

PVHS Electives

AGRICULTURE PATHWAY (CTE)

***g Ag Business Communication (10-11) & AHC Intro. To Ag Business (10-12)** Project based course designed to promote and develop leadership capabilities in the agriculture industry. Through the planning and execution of numerous events for the school's FFA chapter, students will discover how to best effect change in their communities. FFA participation and SAE (Supervised Agriculture Experience) will be part of the grade for this course. **AHC Intro to Ag Business** Provides a basic understanding of the business and economics of the agricultural industry; an introduction to the economic aspects of agriculture and their implications to the agricultural producer, consumer and the food system; management principles encountered in the day to day operation of an agricultural enterprise as they relate to the decision making process.

***g Ag Mechanics (9-11)** Designed to provide lab experiences in safe operation of power tools, planning projects, oxyacetylene, & Arc and MIG welding.

***g Adv. Ag Mechanics (10-12)** Expands on basic skills learned in Agriculture Mechanics. Included is beginning plan reading, creating a bill of material, & cut lists.

***g Ag Leadership & Communications (9-11) & AHC Ag Sales, Comm & Leadership (9-11)** Ag leadership is designed to allow the student to develop and practice leadership skills by directing the work of the FFA Chapter. Activities include: developing a program of work, running meetings, and coordinating school and community activities, team building, parliamentary procedure, public speaking, and volunteerism. **AHC Ag Sales, Comm & Leadership** is the study of principles and practices of the selling process. Self-management, communication, and interpersonal skills necessary in developing managerial abilities, leadership qualities, and facilitating teamwork within the agribusiness sector will be explored. This course is organized to give students an in-depth understanding of the factors and influences that affect the agribusiness industry on a day-to-day business.

***g Adv. Communication & Ag Leadership (10-12)** Expands on Ag leadership and communication. **PR**

***g Animal Science (10-12)** Focuses on the areas of mammalian production/anatomy/physiology, reproduction/nutrition/respiration/genetics, and large/small stock care. Prepare students for major in Agricultural, Animal, or Veterinary Science.

***d Veterinary Science (11-12)** Scientific study in animals & veterinary care. Students will be able to take the exam to become a certified level 1 assistant veterinary technician. **PR**

***g Agriculture Business Communications (10-12)** Project based course designed to promote and develop leadership capabilities in the agriculture industry. Through the planning and execution of numerous events for the school's FFA chapter, students will discover how to best effect change in their communities. FFA participation and SAW (Supervised Agriculture Experience) will be part of the grade for this course.

BUSINESS TECHNOLOGY PATHWAY (CTE)

***g AHC Business 101 & AHC Intro to Entrepreneurship 101 (9-11)** Business 101 provides a multidisciplinary examination of how culture, society, economic systems, legal, international, political, financial institutions, and human behavior interact to affect a business organization's policy and practices with the U.S. and a global society. Primary areas of study include; organizational structure and

design, leadership, human resource management, organized labor practices, marketing, financial practices, the stock and securities market, and therefore affect a business' ability to achieve the organizations goals. Entrepreneurship 101 using a project approach will discover methods for starting businesses and writing/presenting industry quality business plans.

***g Computer Applications (9-11)** Intro to Computers & Microsoft Office. Learn to effectively format documents, excel spreadsheets & presentations.

***g Website Programming & Desing (10-12)** Computer programming concepts and skills, programming techniques and web page design using HTML and JavaScript and advanced Internet technologies. **PR**

EE *g Communication Technology (10-12) Prepares students for employment with advanced office skills. Learn essential communication & writing skills. Learn how to use technology effectively. **(ROP) PR**

***g Gaming Technology (9-11)** Explore the purpose of games in society. Participate in game development, coding, & design and evaluate mobile apps/gaming models, & create multimedia presentations.

***g Accounting & Finance (10-11)** Develop & understand the operation of business financial management and accounting, financial records, journals, & statements.

