

CAREER AND TECHNICAL EDUCATION (CTE) PATHWAYS

<http://whs.rocklinusd.org/CTE/index.html>

The Whitney High School Career and Technical Education Pathways offer students a unique perspective into a field of study that they might want to pursue upon their graduation from Whitney. The classes listed below adhere to the CTE guidelines set forth by the California Department of Education. Students completing the pathway will have the opportunity to achieve specific competencies in that area of study, earn a program certificate and/or pre-apprenticeship certification, develop an industry specific portfolio, display a special graduation cord, obtain an internship with a local business or on campus, travel to conferences and/or competitions, receive college credit (dual enrollment) in some classes, and establish a professional online presence. No matter what your future holds (four year college, junior college, trade school, or career), set yourself apart from the crowd and take part in the Whitney CTE pathways.

ARCHITECTURAL AND STRUCTURAL ENGINEERING

FOUNDATIONS OF CONSTRUCTION (BITA I)

Grade Level: 9-10

Prerequisite: None

Requirements Met:	WHS Technology (Applied Science)	UC/CSU Approved "G"
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In year one of the Building Industry Technology Academy, students gain basic construction skills in the following areas: use of hand tools, machine tools operation, types of construction materials used in the industry, construction and organizational operations, sub-flooring, framing, roofing, blueprint reading, and construction-specific math.

CRAFTSMANSHIP AND CONSTRUCTION TECHNOLOGY (BITA II)

Grade Level: 10-11

Prerequisite: Foundation of Construction (BITA I)

Requirements Met:	WHS Technology (Applied Science)	UC/CSU Approved "G"
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Year two provides the students an opportunity to explore various trades in more depth using construction labs and student-directed activities facilitated by the instructor. Students can explore all of the lab activities or pursue advanced levels in an area of interest. All students study electrical in the course of year two. The trade areas explored include concrete, masonry, surveying and site prep, HVAC, plumbing, drywall, painting, and tile. Students will also be incorporating CAD software (Fusion 360, RhinoCAM, Mosaic) for the design of the structures and use of industry level CNC machinery.

ADVANCED CONSTRUCTION (BITA II-Dual Enrollment Pending)

Grade Level: 11-12

Prerequisite: Foundation of Construction (BITA I) and Craftsmanship and Construction Technology (BITA II) and instructor approval

Requirements Met:	WHS Technology (Applied Science)
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This course is designed to introduce the student to the build environment, students will be exposed to building industry: trends, organizations, construction processes, contracting laws, regulations, business aspects and career pathways. This course will provide instruction and assignments centered on basic home building process i.e. Property/house selection, permits, site preparation, foundation, framing calculation and characteristics of materials, carpentry, framing, basic electrical wiring, plumbing, measurement systems, and the safe use of hand/ power tools. The goal is to expose the student to each of these areas of study while applying a method or technique through project based learning. Dual Credit (Pending): While enrolled in BITA 3 at Whitney, you have the opportunity to dual enroll in CET 0005 Introduction to the Built Environment at Sierra College. At the completion you will have earned 3 college units through Sierra College which are transferable to a CSU and can also be used as 1 of 3 required courses to earn the Sierra College Certificate in Basic Construction. During the first part of the class all you have to do is fill out a form to register for CET 005 and pass BITA 3 to earn the credits. CET 0005 is transferable to CSU.

ARCHITECTURAL DESIGN

Grade Level: 10-11

Prerequisite: Foundation of Construction (BITA I)

Requirements Met:	WHS Technology (Applied Science)
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Architectural and Structural Engineering provides learning opportunities for students interested in preparing for careers in such areas as architecture, industrial design, and civil engineering. how architecture is shaped by history and the significant events in the history of structural engineering, theoretical, practical, and contextual issues that influence design, the relationship between architecture and the external environment, the mechanics and properties of structural materials, the methods used to analyze simple structures, the use of computer-aided drafting and design (CADD) in developing architectural designs, how to systematically complete an architectural project, methods of creating written and digital portfolios, and the effective use of architectural and structural equipment.

