

PIMA HIGH SCHOOL COURSE CATALOG

2020-2021



ARTS – AUDIO, VISUAL, & PERFORMANCE

DANCE (Performance)

Dance education at Pima High School provides all students with the opportunity to acquire a comprehensive knowledge of dance as an art form. Students learn and refine dance skills and techniques in class and in performance, study the historical and cultural significance of dance and its evolution as an art form, and evaluate personal work and the work of others. Course goals are as follows:

- Gain significant knowledge of dance elements, principles, and concepts
- Develop and apply an understanding of basic principles of choreography
- Apply knowledge, skills, and techniques of dance in formal dance presentations
- Build personal criteria for the evaluation of non-professional and professional dance performance and study
- Effectively communicate ideas, thoughts, and feelings through dance.

Grade Level: 9th, 10th, 11th, 12th

Prerequisites: None

DANCE (NON-Performance)

Dance education at Pima High School provides all students with the opportunity to acquire a comprehensive knowledge of dance as an art form. Students learn and refine dance skills and techniques in class and in performance, study the historical and cultural significance of dance and its evolution as an art form, and evaluate personal work and the work of others. Course goals are as follows:

- Gain significant knowledge of dance elements, principles, and concepts
- Develop and apply an understanding of basic principles of choreography
- Apply knowledge, skills, and techniques of dance in formal dance presentations
- Build personal criteria for the evaluation of non-professional and professional dance performance and study
- Strengthen and condition physical self through Dance

Grade Level: 9th, 10th, 11th, 12th

Prerequisites: None

DRAMA

The Drama class introduces students to acting techniques and theater appreciation. The course concentrates on the areas of artistic perception, the art of "being", creating theater to communicate meaning and intent, the history of theater including key figures and historical periods, developing lifelong skills such as creative problem solving and planning for college and careers in the theater and the arts, and exploring the impact technology and research has on the art of drama. The class includes team work, relaxation, concentration, movement, proper use of voice, play analysis, breathing, improvisation, character analysis, performance, scene work, monologues, audition/interview skills, theatre vocabulary, theatre history. The curriculum is aligned with the Arizona Academic Standards in the Arts.

Grade Levels: 9th, 10th, 11th, 12th

Prerequisites: None

ARTS – MUSIC

BEGINNING GUITAR

Beginning Guitar introduces students to the fundamentals of music and guitar-playing techniques, such as strumming and chords. This course may also include more advanced guitar-playing techniques.

Grade Level: 9th, 10th, 11th, 12th

Prerequisites: None

Fee Required: Students may be asked to purchase or rent a beginning guitar based on availability.

HIGH SCHOOL BAND

The Pima High School Band/ Marching Band meets one period a day throughout the school year. The marching band performs at football games and selected band festivals in the fall. Consisting of wind and brass players as well as drummers and color guard members, the marching band represents a group of dedicated, hard working, responsible students. As a result of their effort,

the members of the marching band are widely recognized throughout the school for their contributions to the school and the community. The Marching Band season begins in August and ends after the State Marching band competition held in November. After marching band is over, high school band starts up and jazz and concert music are played. Two concerts are held during the school year, with the first concert being in December and the second concert being in May. Participation in the band is open to any student willing to work and learn. It is a terrific opportunity for freshmen to work with many of our finest musicians, arriving at high school in the fall with a group of helpful, talented friends.

Fee Required: \$60 Participation Fee

Grade Level: 9th, 10th, 11th, 12th

Prerequisites: None

ORCHESTRA

Orchestra is for anyone interested in playing violin, viola, cello or bass. Orchestra will have two concerts during the school year in December and in May along with other various music festivals. Students are required to have their own instrument. Orchestra is open to any student who is willing to work and learn to play an instrument.

Fee Required: \$60 Participation Fee

Grade level: 9th, 10th, 11th, 12th

Prerequisites: None

SHOW CHOIR

Auditions for this group are held at the end of the school year for the following year. A meeting will be held to discuss the audition process. If the student can't attend the meeting, it is their responsibility to contact the director to get information. Each student will be expected to audition for the regional choir the last weekend of January. Any exceptions must be approved by the director. Performances range from singing the national anthem at sporting events to full performances throughout the community. Students will be graded on performance attendance. Students will perform a variety of music including pop, swing, jazz and some classical music. Physical ability to perform dances is a critical component. Students will also learn basic elements of sight-reading music.

