Business and Personal Finances	Career/PTS-G	1	9-12

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

Chemistry	Laboratory Science -G	1	10-12

Major Concepts/Content: Chemistry is designed to help students understand the major principles of chemistry. Information is acquired through an integrated approach, incorporating advanced topics 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 atomic theory and structure, chemical bonding, principles of chemical reactions, molecular structure, and how science and technology relate to chemistry.

Chemistry Applications	Laboratory Science – G	1	9-12

Major Concepts/Content: Chemistry Applications is 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.

Course Title	Curricular Area	Credit	Grade
Chorus	Music	1	9-12

Major Concepts/Content: The beginning chorus course is designed to Provide students, but not limit them to, the following vocal musical learning experiences: learning the beginning and basic fundamentals of sight-reading vocal music, rehearsing and performing unison and two-part music, singing with small and large groups, studying intonation, experiencing a wide variety of choral literature including secular and no secular music, singing with keyboard and other instrumental accompaniment, and participating in public performances and musical productions.

College Entrance Prep	ELECTIVE	0.5	10-12

Major Concepts/Content: The College Entrance Preparation course is designed to review and reinforce knowledge of content included on the Scholastic Aptitude test. In addition, the course should help students get better acquainted with the SAT, and in the process, alleviate some of the anxiety associated with taking this important test which could result in major implications for future educational pursuit.

Computer Applications	Career Tech	0.5	9-12

Major Concepts/Content: The Computer Applications I course 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.

Conditioning	Physical Ed	0.5 / 1	10-12

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

Contemporary Issues	Social Science	0.5	10-12

Major Concepts/Content: The contemporary issues course examines contemporary world problems and problem areas. Emphasis will be placed upon the role of the United States in these areas. In preparation, the historical shaping of United States foreign policy will be studied in some detail, and a necessarily brief exposition of the history, nature, and development of communism will also be included. In addition to studying the relation-ship between the superpowers and how it got that way, "hot spots" such as the Middle East, Southeast Asia, and Latin America will be on the agenda, with primary emphasis upon the past, present, and future interests of the United States in these areas. Problems of the world such as the population explosion and its connection with worldwide environmental degradation, poverty, and famine will be analyzed. Other worldwide problems such as the nuclear arms race and its connection with the possible degradation of global population will be looked into, as well as terrorism and major environmental concerns.

Database Software Applications	Career Tech	1	9-12

Major Concepts/Content: Database Software Applications provides students with the opportunity to develop professional level skills in database management. Skills include structuring a database, creating and formatting database elements, entering and modifying data, creating and modifying queries, presenting and sharing data, managing and maintaining databases.

Course Title	Curricular Area	Credit	Grade
Discrete Mathematics	Math - G	1	10-12

Discrete Mathematics Math -G 1 10-12 Major Concepts/Content: This discrete mathematics course by design shows a different view of mathematics than as seen in traditional mathematics courses. It is an applications driven course that is based upon the study of events that occur in small, or discrete, chunks. Discrete concepts are used extensively in business, industry, government, and the digital world. The major areas of study are counting and probability, graph theory, the mathematics of social choice (voting and fair division), and coding and encryption. Some of the questions investigated in discrete math are: What does a bar code mean? What is the most efficient way a delivery truck can visit ten destinations? Should you buy a lottery ticket?

Drama-Theater	Fine Arts -G	1	9-12

Major Concepts/Content: The drama course is designed to give the students opportunity to experience drama as a significant and rewarding activity and to enable students to demonstrate knowledge of the historical background of drama. The content includes, but is not limited to, recognition of the different genres of drama (tragedy, comedy, farce, melodrama, musical) and the elements of playwriting; knowledge of the different historical periods of drama and acting; understanding of the importance of drama as a reflection of society; recognition of drama as a self-rewarding activity that involves the identification of the unique worth of the individual, the motivation behind human behavior; and the dynamics of interpersonal relationships.

Economics or DL	Social Studies Elective -G	0.5	10-12

Major Concepts/Content: 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.