ENGINEERING DESIGN

Grade Level: 11-12

Prerequisite: Foundation of Construction (BITA I) and Architectural Design

Requirements Met:	WHS Technology (Applied Science)
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Engineering Design provides learning opportunities for students interested in preparing for careers in the design and production of visual communications. Students plan, prepare, and interpret drawings and models through traditional drafting or computer-aided drafting and design (CADD) techniques. The historical and current events related to engineering and design and their effects on society, use of engineering design equipment, measurement systems applied to engineering design, proper projection techniques to develop orthographic drawings, object-editing techniques and CADD programs, applying proper dimensioning to drawings, sectional view applications and functions, tolerance relationships between mating parts, inserting text into a drawing, sketching processes used in concept development, and creating written and digital portfolios.

INTERNSHIP AND CONSTRUCTION TECHNOLOGY (BITA IV-Dual Enrollment Fall 2018)

Grade Level: 12

Prerequisite: Foundation of Construction (BITA I), Architectural Design and Engineering Design or Foundation of Construction (BITA I), Craftsmanship and Construction Technology (BITA II) and Advanced Construction (BITA III) and instructor approval

Requirements Met:	WHS Technology (Applied Science)
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Fundamentals of residential framing both conventional and green energy efficient techniques involving layout and construction to include: exterior and interior walls, ceilings, roof systems, stair designs and installation. Major lab project: framing a project in the community. Includes use and practices of materials and codes related to California Green Technology and "Net Zero Energy" policies. (CSU) Dual Credit: While enrolled in BITA 4 at Whitney, you have the opportunity to dual enroll in CET 0005 Introduction to the Built Environment at Sierra College. At the completion you will have earned 3 college units through Sierra College which are transferable to a CSU and can also be used as 1 of 3 required courses to earn the Sierra College Certificate in Basic Construction. During the first part of the class all you have to do is fill out a form to register for CET 0022 and pass BITA 4 to earn the credits. CET 0022 is transferable to CSU.

BUSINESS MANAGEMENT

INTRODUCTION TO BUSINESS

Grade Level: 9-10

Prerequisites: None

Requirements Met:	WHS Technology (Applied Science)
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A survey in business providing 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 within the U.S. and a global society. The course demonstrates how these influences impact the primary areas of business and consumer behavior. Students have the opportunity to join the Future Business Leaders of America and travel. Introduction to Business is the first course in the Whitney High School business pathway.

ACCOUNTING

Grade Level: 11-12

Prerequisite: Integrated I and Introduction to Business

College Articulation: Students may articulate and receive CSU/UC transferable college credit at Sierra College

Requirements Met:	WHS Mathematics Elective	UC/CSU Approved "G"
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This one-year course covers fundamental accounting principles for those who have had no previous study in bookkeeping or accounting. It provides practical training to enable students to hold bookkeeping or account clerk positions. Concepts covered will include basic accounting principles, data accumulation for financial statements, and the accounting cycle. The course utilizes a computerized accounting system, spreadsheets, and the use of word processing software for business applications. Students have the opportunity to join the Future Business Leaders of America and travel.

EMPOWERING ENTREPRENEURS

Grade Level: 11-12

Prerequisite: Introduction to Business and Accounting

Requirements Met:	WHS Technology (Applied Science)	UC/CSU Approved "G"
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Entrepreneurship will teach the necessary skills and approaches to successfully evaluate and create new business opportunities. Emphasis is placed on projects and activity based learning. Students will engage in team building and collaborative activities, with the intent of increasing career and college readiness. Students will explore the complex tasks, expectations, and restrictions of individuals engaged in entrepreneurial activities. Students will progress through different methods for developing business ideas, the processes of starting a business, the acquisition of resources, and the key components of a business plan. Students have the opportunity to join the Future Business Leaders of America and travel.