Prerequisite: Audition Required

Fee Required: \$60 Participation Fee

Grade Level: 9th, 10th, 11th, 12th

HIGH SCHOOL CHOIR

This is a non-auditioned group. Everyone is welcome to join. Students will learn fundamentals of good singing technique as we prepare for the required performances. Grades are based on performance attendance, classroom participation and progress made in sight-reading and vocal technique.

Grade Level: 9th, 10th, 11th, 12th

Prerequisites: None

A CAPELLA

This Course is a small vocal ensemble that meets zero hour. This ensemble requires an audition in the spring. The group will perform as male and female quartets as well as combined. Participants will perform modern adaptations of pop and jazz music following the voicing of the a capella style. One member will audition to split time as a vocalist and vocal percussionist/beat boxer.

Grade Level: 9th, 10th, 11th, 12th

Prerequisites: Audition, must enroll in Show Choir

CAREER AND TECHNICAL EDUCATION (CTE)

BUSINESS EDUCATION

Business Education equips students with:

- Core academic skills and the ability to apply these skills in the work place
- Employability skills
- Job specific, technical skills
- Academic subject matter taught with relevance to the real world
- Employability skills, from job-related skills to workplace ethics

Pima High School has two state approved business programs.

- Accounting and Related Services
- Business Operations Support and Assistant Services

Future Business Leaders of America (FBLA)

- A high school organization for students interested in business
- FBLA Mission: "To bring business and education together in a positive working relationship through innovative leadership and career development programs".
- Students enrolled in a business class are eligible for membership

Course sequence for the Accounting and Related Services program:

DIGITAL AND FINANCIAL LITERACY

Digital Literacy: *Keyboarding*—The first focus will be a keyboarding review. *Software Applications*—Basic software applications such as word processing, spreadsheets, and presentations will be introduced and applied. *Document Formatting*—The correct formatting of basic documents such as correspondence, reports, and

tables will be practiced. *Cyber Literacy*—Protecting Your Computer, Internet Safety, Cyberbullies, Social Media, Protecting Your Identity, Researching and the Web, Netiquette and Cyber Ethics, and Your Digital Footprint are topics that will be presented and applied.

Financial Literacy: *Personal Finance*—Introduction to concepts and practices to successfully manage personal finances is the focus. Some of these units include: Take Charge of Your Financial Well-Being, Managing Your Money, Earning, Saving, Use of Credit Cards and Spending. *World of Work*—Exploring careers, learning about classes and schools that lead toward career goals, and applying employability skills will be an on-going focus of this class.

Grade Level: 9th, 10th, 11th, 12th

Prerequisites: None

ACCOUNTING (WEIGHTED)

The prime objective of this course is to introduce the double-entry system of accounting for sole proprietorship, corporate, and partnership forms of business enterprises by using real-world applications and connections. Banking and payroll procedures are practiced. Other important objectives include developing personal and professional skills for school and work and to find success in accounting.

Grade Level: 10th, 11th, and 12th

Prerequisites: Digital & Financial Literacy, Algebra I

ADVANCED ACCOUNTING (WEIGHTED)

The units of study in this course include accounting for special procedures involving assets, liabilities, and equity. Spreadsheet software is used to create accounting reports. Several accounting simulations are given for reinforcement of concepts and to give a "real life" experience. An emphasis will be placed on recognizing career opportunities, developing good decision making skills, applying business ethics, and exhibiting effective work habits while performing tasks relating to accounting. Students will take the state mandated "Accounting and Related Services" state assessment at the end of the semester.

Grade Level: 11th, 12th

Prerequisites: Accounting (with a grade of 80% or better)

ACCOUNTING III (WEIGHTED)

The course is designed for those students who wish to further their accounting skills and knowledge. Using accounting information for financial decision-making is the basis of this course. Accounting for other forms of business organization and special accounting systems is emphasized. The accounting software, *QuickBooks*, is used extensively.