Fundamentals of Art	Fine Arts -G	1	9-12

Major Concepts/Content: The fundamentals of art course is designed as the basic entry course for the art program. The course provides instruction in the use of the elements 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 basic techniques of drawing, painting, printmaking, ceramics, and sculpture that can be used throughout life for communication, expression, and enjoyment.

Geometry	Math -G	1	9-12

Major Concepts/Content: This course is designed to develop and promote student reasoning and problem solving involving geometric concepts and properties. Topics of study will include deductive reasoning using points, lines, and planes; segments, angles and triangles; quadrilaterals; polygons; and three-dimensional figures. Algebraic concepts are integrated with the geometric concepts throughout the course. Applications to real life situations are prevalent throughout the course.

Course Title	*Curricular Area*	*Credit*	*Grade*
Geometry Lab I	ELECTIVE	1	9-12

Major Concepts/Content: This class will support and reinforce the basic geometric concepts taught in the Geometry course. Students will have additional opportunities to develop two-and three-dimensional reasoning skills, to understand coordinate and transformational geometry, trigonometric relationships, and to use geometric models to solve problems. They will build on their problem solving experiences to further develop their deductive and inductive reasoning skills, and methods of justifications. A variety of applications and some general problem-solving techniques will be used, including algebraic skills.

Health Ed	Health -G	0.5	9-12

Major Concepts/Content: This required course is designed to help high school students extend their conceptualization of knowledge, attitudes, and skills related to health issues learned in middle school. The focus is on students dealing with the world today and preparing for adult living based on a health and wellness ethic. Developmentally appropriate concepts of personal and community health (PCH), safety (SFTY), mental health (MH), alcohol, tobacco, and other drugs (ATOD), and family life and human sexuality (FLHS) are taught in this course. Students will utilize health education concepts when applying health information literacy skills, enhancing intrapersonal and interpersonal communications, analyzing internal and external influences, and applying thinking, self-management, and advocacy to promote wellness and reduce health risks.

Course Title	*Curricular Area*	*Credit*	*Grade*
Honors World History 9	Social Studies Elective -G	1	9

Major Concepts/Content: This course begins with the study of world history from the beginning of civilization to the 1500's. It is an interdisciplinary study that must be taken in conjunction with Honors English 10. The emphasis in the class is on the use of higher-level thinking skills that focus on critical reading, analysis, synthesis, and evaluation. In both form and subject, the materials selected for study will be a challenge to the most able student.

Honors World History 10 Social Studies Elective -G 1 10

Major Concepts/Content: This course begins with the study of world history in the 1500's. It is an interdisciplinary study that must be taken in conjunction with Honors English 10. The emphasis in the class is on the use of higher-level thinking skills that focus on critical reading, analysis, synthesis, and evaluation. In both form and subject, the materials selected for study will be a challenge to the most able student.

Humanities or DL	Fine Arts -G	1	9-12

Major Concepts/Content: The humanities course is designed to bean 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.

Imaging Software Applications	Career/Computer/PTS— G	1	9-12

Students will be able to demonstrate the following essential objectives: Use imaging software to demonstrate a thorough understanding of file formats using the work area and work spaces; importing, exporting and saving; working with sections; creating and using layers; using masks and channels; managing color, adjusting images; drawing and editing; painting; retouching; using actions; working with type; outputting to print; and outputting for the web. Analyze and evaluate solutions. Students will be able to do the following: Maintain files appropriately, demonstrate an understanding of security and risks., demonstrate basic knowledge of operating systems, demonstrate information literacy skills, understand the concepts of ethical issues as related to information systems (e.g. privacy, property, and access). Microsoft Adobe Certification Course

Course Title	Curricular Area	Credit	Grade
Language Arts 9	Language Arts -G	1	9

Major Concepts/Content: The language Arts 9 course is designed to strengthen students' skills in listening, speaking, writing, literature, and language. The content includes, but is not limited to, preparing oral reports in various content areas; using appropriate pitch, stress, juncture and rate in formal and informal speech; using the dictionary and the thesaurus to develop an increasingly comprehensive and precise vocabulary in both speaking and writing; locating resources (magazines, reference sources, films, and microfiche) by using indexes, catalogs, and the Reader's Guide; practicing the process of composition, including prewriting, drafting, revising, proofreading, and publishing; writing correspondence using appropriate forms (business, friendly); identifying with literary characters of the student's own age, and under-standing how the characters' actions and emotions reflect the student's own actions and emotions; under-standing that literature is written at different levels for different purposes and for different audiences; and reading self-selected books to help students learn to view reading as a useful and pleasurable activity.