COMPUTER SCIENCE

COMPUTER SCIENCE I

Grade Level: 9-10

Prerequisite: None

Requirements Met:	WHS Technology
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Students will learn the fundamental concepts and terminology of software application development and develop skills in designing and writing simple computer programs. The course assumes no programming background and provides an overview of the software development process in addition to introducing important programming constructs and methodologies. The course covers such topics as programming language characteristics, integrated development environments, flowcharts, algorithms and pseudocode, variables, operators, conditional statements, looping statements, procedures, error-handling and debugging, object-oriented programming techniques, user interface design, software modeling, and Extensible Markup Language (XML) Web services. Students will learn the fundamental concepts and terminology of software application development and develop skills in designing and writing simple computer programs.

COMPUTER SCIENCE II - **Coming in 2018-2019

Grade Level: 10-11

Prerequisite: Computer Science I

Requirements Met:	WHS Technology
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**Coming in 2018-2019

EDUCATION

CHILDHOOD AND ADOLESCENT DEVELOPMENT I

Grade Level: 9-10

Prerequisite: None.

Project ownership requires monetary contribution of \$40.

Requirements Met:	WHS Elective
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Childhood and Adolescent Development is a Career Technical Education course, which provides students the opportunity to study the physical, cognitive, language, social, and emotional developmental stages of children from conception through adolescence. Students will study topics such as brain development, families and parenting, prenatal development, developmental milestones from birth through adolescence, health and safety issues, guidance and discipline, cultural diversity, child care, education, children with special needs, and career decisions. This course provides a solid foundation for any career that involves working with children.

CHILDHOOD AND ADOLESCENT DEVELOPMENT II

Grade Level: 10-11

Prerequisite: Childhood and Adolescent Development I

Project ownership requires monetary contribution of \$40.

Requirements Met:	WHS Elective
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Childhood and Adolescent Development II, is a Career Technical Education course, which is centered around the developmental psychology of children and adolescents. This course provides students the opportunity to study the physical, perceptual, cognitive, personality, and language developmental stages of children from school-age through adolescence. It includes the principle theories of development, their interrelatedness, and their application. Students who enroll in Childhood and Adolescent Development II will gain knowledge in the fields of child development, child psychology and career readiness.

STARS - STUDENTS TEACHING AND REACHING STANDARDS

Grade Level: 11-12

Prerequisite: Child and Adolescent Development I, application, interview, and selection process.

Internship Included: Yes (2 period class)

Project ownership requires monetary contribution of \$40.

Requirements Met:	WHS Technology
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STARS is a Career Technical Education course that is offered to Junior and Senior students and is the capstone course for the Education Pathway. Students study positive interactions and guidance techniques and developmentally appropriate practices and curriculum activities. Students will also study education as a profession and a field of study, California's content standards and frameworks, teacher performance standards, theories of human development and implications for a classroom, principles of teaching and learning, principles of team-building and creating a positive school climate, philosophies of education and leadership, exceptional student issues, controversial issues in education, and job-seeking skills. Once trained, students are assigned a classroom at a school within our district where they participate in an internship allowing students to apply their learning in authentic situations in order to deepen their ability to think critically and solve problems in real-life situations and reflect on their own teaching practices. Upon completion, students will finish the year with over 75 hours of practical Early Childhood work experience and a portfolio with a resume, references, and work samples. Students must provide their own transportation to and from the assigned school site. Project ownership requires monetary contribution of \$40.

FOOD SERVICE AND HOSPITALITY

CULINARY I (BEGINNING FOODS)

Grade Level: 9-12

Prerequisite: None

Requirements Met:	WHS Elective
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This is a comprehensive course designed to introduce students to the nutrient value, appetite appeal, social significance and cultural aspects of food. Students will participate in cooking labs, as well as a variety of classroom activities. Emphasis will be on reading recipes, measuring accurately, and food preparation. Basic food science principles will be introduced. Kitchen safety and sanitation; proper use of equipment; essential job skills in the food industry will be reinforced as well.