Grade Level: 12th

Prerequisites: Advanced Accounting (with a grade of 80% or better)

Course Sequence for the Business Operations Support and Assistant Services program:

DIGITAL AND FINANCIAL LITERACY

Digital Literacy: *Keyboarding*—The first focus will be a keyboarding review. *Software Applications*—Basic software applications such as word processing, spreadsheets, and presentations will be introduced and applied. *Document Formatting*—The correct formatting of basic documents such as correspondence, reports, and tables will be practiced. *Cyber Literacy*—Protecting Your Computer, Internet Safety, Cyberbullies, Social Media, Protecting Your Identity, Researching and the Web, Netiquette and Cyber Ethics, and Your Digital Footprint are topics that will be presented and applied.

Financial Literacy: *Personal Finance*—Introduction to concepts and practices to successfully manage personal finances is the focus. Some of these units include: Take Charge of Your Financial Well-Being, Managing Your Money, Earning, Saving, Use of Credit Cards and Spending. *World of Work*—Exploring careers, learning about classes and schools that lead toward career goals, and applying employability skills will be an on-going focus of this class.

Grade Level: 9th, 10th, 11th, 12th

Prerequisites: None

BUSINESS TECHNOLOGY

Business Technology is for students who have an interest in learning how to utilize technology to perform and coordinate tasks. Skill level with word processing and spreadsheet will increase. Basic business document formatting will be reinforced. Units in business operations such as document management, e-mail functions and Internet/Intranet will be offered.

Grade Level: 10th, 11th, and 12th

Prerequisites: Digital & Financial Literacy

BUSINESS OPERATIONS I

Business Operation I builds on previously learned skills. Skill level with database and spreadsheet software will increase. Applying time management principles and demonstrating knowledge of the need for ethical behavior in the workplace are an important part of this course. Students will take the state mandated "Business Operations and Assistant Services" state assessment at the end of the semester.

Grade Level: 11th, 12th

Prerequisites: Business Technology

BUSINESS OPERATIONS II

Business Operations II is the culminating course in the Business Operations Support and Assistant Services program. The primary focus of this course is effective office management using the skills learned in the previous courses. Units in meeting management,

preparing travel arrangements, maintaining supplies and equipment, staffing and supervising, and telephone use will be offered. Basic banking and payroll procedures will be learned. Several simulations will be completed using technology learned.

Grade Level: 12th

Prerequisites: Business in Action I (Exception: a 12th grader may take both Business Operations I and II concurrently)

INTRODUCTION TO COMPUTER SCIENCE

Students will learn the basics of computer programming along with the basics of computer science. The material emphasizes computational thinking and helps develop the ability to solve complex problems. This course covers the basic building blocks of programming along with other central elements of computer science. It gives a foundation in the tools used in computer science and prepares students for further study in computer science.

Grade Level: 9th, 10th, 11th, and 12th

Prerequisites: None

CABINETMAKING

INTRODUCTION TO CABINETMAKING

Intro to cabinetmaking acquaints the student with the essential principles of cabinetmaking. Topics include wood technology use of hand tools, portable power tools, and cabinetmaking machinery. Emphasis is placed on safety, and shop policies & procedures. Students are required to complete several projects designed to develop beginning cabinetmaking skills. Instruction is provided in the following areas:

- Wood products
- Structural design
- Working drawings
- Materials list
- Measurement & dimensions
- Machine methods & processes
- Application of safe & proper procedures

Grade Level: 10th, 11th

Prerequisites: None

CABINETMAKING

The introductory cabinetmaking course acquaints the student with the essential principles of cabinetmaking. Topics include wood technology, use of hand tools, portable power tools and basic machinery. Emphasis is placed on proper technique, safety and shop policies for the cabinetmaking facility. Students are required to complete a core project designed to develop primary cabinetmaking skills before moving on to develop and build their own design. Instruction is provided in the following areas:

- Wood products
- Structural design
- Working drawings

- Materials list
- Machine methods and processes
- Selection safe use and care of hand and power tools
- Applications and proper woodworking procedures