***g Personal Finance (11-12)** Designed to help students gain essential knowledge and skills to make informed decisions about real work financial issues. Students will learn how choices influence occupational options and future earning potential. Students will learn to apply decision-making skills to evaluate career choices and set personal goals. This course will cover the following topics: Checking, Saving, Types of Credit, Managing Credit, Paying for College, Budgeting, Investing, Financial Pitfalls, Career, Taxes, Insurance, Behavioral Finance, Mini Units and Bonus Lessons. **PR**

Intervention Through Technology (ITT) (11-12) A remediation course to assist students to pass courses through the PLATO program. Improve reading, writing, and math ability to high school level, and provide entry level employment skills. Include entry level computer skills, specific course remediation, structured writing, and job skills with technical focus. **PR**

FAMILY CONSUMER SCIENCE PATHWAY (CTE)

***g Culinary Arts 1 (10-11)** Culinary techniques for home cooking and professional applications. Nutrition, food science, safe practices and measurements will be covered. Eligible for Food Handlers license upon successful completion of the course/exam.

***g Culinary Arts 2 (11-12)** Advanced food prep and meal management techniques. Catering and use of professional equipment and techniques. Careers in the food industry will be explored. Eligible for ServSafe license upon successful completion of the course/exam. **PR**

***f Apparel Construction & Design 1 & *f AHC FASH 110 (10-11)** Instruction in garment construction and sewing techniques. Use of a sewing machine, basic equipment, and methods of clothing construction. AHC FASH 110 is an introduction to the fashion industry and potential employment opportunities. Presents processes, principles, and techniques for constructing woven garments with the single needle machine, industrial single needle machine, and overlock serger machine. Emphasizing current custom and industrial techniques, including fit and care.

***f Apparel Construction & Design 2 A/B (10-12)** Become acquainted with new and varied techniques in clothing construction including sewing repairs, patter construction, window display and specialty sewing machines. Students will also operate a small clothing business. **PR**

H *g Developmental Psychology of Children (10-11) A comprehensive study of developmental stages of children from conception through early adolescence. For students who are interested in a career involving children.

H Intro to FCS & Health (9-12) Basic understanding of clothing & textiles creative arts, safety & health, reproduction, family planning, parenting, drug & substance abuse, personal health & appearance, foods & nutrition, personal & relationship development, leadership skills, consumer planning, & career related opportunities.

H *g Relationship & Family/Child & Family (10-11) Provides knowledge of preparation for marriage/family roles/responsibilities, & marriage adjustments & in making decisions related to family living. Develop abilities for parenting, maintaining individual & family health & safety, the family as consumers, & child development/guidance.

***g Careers in Family & Human Services (11-12)** This course provides background knowledge and occupation-specific training that focuses on the development of counseling and mental health services, and family and community services careers. **PR**

INDUSTRIAL TECHNOLOGY PATHWAY (CTE)

***g Mechanical Drawing 1 (9-12)** A course for both female and male students who wish to go into the engineering, construction and architectural fields. Offers an opportunity to learn to draw using computers (CADD), traditional Tsquares with triangles and freehand sketching. Class is paired with AHC Solid Works 1.

***g Mechanical Drawing 2 (10-12) Students** preparing for careers in drafting. Additional CAD Software. Pictorial drawing, surface developments, welding drafting, aerospace and technical illustration, industrial design, architectural drafting, map drafting, structural drafting and engineering.

***g AHC Solid Works 1 (10-12)** An introduction to three dimensional computer-aided-design (CAD), students will learn to design complex objects using SolidWorks. Students will be able to bring their designs to life with 3d printers. **2 period class**

***g Small Gas Engines (9-11)** Work on a small gas engine & learn good hands-on working practices. Student will perform major & minor small engine disassembly, assembly & maintenance operations.

***g Advanced Small Engines (10-12)** Students who wish to learn more advanced techniques of engine lab procedures and power technology. **PR**

***g Wood (9-11)** Introduction to wood working.

***g Wood Technology (10-12)** Introduction to wood working and technology. Students who successfully complete this class may move on to Technical Theater. **PR**

***g Graphic Arts 1 (9-12)** For all students interested in exploring and/or developing their experience, knowledge, and skills in the area of digital arts. Students will use a variety of current digital technology to create individual expressive artwork.