CULINARY II (BAKING & PASTRY CAREERS)

Grade Level: 10-12

Prerequisite: Culinary I or teacher approval

Requirements Met:	WHS Elective
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This course is designed to prepare students for the specific entry-level skills needed to excel in this exciting career within the foodservice industry. Students will learn the culinary skills that are foundational to baking and patisserie including breads, specialty breads, hot and cold plated desserts, cakes, chocolate work, and pastries. School to career business lessons will help prepare students for a successful transition into postsecondary education or career exploration. Students who complete the program will have met the California Foodhandler's Card requirement for safe food handling. Jobs in this specialty area include: Executive pastry chef, bread and pastry bakers, dessert specialists, catering specialists, patisserie specialists, institutional and cafeteria baker, and gourmet specialty baker. With a Certificate of Completion, the student will be prepared to meet the demands that employers want and need.

CULINARY III (FOOD SERVICES AND HOSPITALITY OCCUPATIONS – WILDCAT CAFÉ)

Grade Level: 11-12

Prerequisite: Culinary I and II or teacher approval

Requirements Met:	WHS Elective
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This advanced culinary course teaches entry level skills for hospitality including: professional knife skills, preparation of quality fresh food, customer service and teamwork. Additional study areas will include safety and sanitation, use and care of commercial equipment, management of food establishments, and food service standards. Working in the Wildcat Café periodically during lunch is required because it provides students with specific hands-on skills in this industry. As a capstone project, students will work in groups to design and present their own restaurant concept. Students who complete the program will have met the California Foodhandler's Card requirement for safe food handling. Jobs in this specialty area include: Restaurant owner, Executive Chef, Food & Beverage Manager, Banquet Manager, Director of Menu Development, Director of Purchasing, and Caterer. With a Certificate of Completion, the student will be prepared to meet the demands that employers want and need.

GRAPHIC ARTS & TECHNOLOGY

GRAPHIC COMMUNICATIONS I

Grade Level: 9-12

Prerequisite: None

Project ownership requires monetary contribution of \$30

Requirements Met:	WHS Technology (Applied Science) or VAPA	UC/CSU APPROVED "F"
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Desktop publishing and graphic design will be emphasized in this hands-on class. Students will be introduced to a variety of design categories, digital media, and careers: advertising, publication design, posters, photo manipulation, illustration, and more. An emphasis is placed on an introduction to the elements and principles of design, color theory, and typography utilized for visual communication. Using graphic design, students will be exposed to the skill of visual communication to represent ideas or concepts. Students will be given the opportunity to explore the design process and; using critical thinking skills, find creative visual solutions while designing many of their own projects. Software training includes use of Adobe Illustrator and Photoshop. Project ownership requires monetary contribution of \$30.

GRAPHIC COMMUNICATIONS II

Grade Level: 10-12

Prerequisite: Graphic Communications I or extensive portfolio of work presented to teacher for approval

Project ownership requires monetary contribution of \$30.

Requirements Met:	WHS Technology (Applied Science) <u>OR</u> VAPA	UC/CSU APPROVED “F”
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Graphic Communication II builds on skills learned in Graphic Communications I by emphasizing skill development in desktop publishing, graphic design, and professional printing. Students will continue to explore the design process and find creative visual solutions while having the opportunity to design actual client-based projects for campus programs such as athletics, VAPA, student events/activities, and technology. Students will gain an understanding of the processes and systems common to careers in Graphic Design, Print, Advertising, and Marketing. Emphasis is placed on idea generation, techniques for inspiration, communicating individual creative processes, and evaluation of design (your work and others) for audience, meaning, and effectiveness. Students will also begin to create an online portfolio of their work to showcase their continued learning as they grow individually as designers. Software training includes advanced techniques in Photoshop, Illustrator, and introduction to InDesign.