Grade Level: 10th, 11th, and 12th

Prerequisites: Introduction to Cabinetmaking

ADVANCED CABINETMAKING

Advanced cabinetmaking increases student skills in the use of power tools & cabinetmaking machinery. Students will learn techniques & processes that pertain to custom cabinetmaking design & construction, panel construction, & freestanding furniture. Instruction is provided for the following areas:

- Cabinet design
- Cutting
- Shaping
- Forming
- Wood finishing
- Lathe operation

Grade Level: 10th, 11th, and 12th

Prerequisites: Cabinetmaking

FRAMING AND CONSTRUCTION TRADES

CONSTRUCTION TRADES

Topics include wood technology, use of hand tools, portable power tools and basic machinery. Emphasis is placed on proper technique, safety and shop policies for the framing facility. Instruction is provided in the following areas:

- Wood products
- Structural design
- Working drawings
- Materials list
- Machine methods and processes
- Selection safe use and care of hand and power tools
- Applications and proper woodworking procedures
- Framing concepts

Grade Level: 10th, 11th, and 12th

Prerequisites: Introduction to Cabinetmaking

GRAPHIC DESIGN

GRAPHIC DESIGN 1 – PHOTOGRAPHY AND PHOTOSHOP

This class will provide an introduction to the Graphic Design industry while teaching students the basics of photography and Photoshop. We will be going over design principles and ethics and look at the graphic

design industry and best job practices. By the end of the year students should be able to take more beautiful photographs and learn how to control their results. They will also be able to add special effects and professional editing techniques to put them a cut above the competition. At the end of the year students will have the opportunity to take an Adobe Certified Associate exam that will certify they are prepared for entry-level work on Adobe Photoshop?

Grade Level: 10th, 11th

Prerequisites: None

GRAPHIC DESIGN 2 – ILLUSTRATOR

This class will focus on building vector graphics through Adobe Illustrator. Students will start building their portfolio through the creation of several projects that reflect real-life design situations. This class will give students an idea of what it is like to be a graphic designer. At the end of the year students will have the opportunity to take an Adobe Certified Associate exam that will certify they are prepared for entry-level work on Adobe Illustrator?

Grade Level: 10th, 11th, and 12th

Prerequisites: Graphic Design 1

GRAPHIC DESIGN 3 – IN-DESIGN

This class will focus on compiling past and present projects into a portfolio the student can use to highlight their abilities when applying for a job or a design school. This class will take on clients and projects from the community in preparing students for professional work.

Grade Level: 11th, 12th

Prerequisites: Graphic Design 2

WELDING TECHNOLOGY

WELDING CORE

The welding core curriculum is designed to expose students to metalworking. Instruction includes career planning, preparing for employment, work-based learning, oral and written communication skills, understanding the role of small businesses and financial management, workplace leadership styles and leadership development. The program is designed and delivered as a coherent sequence of experiences using technical instruction, experiential learning, supervised occupational experience, leadership and personal development through the career and technical student organization, Skills/USA.

Grade Level: 10th, 11th

Prerequisites: None

WELDING I

Welding I prepares individuals to apply basic technical knowledge and skills to join or cut metal surfaces. Instruction will provide the students with the basics of

safety, welding, material identification and entry-level fabrication techniques. The following procedures will be introduced within the areas specified below:

- Oxygen / Acetylene Welding
- Arc Welding
- Oxygen / Acetylene Cutting
- Tools for Fabrication

Grade Level: 10th, 11th

Prerequisites: Welding Core

ADVANCED WELDING

This course prepares individuals to apply advanced technical knowledge and skills using a variety of welding techniques and equipment. Instruction includes Welding and Cutting Theory, Inspection and Testing, Electrical Fundamentals, Drawing and Welding Symbols, Fabrication Principles and Practices and Safety. Students will advance their knowledge and talents in all areas taught and are expected in the metalworking industries. Students will incorporate abilities learned in previous classes to design and build projects using multiple disciplines.