Language Arts 10	Language Arts -G	1	10

Major Concepts/Content: The Language Arts 10 course is designed to strengthen students' skills in listening, speaking, writing, literature, and language. The content includes, but is not limited to, outlining or mapping main ideas and details of information received aurally or through research; using vocabulary and sentence structure appropriate to the listener and the situation; understanding the importance of speech in influencing the course of events in a democratic society; using interviewing skills; using parliamentary procedure skills; using formal debating skills; refining test-taking skills to meet secondary and post-secondary demands; writing a paraphrase, summary, or precise; writing compositions for newspaper publication; writing a short paper using research techniques; selecting appropriate sources of information for the topic; understanding and explaining the type of conflict in a given literary selection (psychological, social, environmental); experiencing a wide range of literary forms (e.g., short stories, novels, non-fiction, poetry, drama); using the media center research facilities; and reading self-selected books to help students learn to view reading as a useful and pleasurable activity.

Language Arts 11	Language Arts -G	1	11

Major Concepts/Content: The Language Arts 11 course is designed to strengthen students' skills in listening, speaking, writing, literature, and language. The content includes, but is not limited to, developing an increasingly comprehensive vocabulary in conversation and discussion; developing small group and large group discussion skills; inferring conclusions from a series of oral statements; respecting the presence of dialects and regional variations in speech; writing essays responding to social, political, and literary concepts; writing resumes; writing compositions of more than one paragraph using narration, exposition, and/ or description; developing individual criteria for the aesthetic appreciation of literature; recognizing and understanding the use of literary and stylistic devices; dramatizing literature; experiencing a wide range of literary works written in the United States by writers from the major ethnic groups in the U.S. population, including both classic and modern works; using the media center research facilities; and reading self-selected books to help students learn to view reading as a useful and pleasurable activity.

Language Arts 12	Language Arts -G	1	12

Major Concepts/Content: The Language Arts 12 course is designed to strengthen students' skills in listening, speaking, writing, literature, and language. The content includes, but is not limited to, recognizing how continued development of communication skills can enhance one's future career and leisure activities; using communication skills in preparing for career choices; using the research skills necessary to meet the demands of post-secondary classes; using computer technology, where hardware is available, as an aid in writing compositions; writing in a clear and personal style; responding to literary masterpieces which are the common heritage of all people; engaging in perceptive reading and critical analysis of English and world literature; engaging in discussions of philosophical questions as revealed in literary works; and using the media center research facilities.

Course Title	Curricular Area	Credit	Grade

Math Analysis/Pre-Calculus Math -G 1 11-12

Major Concepts/Content: This course will involve students in units and topics of study of operations with functions and equations, circular functions, vectors, applications of matrices, complex and polar coordinates, recursion, advanced proof ideas, rates and areas, statistical interference, algebra and algorithms. Problem solving in real world applications involving these units of study will be the beginning and focal points of lessons. Connections will be made of graphs with equations with real world situations. Reasoning in trigonometry, probability, discrete math, mathematical structure, and the conceptual underpinnings of calculus is a major emphasis in this course.

Math Lab (Alg II) ELECTIVE 1 10-12

This class will support and reinforce upper level mathematics courses such as Algebra II. Students will have additional opportunities to build on their problem solving experiences to further develop their reasoning skills, and develop methods of justifications. A variety of applications and some general problem-solving techniques will be used.

PE-Activity and Nutrition PE -G 0.5 9-12

Major Concepts/Content: This one semester physical activity and nutrition course is required for graduation. This course provides a variety of opportunities for students to experience alternative, non-competitive physical activities. It is designed to enable students in grades nine through twelve to develop the movement skills and conceptual knowledge necessary to implement a personal physical activity and nutrition plan. Students participate in noncompetitive physical activity and meal planning with pre and post physical activity and nutrition assessments.