GRAPHIC COMMUNICATIONS III

Grade Level: 11-12

Prerequisite: Graphic Communications I and II

Requirements Met:	WHS Technology (Applied Science) <u>OR</u> VAPA	UC/CSU APPROVED “G”
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Graphic Communication III provides students with continued understanding of the processes and systems common to careers in Graphic Design, Print, Advertising, Marketing, and more. This graphic design studio style class incorporates on campus, local business, and community client driven projects, which calls for students to think analytically and problem solving real world projects. Emphasis is placed on continuing to strengthen design concepts, spatial reasoning, effective design composition, professional client communication, evaluation of design (your work and others) for audience, meaning and effectiveness, and continuing to develop a professional portfolio to showcase their continued learning. Students will have the opportunity to develop leadership skills, visit local industry vendors and design studios, and travel to design conferences or workshops to further fuel the growth and interest of a possible career in the Design Industry. Software training includes advanced techniques in Photoshop, Illustrator, and InDesign. Project ownership requires monetary contribution of \$30.

GRAPHIC COMMUNICATIONS IV

Grade Level: 11-12

Prerequisite: Graphic Communications I, II, and III

Requirements Met:	WHS Technology (Applied Science) <u>OR</u> VAPA
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Building on skills learned in Graphic Communications III, Graphic Communications IV strengthens understanding of the processes and systems common to careers in Graphic Design, Print, Advertising, Marketing, and more. This graphic design studio style class incorporates on campus, local business, and community client driven projects which calls for students to think analytically and problem solve real world scenarios. Students have the opportunity to reach out to their own community and seek out a freelance client and apply skills such as: working with a designer, developing and maintain a business relationship, constructing a creative brief, and understanding relationships between cost, quality, and time constraints for design and printed materials within the client’s budget. Students will have the opportunity to develop leadership skills with the possibilities of being the lead designer in small design groups, visit local industry vendors and design studios, and travel to design conferences or workshops to further fuel the growth and interest of a possible career in the Design Industry. Students will continue to develop a professional portfolio to showcase their continued learning to potential clients, employers, or institutions of higher learning. Software training includes advanced techniques in Photoshop, Illustrator, and InDesign. Project ownership requires monetary contribution of \$30.

MEDIA AND DESIGN ARTS

INTRODUCTION TO PUBLICATIONS DESIGN AND MULTIMEDIA

Grade Level: 9 - 10

Prerequisite: None

Requirements Met:	WHS Technology (Applied Science)	UC/CSU Approved “F”
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Students in this foundational class will explore all aspects of modern media production and design. Students will master basic design skills for print, social media and web using a variety of current software. In addition, students will work in teams using critical thinking skills to conceive, develop, report and produce projects on a variety of topics. The work is largely project-based, requiring both independent work and group management skills for success — a critical career skill in an ever-evolving work environment. Formats explored will be modern multimedia and social media for storytelling, which includes photography and video, preparation for web production and print readiness for magazine and yearbook. This Career and Technical Education (CTE) course will prepare students for a future in the nationally award-winning Whitney High Student Media program as well as begin to establish career skills in the Arts and Media Entertainment fields.

PHOTOJOURNALISM I, PHOTOJOURNALISM 1 HONORS

Grade Level: 9-12

Prerequisite: Introduction to publications design and multimedia

Requirements Met:	WHS Technology <u>OR</u> VAPA	UC/CSU Approved "F"
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Working with a wide variety of cameras, smartphones and digital editing software, students will have a chance to tell stories through digital photography as well as learn how to edit, manipulate and design with images using Photoshop and mobile apps. In addition to basics like composition and exposure, students will explore photo storytelling with smart phones, 360-degree photo/video and other new technologies including virtual reality as they capture life in high school by taking pictures of school activities, portraits, sports and other activities. Some work will be featured locally in the community and on social media as well as published in the yearbook, news magazine and website. Students have a chance to enter a variety of state and national competitions. Participation in this class includes optional trips to national conventions and workshops. Digital cameras and innovative mobile tools are provided for student use. Project ownership requires monetary contribution of \$30.