- Oxygen / Acetylene Welding
- Arc Welding
- Oxygen / Acetylene Cutting
- Tools for Fabrication
- Plasma Arc Cutting
- Forging
- Gas Metal Arc Welding

Grade Level: 11th, 12th

Prerequisites: Welding I

INTRO TO CNC MANUFACTURING

Learn how to take your idea from a sketch on a napkin and turn it into something useful!

This course provides a hands-on introduction to the basic concepts and principles of Computer Numeric Control (CNC) Manufacturing. You will learn the basics of 3D solid computer modeling and how to program and operate 3D printers, CNC Routers and CNC Plasma Cutters.

Grade Level: 11th, 12th

Prerequisites: At least 1 year of Welding or Cabinetmaking

AGRISCIENCE/FFA

Agriscience is a four (4) year instructional program providing specialized entry-level preparation in Agriculture. Its primary intent is to prepare students with agricultural, business, and leadership skills. A program "completer" is a student who has completed three one-year courses in Agriscience. The Agriscience program is designed to emphasize four major segments: agricultural sciences, agricultural mechanics, agricultural management, and leadership development.

The FFA Mission: FFA makes a positive difference in the lives of students by developing their potential for **premier leadership, personal growth** and **career success** through agricultural education.

Grade Level: 9th, 10th, 11th, 12th

Prerequisites: None

FOREIGN LANGUAGE

SPANISH I

Students learn by speaking, reading, writing and listening to Spanish. Oral proficiency and use of the target language is encouraged at all levels. A variety of methods are used including Total physical Response Storytelling, textbooks and authentic and cultures, geography and history.

Grade Level: 9th, 10th, 11th, 12th

Prerequisites: None

SPANISH II

Spanish II builds upon skills developed in Spanish I, extending students' ability to understand and express themselves in Spanish and increasing their vocabulary. Students will learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students will also explore the customs, history, and art forms of Spanish-speaking people to deepen their understanding of the culture(s).

Grade Level: 10th, 11th, 12th

Prerequisites: Spanish I or equivalent test

FRENCH

Students will begin to study the French language by actively listening, speaking, reading, and writing while being exposed to quality foreign language instruction. This course aligns with the national and state foreign language standards.

Grade Level: 9th, 10th, 11th, 12th

Prerequisites: None

LANGUAGE ARTS

ENGLISH I

Freshman English is a survey course that integrates reading, writing, listening and speaking. Subjects of focus in this course include basic composition, speech, vocabulary development, and the study of literature. Literature of the course includes poetry, short stories, novels, plays, and nonfiction choices. Texts are selected to build on students' previous backgrounds as well as to introduce students' literature interpretation and to improve reading skills. Writing focuses on development skills and writing process utilizing personal experience as well as literary texts. This class is a prerequisite for all other English course offerings unless otherwise noted.

Grade Level: 9th
Prerequisites: None

ENGLISH II

Sophomore English offers students a wealth of experiences that focus on units in composition rhetoric, world literature, and creative writing. Skills and practice in each unit will prepare students for the AIMS test in reading and writing. Topics covered will include fundamentals of oral communication and debate, practice in writing and evaluating using the six traits of writing (idea development, sentence fluency, voice, word choice, organization and conventions). Practice in the writing process and different aims of discourse (persuasive, expository, literary, and expressive), studying challenging literature from around the world and across history.

Grade Level: 10th
Prerequisites: English I

HONORS ENGLISH (WEIGHTED)

Honors English 10 will follow the structure of the English 10 class but will also offer an emphasis in rhetorical analysis of writing and literature.

Grade Level: 10th
Prerequisites: English I, teacher recommendation

ENGLISH III

English 11 is a course that familiarizes students with major writers and trends in writing. Thinking and writing skills will be developed in response to the varied reading which will include poetry, non-fiction, short stories, plays, and novels.

Grade Level: 11th
Prerequisites: English II

ENGLISH IV

English Literature and Composition is a rigorous course designed to give students a learning experience equivalent to an introductory college literature course. Students will study an array of literature including drama, prose and poetry. Two important skills will be emphasized in this class- critical reading and analytical writing. The requirements, literary selections, writing assignments and classroom activities are all designed to prepare students for college.