PE-Lifetime Sports PE -G 0.5 9-12

Major Concepts/Content: This semester course, which is required for graduation, is designed to enable students in grades nine through twelve to develop the movement skills, conceptual knowledge, and attitudes for enjoyable sports participation throughout life. The focus is on teaching and improving the specialized motor skills and tactical knowledge unique to a variety of selected lifetime sports activities.

PE-Personal Fitness PE -G 0.5 9-12

Major Concepts/Content: This semester course, which is required for graduation, is designed to enable students in grades nine through twelve to develop the movement skills and conceptual knowledge and attitudes to make the personal physical fitness decisions of adolescent. Developmentally appropriate concepts of movement, physical fitness, and personal and social development are included in this course. Students apply appropriate information and problem solving that will help them achieve an individual, optimal level of fitness and help them stay fit for a lifetime. The course focuses on why fitness is important, what an individual's exercise and activity needs are and how to assess them, and how to exercise safely.

Physics Laboratory Science -G Prereq Algebra II 1 10-12

Major Concepts/Content: Physics presents basic concepts of physics in relation to world experiences. Information is presented in an integrated approach, linking physics with technology, social perspectives, and the history and nature of science. Physics is designed to provide an understanding of the physical laws fundamental to all sciences. Fundamental laws of mechanics are introduced, along with measurement and problem-solving techniques. Other topics included are wave theory, heat, sound, light, magnetism, electricity, atomic structure, nuclear reactions, and high energy physics.

Physics Apps in Comm Laboratory Science – G 1 9-12

Major Concepts/Content: Introduction to Physics presents concepts of physics in relation to world experiences. Information is presented in an integrated approach, linking physics with technology, social perspectives, and the history and nature of science. The course presents a thematic approach to physics using explorations of topics. Kinematics and dynamics are introduced by studying the physics of sports and transportation systems. Communication and information technologies are used to examine wave theory, light, and sound. Electrical and thermal energy topics are studied within the context of the home, as well as on a global scale. Applications of physics to health and medicine provide opportunities to study x-rays, CT scans, and ultrasound. Scientific predictions, such as those associated with radioactive decay, Newton's first two laws, the Law of Universal Gravitation, and special relativity, are contrasted with non-scientific views in order to highlight the characteristics of good science.

Presentation Software Apps Career/Computer/PTS -G 0.5 9-12

Major Concepts/Content: Presentations Software Applications provides students with the opportunity to develop professional level skills in presentations software. Microsoft PowerPoint Certification Course

Reading Lab 9, 10, 11, 12 ELECTIVE 1 9-12

Major Concept/Content: Improve reading achievement for students not reading at grade level through the use of a whole group instructional model with small group rotations.

Sociology Social Studies -G 0.5 10-12

Major Concepts/Content: Students study human social behavior from a group perspective, including recurring patterns of attitudes and actions and how these patterns vary across time, among cultures and in social groups. Students examine society, group behavior and social structures, as well as the impact of cultural change on society, through research methods using scientific inquiry.

Spanish I, II, III, IV Foreign Language -G 1 9-12

The foreign language courses are designed to teach students to pronounce and discriminate among the various vowel and consonant sounds and respond to and to imitate authentic patterns of intonation, rhythm, and pronunciation. Students learn to give simple oral and written information by using appropriate learned vocabulary, word order, and grammatical forms, and to read silently and aloud with comprehension. The major linguistic principles and language skills covered in Spanish include the following: usage of singular and plural nouns and interrogative, definite, indefinite, demonstrative and possessive adjectives; identifying and using the active voice in the indicative mood; identifying and using the imperative, the future tense, all forms of the past tense, progressives, and the subjunctive mood; identifying and using subject pronouns, direct object pronouns, indirect object pronouns, and the emphatic, reflexive, interrogative, demonstrative, and relative pronouns; identifying and using the most common prepositions; identifying and using comparison of adjectives; and identifying and using the formation of adverbs. As students progress through the levels, fluency and independence in speaking and writing is emphasized.