PHOTOJOURNALISM II/III (ADVANCED PHOTOJOURNALISM)

Grade Level: 10-12

Prerequisite: Introduction to publications design and multimedia , Photojournalism I and teacher approval

Requirements Met:	WHS Technology <u>OR</u> VAPA	UC/CSU Approved "F" (Photojournalism II only)
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In this second and third year of photojournalism, students will extend skills learned previously with a more individualized learning plan. In addition to capturing storytelling photos with a wide range of professional cameras and lenses, advanced students will have the opportunity to explore new technology and creative design opportunities to showcase photos in student media. As leaders in the program, they will serve as mentors to beginning level students and will coordinate special projects including photo shoots with backdrops, strobes, filters and special shoots for athletics and clubs on campus. Experience with online digital media tools, iPads, Photoshop and social media photography is part of this hands-on class. Project ownership requires monetary contribution of \$30.

PUBLICATIONS II

Grade Level: 10-12

Prerequisite: Introduction to publications design and multimedia, Graphic Communications I, Photojournalism I or instructor's waiver by application.

Requirements Met:	WHS Technology	UC/CSU Approved "G"
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In this media production course, advanced publications students are part of Whitney High Student Media. Led by student editors, they produce media for publication by determining its content and design, including the yearbook and magazine as well as a variety of online and multimedia components for digital communication. Students will use cutting-edge graphic design software such as Adobe InDesign and Photoshop and other digital imaging programs to prepare their work for submission to publishing companies. Students will take photographs using a variety of professional-level cameras and apply digital imaging and pre-production skills as well as report, write and design all copy using computers, laptops and iPads throughout this technical and career-prep course. All equipment is provided for student use. Students also gain experience with social media, advertising, marketing, public relations and real-world business skills and have the option to attend trips to national conventions and workshops and earn recognition in state and national student media competitions.

PUBLICATIONS III/IV, PUBLICATIONS PRODUCTION III/IV HONORS

Grade Level: 11-12

Prerequisite: Introduction to publications design and multimedia , Publications II

Requirements Met:	WHS Technology	UC/CSU Approved "G" (Publications III/IV) UC/CSU Approved "F" (Honors)
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Continuing publications students will be expected to fulfill a variety of leadership and management roles as part of Whitney High Student Media. This is a capstone class in which students apply practical skills learned in a leadership role. Students will also be expected to peer coach, edit, plan, and produce student media and school publications as advanced designers, reporters and photographers. The cutting-edge course includes emerging technology, career shadowing opportunities and a wide variety of social media, advertising, marketing and real-world business skills.

MEDIA PRODUCTION MANAGEMENT (TITLE ON TRANSCRIPT: Journalism: Production Management)

Grade Level: 11-12

Prerequisite: Introduction to publications design and multimedia, teacher approval

Requirements Met:	WHS Technology (Applied Science) <u>OR</u> VAPA	UC/CSU APPROVED "G"
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Based on successful media and design work in Whitney High Student Media, students can select this elective to pursue a top media management leadership role with special emphasis on serving as an editor of the yearbook, news magazine or news website. Students will develop a plan and work with a department instructor. The course also provides the opportunity to communicate with and shadow local media professionals such as photographers, graphic designers, press operators, printers and others in the industry to coordinate special projects. Editors and students seeking leadership experience are strongly encouraged to enroll in this course, which also counts as the leadership component requirement in order to earn WHS Distinguished Scholar.