***g Graphics Arts 2 (10-12)** Designed for all students interested in furthering their experience, knowledge, and skills beyond the introductory course of Graphic Arts 1. Students will create portfolios of their individual, original artwork and prepare them for submission to post-secondary learning institutions.

INTERNATIONAL LANGUAGES / GLOBAL CITIZEN

***e French 1 (9-12)** Designed to teach students to communicate in French at a novice level.

***e French 2 (10-12)** Improve skills gained in French 1. Increase knowledge and understanding of Francophone culture. **PR**

***e French 3 (11-12)** Build on the skills in French 2. Improve fluency in written and spoken French, in both formal and informal settings. **PR**

***e AP French Language & Culture (12)** Conducted entirely in French. Builds on knowledge acquired in French 1, 2, & 3 and prepares students for the AP French Language and Culture Exam. **PR**

***e Spanish 1 (9-12)** Designed to teach students to communicate in Spanish at a novice level.

***e Spanish 2 (9-12)** Builds on skills acquired in Spanish 1. Expand topics and situations where students can communicate. **PR**

***e Spanish 3 (9-12)** Designed to allow students to internalize the language that they have studied in Spanish 1 & 2. Students will increase vocabulary and their ability to communicate beyond themselves. **PR**

***e Spanish for Spanish Speakers 1 (9-12)** For students who are fluent in spoken, informal Spanish and need to improve writing, reading and grammar skills. Course is conducted entirely in Spanish.

***e Spanish for Spanish Speakers 2 (10-12)** Designed to increase ability to write in Spanish through intensive practice in formal and informal styles. Use interpersonal, interpretive, and presentational modes with advanced study of grammar & structure. Course conducted in Spanish. **PR**

***e AP Spanish Language & Culture (10-12)** Language acquisition and preparation for the depth & complexity of Spanish AP exam. Develop sophisticated skills of reading/writing/speaking & listening at an advanced college level. Includes formal presentational speaking and essay writing. **PR**

***e AP Spanish Literature & Culture (11-12)** Builds on skills acquired in AP Spanish. Prep for AP Spanish Lit. exam. Read Spanish & Hispanic literature from 14th - 20th century. Analyze, discuss & interpret a poem, play or narrative through its figures of speech, tone, genre, style, characters, and themes. **PR**

***e Cine y Teatro (11-12)** Cinema gives a window to the world and to history, at the same time it provides a mirror which reflects the human condition, and many situations with which we may identify. This class builds Spanish skills, including grammar and writing. It explores themes such as race, ethnicity, gender, sexuality and class through a critical analysis of Cinema in Spanish. Course conducted entirely in Spanish. **PR**

PHYSICAL EDUCATION

PE 3 Weight Training & Fitness (11-12) Personal Fitness, i.e. weights, cardio, core training, stretching and plyometrics.

PE 3 Fitness for Life (11-12) Designed to be taken after successful completion of PE Course 1 & 2. This course will concentrate in the area of aerobic activities: aerobic dance, cycling, running, walking, and swimming.

PE 3 Aquatic Activities (11-12) This course is designed to meet the needs of all levels of swimmers, from the very beginner to the more advanced. Students will learn and practice all of the same skills and swim strokes that are taught by the American Red Cross. Students will also participate in some fun skill development games leading up to water polo and diving. By the end of the year students will learn basic water safety techniques that will help prepare students for a future lifeguarding class.

SOCIAL SCIENCE

***g ASB Leadership (9-12)** Designed to help the student prepare for personal development, team-building, trust-building, communications skills, self-esteem, time-management.

***g AP Psychology (11-12)** The history of Psychology as a discipline, the biological roots of behavior, developmental psychology, sensation and perception, consciousness and psychological disorders. Second semester, students study learning and memory, thinking, language, intelligence, motivation, personality theory and social psychology. Students can take the AP Psychology exam if desired. The study of biological psychology. Course topics include: perception, development, senses, sleep/dreams/consciousness, and psychological disorders. Explore the psychological perspectives that attempt to explain & help understand human behavior. (Seniors Priority)

ARTS & MEDIA ENTERTAINMENT PATHWAY

***f Concert Choir (9-12)** For students who have had previous choral background and successfully complete an audition of minimum basic skills. Perform advanced choral literature & increase their understanding and appreciation of music.