Course Title	*Curricular Area*	*Credit*	*Grade*
Spreadsheet Software Applications	Computer/Career/PTS	0.5	9-12

Major Concepts/Content: Spreadsheet Software Applications provides students with the opportunity to develop professional level skills in spreadsheet software. of the selected application, students will be able to demonstrate the following essential objectives: Use spreadsheet software to demonstrate a thorough understanding of working with cells and cell data, managing workbooks, formatting and printing worksheets, modifying workbooks, creating and revising formulas, creating and modifying graphics, and workgroup collaboration; Analyze and evaluate solutions; Maintain files appropriately; Demonstrate an understanding of security and risks; Demonstrate basic knowledge of operating systems; Demonstrate information literacy skills; and Understand the concepts of ethical issues as related to information systems (e.g. privacy, property, and access**).** EXCEL

Studio Art	Fine Arts -G Prereq Fundamentals	1	9-12

Major Concepts/Content: The studio art course is designed either as units of study in various media, or as an individualized course for advanced students. Students who would like to develop skill in several media would benefit from this course. Students can concentrate on selected media by choosing activities from a wide range of options such as drawing, watercolor painting, acrylic painting, oil painting, sculpture, ceramics, commercial art, creative crafts, lettering, printmaking, and mixed media.

US Government	Government – G	0.5	12

Major Concepts/Content: The United States government course is a required one semester course designed to provide students with essential knowledge, skills, and attitudes related to the nation's government and its historical development. The students review the purpose and function of government that they studied in eighth and eleventh grade. Major emphasis is on the structure of the federal government, political responsibility and participation, and state and local government. Some attention is given to economic systems and alternative political systems. Comparison with the host nation's government is encouraged as a part of the program.

US History	US History - G	1	11-12

Major Concepts/Content: The United States history course at the eleventh grade level is designed to be a required one-year course, with emphasis on our nation's history from Reconstruction to the present. Both basic and advanced social studies skills receive emphasis. This course builds on the eighth grade U.S. history course that concentrated on the pre-Columbian period to reconstruction. The first quarter is used to review, reinforce, and expand the student's knowledge of pre-civil War United States. The remaining quarters concentrate on post-Reconstruction to the present, influ-ences of and relations with the host nation during these periods are explored as part of the course.

Course Title	Curricular Area	Credit	Grade
Video Comm I	Career/Computer/PTS - G	1	9-12

Major Concepts/Content: The Video Communications I course for students in grades 9 through 12 is designed to introduce students to the concepts and equipment related to video production. Through a hands-on, project oriented approach, students will apply knowledge on filming, composition, linear/non-linear insert editing, lighting, storyboarding, audio and computer graphics/effects in order to communicate effectively using the video.

Video Comm II	Career/Computer/PTS - G	1	9-12

Major Concepts/Content: The Video Communication II course expands on the student's application of skills developed in the first course. Students will use the project-oriented approach to refine their video production techniques while exploring concepts related to, but not limited to, studio produc-tion, on-site editing, video switching, lighting, scriptwriting, computer graphics, interview techniques, and computer based digital video processing.

WordProcessing Software Apps	Career/Computer/PTS -G	0.5	9-12

Major Concepts/Content: Word Processing Software Applications provides students with the opportunity to develop professional level skills in word processing software. Microsoft Word Certification Course

Web Site Dev-Mgt	Career/Computer/PTS - G	0.5	9-12

Major Concepts/Content: In Web Site Development & Management, students will design, implement, and manage a web site. This is a hands-on laboratory course designed to teach students the concepts, skills and processes involved in web site development and management.

World History	Social Studies Elective -G	1	9-12

Major Concepts/Content: The world history course is designed to build on the content in the seventh and ninth grade geographical and cultural studies by studying the historical development of these cultures. The course continues the chronological study of ancient world civilizations begun in grade six. After an overview of the Early Ages, the course emphasizes the period from the Middle Ages to the contemporary world. Using the multidisciplinary approach, world history is a balanced program, not just a history of Western Europe. Attention is given to Europe, Asia, Africa, North and South America. The host nation's history and culture are used for comparison.

Yearbook Prod	ELECTIVE	1	9-12

Major Concepts/Content: The yearbook production course is a practical course designed to produce the official yearbook for the school. All phases of yearbook production, including photography, copy writing, page layout, and 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.