PRODUCTION AND MANAGERIAL ARTS - BROADCASTING

BROADCASTING I (INTRODUCTION TO BROADCAST JOURNALISM AND FILM PRODUCTION)

Grade Level: 9-12

Prerequisite: None

Requirements Met:	WHS Technology <u>OR</u> VAPA	UC/CSU Approved "F"
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This course explores the fascinating world of digital video and television production. Students learn on professional equipment in a modern digital TV studio. They also gain experience with industry standard video editing software. Students work in collaborative teams to produce projects using cameras, while learning the basics of studio and field production, lighting and sound. Special emphasis is placed on creativity and the writing process. In the first semester, students study film production to create a commercial, public service announcement, and a short film. In the second semester, they study and practice the elements of broadcast journalism with an emphasis in news gathering, writing, and editing, to create a reporter news package and a sports highlight package. By the end of the school year, students write, produce, and direct a 30-minute news magazine show for cable access that includes their commercials and reporter stories. This class also provides solid foundation knowledge for students who go on the Communication or Broadcast majors at the university level. All the assignments in this class are aligned with the California Visual and Performing Arts Standards or the California Career Technical Education Model Curriculum Standards.

BROADCASTING II/III/IV (ADVANCED FILM PRODUCTION)

Grade Level: 10-12

Prerequisite: Broadcasting I or with teacher approval and application.

Requirements Met:	WHS Technology <u>OR</u> VAPA	UC/CSU Approved "G" (Broadcasting II) UC/CSU Approved "F" (Broadcasting III)
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This course builds on the film production skills learned in the introduction class. Students in this course produce and direct six video projects a year. They can chose to create a: Commercial, Public Service Announcement; Short Film; Movie Trailer; or Music Video. The projects are entered into several regional and national competitions. Students in the program have earned high school Emmy awards and have placed in national film competitions. Projects are used for the commercial break in our daily television show, Unleashed. In addition to video projects, students learn studio jobs to write, direct, and produce an award-winning daily TV show. Unleashed has won the "Best Daily" show in the country several times. All the assignments in this class are aligned with the California Visual and Performing Arts Standards or the California Career Technical Education Model Curriculum Standards. Also, this is a CTE capstone class that is articulated with local colleges. Students who satisfactorily meet the rigorous requirements of this course may receive college credit upon submission of a student reel for review. Those who achieve competency in this course will be prepared to enter a film or television production course at the college level.

BROADCASTING II/III/IV (ADVANCED BROADCAST JOURNALISM)

Grade Level: 10-12

Prerequisite: Broadcasting I or with teacher approval and application

Requirements Met:	WHS Technology <u>OR</u> VAPA	UC/CSU Approved "G" (Broadcasting II) UC/CSU Approved "F" (Broadcasting III)
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This course builds on the broadcast journalism reporter and photographer skills learned in the introduction class. Students in this course produce six video projects a year. They can chose to create several different types of feature stories, including: Human Interest; Entertainment; News; and Sports. The projects are entered into several regional and national competitions. Students in the program have earned high school Emmy awards and have placed in national feature story and documentary competitions. Projects are used for the feature story segment, in our daily television show, Unleashed. In addition to video projects, students learn studio jobs to write, direct, and produce an award-winning daily TV show. Unleashed has won the "Best Daily" show in the country several times. All the assignments in this class are aligned with the California Visual and Performing Arts Standards or the California Career Technical Education Model Curriculum Standards. Also, this is a CTE capstone class that is articulated with local colleges. Students who satisfactorily meet the rigorous requirements of this course may receive college credit upon submission of a student reel for review. Those who achieve competency in this course will be prepared to enter a broadcast journalism course at the college level.