***f Jazz Ensemble (9-12)** Open to all students with at least six months' experience on their instrument & director approval. Will be required to perform.

***f Marching Band/Concert Band (9-12)** Offered to performers interested in the following instruments: flute, clarinet, saxophone, oboe, bassoon, French horn, trumpet, trombone, baritone, tuba, and percussion/drums.

***f Guitar (9-12)** Intro course, students interested in learning to play the acoustic guitar, or to improve their existing skills. Guitars are provided for classroom use.

Beginning Piano (9-12) Study the elements of music (melody, harmony, rhythm, tone & form) to create style. Intro to different genres of music, historical periods, roles of musicians of each era, basic music theory & piano techniques.

***f Songwriting & Music Production (10-12)** Opportunities to create music of your own. Develop skills in composing, arranging, singing, listening, and analyzing popular music. Basic proficiency on an instrument is encouraged, but not required.

***f Music History (9-12)** Designed to develop a sense of how music fits into history.

***f Jazz Choir (9-12)** Previous choral background. Successful completion of an audition. Focus on vocal improvisation, performing with musicians with an emphasis on balance & microphone technique. **

***f Theater Arts 1 (9-12)** Introduces the basic skills of theater arts in four areas: 1) Acting, performance skills, articulation, projection, expression and self-confidence; 2) Theater History; 3) Play reading and writing; 4) Technical theater, career set design, costuming & make-up.

***f Theater Arts 2 (10-12)** Focuses on the following areas of theater: acting, theater history, play reading and writing, technical aspects and theater careers. **PR**

***f Technical Theater 1 (10-12)** Students interested in theatrical and set design for school productions. Learn about lighting, sound, costumes & stage management. Learn to use sound and lighting equipment in theater.

***f Technical Theater 2 (11-12)** For students who have competed Technical Theater 1 and are interested in a career in theatrical design, production, lighting, sound, costumes, and stage management. Students will learn advanced skills in sound, lighting equipment, and design in preparation for the school productions. All students will be required to work on the school drama productions. **PR**

***f Intro to Art (9-12)** Focuses on the elements of art, foundation of art history and the principles of design through the use of various media.

***f Painting (10-12)** Basic painting techniques with an intensive study of color theory. Learn to create paintings which indicate depth, volume, & form. **PR**

MEDICAL HEALTH CAREERS PATHWAY (CTE)

***g Medical Science/Health Careers (11-12)** Medical terminology, first aid/CPR, basic health care skills, anatomy and physiology, health care organizations and professions. Participation in job shadowing during spring semester at local hospital. **(ROP) 2 period class (Seniors have priority)**

***g Medical Assisting (11-12)** Learn skills of medical assisting, infection control, patient examination, EKGs/vital signs, and medical terminology. Clinical internships may be available to eligible students. (CTE) **2 period class**

***d Physiology/Anatomy (11/12)** A study of the development and structure of the human body, and the interactions of human cells, tissues, organs and organ systems. Sample topics include: Nervous system, cardiovascular system, digestive system, reproductive system. **PR**

***d Sports Medicine/Kinesiology (11-12)** Instruction in kinesiology, biomechanics, anatomy, physiology, healing processes, CPR/First Aid/AED training, injury evaluation, personal training, physical therapy & fitness. **(ROP)**

***g Forensic Science 1 (11-12)** Provides a bridge between science and the criminal justice system. Covers scientific theories of forensic science, lab techniques, and identifying trace physical evidence, including DNA.

*g Forensic Science 2 (12)

This class builds upon the same interdisciplinary science courses of anatomy, biotechnology, biochemistry, molecular biology, chemistry, physics, and applies the administrative justice based laboratory sciences used in the criminal justice system. Students will do forensic analysis, procedures and principles of crime scene investigation, physical and trace evidence, and law/courtroom procedures from the perspective of the forensic scientist.

All educational programs and activities under the jurisdiction of the State Board of Education shall be available to all qualified persons without regard to sex, sexual orientation, gender, ethnic group identification, race ancestry, national origin, religion, color, or mental or physical disability pursuant to the California Code of Regulations.