Grade Level: 12th
Prerequisites: English II

ENG 101 WRITTEN COMMUNICATION (EAC COURSE) (WEIGHTED)

ENG 101 is a 1 semester .5 credit course that emphasizes clear and effective writing and critical reading. Students generate a minimum of 7,000 words including revisions throughout the semester.

Grade Level: 11th, 12th

Prerequisites: Student must take and pass a placement test prior to enrollment

ENG 102 WRITTEN COMMUNICATION (EAC COURSE) (WEIGHTED)

ENG 102 is a 1 semester .5 credit course that continues development of skills and concepts taught in ENG 101. Emphasizes research and critical reading and writing. Students generate a minimum of 7,000 words including revisions throughout the semester.

Grade Level: 11th, 12th
Prerequisites: ENG 101

ENG 241 AMERICAN LITERATURE I (EAC COURSE) (WEIGHTED)

ENG 241 is a 1 semester .5 credit course that selects readings from Native beginnings to the Civil War. Students generate a minimum of 2,500 words including revisions throughout the semester.

Grade Level: 11th, 12th
Prerequisites: English 101 with a grade of C or higher

ENG 242 AMERICAN LITERATURE II (EAC COURSE) (WEIGHTED)

ENG 242 is a 1 semester .5 credit course that selects readings from the Civil War to the present. Students generate a minimum of 2,500 words including revisions throughout the semester.

Grade Level: 11th, 12th
Prerequisites: English 241

MATHEMATICS

ALGEBRA I

Algebra I is a course in first year algebra. Topics include solving equations and inequalities, linear, quadratic and exponential functions, and polynomials. The topics are developed through a variety of applications using numeric algebraic representations.

Grade Level: 9th (Some will take as 8th Graders)
Prerequisites: None

GEOMETRY

Geometry is the study of patterns with emphasis on drawing, visualizing and following algorithms; understanding properties, mathematical relationships, and using applications in real-world situations. The course integrates algebra and geometry by using coordinates and transformations.

Grade Level: 10th (9th)
Prerequisites: Algebra I

ALGEBRA II

Algebra II is a course in second year algebra. Students study a variety of topics; exponents, roots, linear functions, systems, of equations, quadratic equations, variations, complex numbers, logarithms, and trigonometry. Algebra II includes problems involving real- world situations. All topics are developed numerically, algebraically, and geometrically.

Grade Level: 11th (10th)

Prerequisites: Geometry

CONSUMER MATHEMATICS

Consumer math prepares students for life, provides credit for high school graduation, but does not meet requirements for college entrance requirements. Topics will include the mathematics of unit pricing, discounts and markups, calculating pay, taxes, budgeting, various types of insurance, buying a car and related expenses, credit cards, investments, and travel.

Grade Level: 11th, 12th

Prerequisites: Algebra I and Geometry

MAT 120 INTERMEDIATE ALGEBRA (EAC COURSE) (WEIGHTED)

MAT 120 is a 1 semester .5 credit course. It is a continuation of Elementary Algebra. Topics include functions, systems of equations, inequalities, quadratics, radicals, and conic sections.

Grade Level: 11th, 12th

Prerequisites: Algebra I, Geometry, and Algebra II.

Student must take and pass a placement test prior to enrollment

MAT 154 COLLEGE ALGEBRA (EAC COURSE) (WEIGHTED)

MAT 154 is a 1 semester .5 credit course. It is the first course to prepare students for calculus. Topics include functions, graphs, solving equations, zeros of polynomials, exponentials and logarithms, and systems of equations. Additional topics may include conic sections, partial fraction decomposition, matrices, sequence, and series.

Grade Level: 11th, 12th

Prerequisites: *Prerequisites:* Students must take and pass a placement test prior to enrollment or have passed MAT 120 with a C or better.

PHYSICAL EDUCATION

WEIGHTS

This is an activity-based class based on the BFS (Bigger/Better, Faster, Stronger) program. It is an overall program consisting of strength, agility, flexibility, conditioning, and plyometrics. We focus on the strength and agility portion of the program during class time. The strength portion focuses on core lifts (bench, squat,

power clean, deadlift, towel bench and box squat). Auxiliary lifts enhance the core lifts and students who consistently do both types of lifts receive the best results. The sets and reps change weekly to eliminate plateaus. The agility part of the program is a dot drill done daily and is also used as a warm up.

Grade Level: 9th, 10th, 11th, 12th

Prerequisites: None, however priority will be given to upperclassmen

SCIENCE

ANATOMY AND PHYSIOLOGY

This course will focus on the structure and function of the human body. Topics include an in-depth exploration of the organ systems and mechanisms for maintaining homeostasis. Careers in the medical and healthcare fields are also investigated.

Grade Level: 11th, 12th

Prerequisites: Biology, Geometry

BIOLOGY

Biology is a course emphasizing hands-on experiments with living and preserved specimens (dissection). Topics studied include cellular biology, genetics, forensics through DNA, technology, living organisms and their complete life cycles, evolution as a theory, the scientific method and many versions of scientific labs with an emphasis on generating real data and the interpretation of that data.

Grade Level: 9th, 10th, and 11th

Prerequisites: Algebra I

CHEMISTRY

Chemistry is a laboratory course dealing with the information concepts and principles of chemistry. Topics include atoms and molecules, elements and compounds, chemical reactions, solutions, atomic structure, chemical bonding, quantum theory, periodic table, and acids and bases. The course is designed to give the student a functional background and develop an awareness of opportunities for further growth in the sciences and related fields. This class has a strong emphasis on laboratories and the chemical processes for mining. It is strongly recommended that any student considering taking chemistry have a strong math background, having passed algebra 1 with a grade of B or higher.

Grade Level: 10th, 11th, and 12th

Prerequisites: Algebra I

INTEGRATED SCIENCE

Integrated Science is designed as a general lab science that will cover several different topics and is based on the Arizona Science Standards. Subjects that will be covered include data collection and analysis, types of measurements, earth science, astronomy, and basics of

physical science with a focus on “real world” scientific problems and situations.

Grade Level: 9th, 10th, 11th, 12th

Prerequisites: None

LIFE SCIENCE

This is a general science course designed to examine the basic aspects of the living world. An effort will be made to survey as much material as possible due to the fact that this is an introductory biology course to help prepare for all higher level, college preparatory biology courses. Students will be exposed to a wide range of topics from beginning cell biology/biochemistry and genetics, to taxonomy and ecology. Lab time will be spent doing inquiry labs and activities. Students will be challenged to develop scientific thinking, reading, writing, and numeracy skills throughout the course year.

*This class does not fulfill the 3 years Science requirement for university entrance straight from high school.

Prerequisites: None

PHYSICS

Physics is an advanced lab science that focuses on the study matter, its motion and behavior through space and time. Topics covered include motion (one and two dimensions), force (one and two dimensions), addition and subtraction of vectors, trigonometry, circular motion, the Law of Universal Gravitation, momentum, and impulse. Other subjects that may be covered are electromagnetic waves, light, sound, and electricity.

Grades: 11th, 12th

Prerequisites: Geometry, Chemistry

PHYSICAL SCIENCE

The high school Physical Science curriculum continues students' investigations of the physical sciences that began in Grades K-8. The course is designed as an introduction to the major concepts in chemistry and physics. The course includes concepts such as: structure of atoms, periodic table principles, motion, forces, conservation of matter and energy, gravity, machines, electricity and the behavior of waves. These concepts are investigated through laboratory experiences designed to promote and develop appropriate skills in science inquiry.

Grade Level: 9th, 10th, 11th, 12th

Prerequisites: None

BIO 101 BIOLOGY CONCEPTS (EAC COURSE) (WEIGHTED)

An integrated course dealing with both plants and animals, related to our environment from molecule to biosphere. A liberal studies course for non-science majors with an emphasis on contemporary issues.

Grade Level: 11th, 12th

Prerequisites: Student must take and pass a Reading placement test prior to enrollment

BIO 160 INTRODUCTION TO HUMAN ANATOMY AND PHYSIOLOGY (EAC COURSE) (WEIGHTED)

Study of structure and dynamics of the human body. For students who desire one semester in anatomy and physiology.

Grade Level: 11th, 12th

Prerequisites: Reading Placement Test

SOCIAL STUDIES

WORLD HISTORY/GEOGRAPHY

This Course will teach the students about the ancient peoples of the world and their direct impact upon the modern world. The form of delivery is traditional with heavy emphasis on bookwork, lecture, notes, essays and research papers. There will be fun projects included that drive students into a higher level of thinking.

Grade Level: 9th, 10th

Prerequisites: None

AMERICAN HISTORY

US History subject is offered in the junior year and is a requirement for graduation. The first semester traces the development of the United States through the 1900. The second semester continues to the present. Emphasis is placed on political, military, social and economic development with an emphasis on their influences, both and international.

Grade Level: 11th

Prerequisites: World History

US GOVERNMENT/ECONOMICS

American Government and Economics are required for graduation. They are offered in the senior year to better prepare the senior student for the responsibilities of the adult world. American Government investigates state and federal government, the role of each government in today's society and the social problems that concern each government. The economics semester is designed to give the student a better understanding of the American economic system. It also provides students with a realistic background for solving and understanding problems that confront the individual.

Grade Level: 12th

Prerequisites: World History and American History

ADDITIONAL ELECTIVES/SUPPORT CLASSES

LEADERSHIP

A class designed to teach basic leadership principles & give students an opportunity to practice those principles on a regular basis. This course also serves as a set meeting time for Student Council participants to plan & carry out activities for the benefit of the PHS student body.

Grade Level: 9th, 10th, 11th, 12th

Prerequisites: Elected into a leadership position

LINK CREW

Link Crew is a national program that welcomes freshmen and makes them feel comfortable throughout the first year of high school. Link Crew focuses on developing skills of leadership, empathy, compassion, and motivation. Through these skills, leaders will increase a sense of community within our school, and facilitate freshmen success.

Grade Level: 11th, 12th

Prerequisites: By invitation only

COMPUPOWER

Technology and Leadership (a partnership with ASU) is a course that uses technology as a vehicle to foster student leadership through the investigation and promotion of students' assets. Students will engage with a wide variety of technologies, which will enhance their academic, career and technological capabilities, in order to promote positive social change within their community. Each quarter will focus on an essential question that students answer through tools such as: online photo/audio/video capture and editing, web design, graphic design, cloud-based document management, project planning and productivity, communication and collaboration, research and digital literacy, and basic coding. Each quarter students will apply the technology skills and leadership concepts they have learned to a project. Students will create a digital notebook to track their ideas, develop plans, reflect on their learning and collaborate. Students will use the internet on an almost daily basis. At the end of the course, students will have the opportunity to attend a Student Residency Experience at ASU, where they will have the opportunity to present their projects to a panel of judges.

Grade Level: 9th, 10th, 11th, 12th

Prerequisites: None, may be recommended by a teacher, counselor, or principal.

STUDY HALL

The course is designed for students doing a credit recovery class, online class through EAC, or who need time to work on classwork/homework. When not working on homework, students will be learning study skills through an Edgenuity online course.

Grade Level: 9th, 10th, 11th, 12th

Prerequisites: None, may be recommended by a teacher, counselor, or principal.

TEACHER'S AIDE

Students are required to find their own teacher or department to be an aide for and have it approved in the office.

Grade Level: 10th, 11th, 12th

Prerequisites: None, may be recommended by a teacher, counselor, or principal.

YEARBOOK

This class will learn the basics of InDesign through designing the Pima High School Yearbook. Students will be responsible for photography, layout and content in telling the story of Pima High School. Students will develop design skills, organization, leadership and time management as they work together to complete the yearbook on time.

Grade Level: 9th, 10th, 11th, 12th

Prerequisites: Graphic Design 1 (or concurrently enrolled), and by teacher discretion

Weighted Courses

Each course that is labeled as weighted will receive an increase of 10% of the final semester grade.

Example:

Student A

Weighted Class semester Grade 89.3%

Student will receive an additional 8.93%

New weighted semester grade 98.23%