BROADCASTING II/III/IV (SPORTS BROADCAST JOURNALISM)

Grade Level: 10-12

Prerequisite: Broadcasting I or with teacher approval and application

Requirements Met:	WHS Technology <i>OR</i> VAPA	UC/CSU Approved "G" (Broadcasting II) UC/CSU Approved "F" (Broadcasting III)
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This course builds on the sports journalism reporter and photographer skills learned in the introduction class. Students in this course write and produce six sports highlight packages a year. They attend sporting events, record the games, and interview players and coaches to create highlight stories. Students also produce several live events with play-by-play announcers, color commentary, and sideline reporters. The program is a high school version of ESPN. The projects in this course are entered into several regional and national competitions. Students in the program have earned high school Emmy awards and have placed in national live event and talent reel competitions. The football game coverage has earned "Best Live Event" in the nation several times. Also, the highlight packages are used for the sports segment in our daily television show, Unleashed. In addition to video projects, students learn studio jobs to write, direct, and produce an award-winning daily TV show. Unleashed has won the "Best Daily" show in the country several times. All the assignments in this class are aligned with the California Visual and Performing Arts Standards or the California Career Technical Education Model Curriculum Standards. Also, this is a CTE capstone class that is articulated with local colleges. Students who satisfactorily meet the rigorous requirements of this course may receive college credit upon submission of a student reel for review. Those who achieve competency in this course will be prepared to enter a sports broadcast journalism course at the college level.

SPORTS MEDICINE

SPORTS MEDICINE I

Grade Level: 10-11

Prerequisite: Biology

Requirements Met:	WHS Science Elective
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This course is designed to help students develop a general awareness of health careers and specific preparation for physical therapy and sports medicine occupations. Classroom instruction covers such topics as: medical terminology; human anatomy; emergency procedures; soft tissue and bone injuries; causes, symptoms and management of injuries; nutrition; physical fitness; and career opportunities. In addition to this ongoing classroom instruction, students will rotate through on-the-job training experiences with the athletic trainer, physical education instructors and recreational facility managers. Throughout this course, the students' core academic skills and ability to deal with people will be stressed.

SPORTS MEDICINE II

Grade Level: 11-12

Prerequisite: Sports Medicine I

Requirements Met:	WHS Science Elective
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This course will build on the concepts taught in Sport Medicine I and the student trainers will begin to interact with the athletic teams to carry out their sports medicine training. Furthermore, students will learn to understand kinesiology (how the body moves), understand exercise physiology (how exercise affects the body), understand principles of exercise training (aerobic fitness, muscle strength, flexibility), recommend safe, effective and well-rounded exercise programs, recognize a minor injury and recommend proper treatment, properly fit equipment, identify and properly apply training room management skills, understand and assist in application of treatment for heat and cold, and understand when to use and how to assist with manual treatments. Students will be expected to carry out tasks outside the traditional classroom environment and school day as they receive the opportunity to work with and be the student trainer for a specific sports team.

SPORTS MEDICINE III - **Coming in 2018-2019

Grade Level: 12

Prerequisite: Sports Medicine I and II

Requirements Met:	WHS Science Elective
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Based on successful completion of Sports Medicine I and II, students can select this elective to pursue a top student trainer position with special emphasis on serving as a student trainer at all major athletic events. Students will develop a plan and work with the athletic training staff. The course also provides the opportunity to communicate with and shadow local professionals in the fields of physical therapy and sports medicine to coordinate special projects.

ADDITIONAL CTE PATHWAYS INFORMATION

All CTE students can complete a pathway (3-4 consecutive classes in a program of study) and still easily qualify for admission into an University of California institution or a California State University. Please see the counseling department for exact specifications regarding your schedule, but an example four-year course of study is shown below:

CSU - UC Bound Student				
	9th Grade	10th Grade	11th Grade	12th Grade
1	Language Arts 1	Language Arts 2	Language Arts 3	Language Arts 4
2	Integrated Math 1	Integrated Math 2	Integrated Math 3	Fourth Year of Math
3	Physical Education	Physical Education	Physical Education	VAPA
4	Biology	Chemistry	Physics	Fourth Year of Science
5	Geography	World History	US History	Government/Economics
6	Foreign Language 1	Foreign Language 2	Foreign Language 3	Elective
7	Health	Elective	Elective	Elective
8	CTE 1	CTE 2	CTE 3	CTE 4 (internship)

Completion of a pathway will help students prepare for a variety of avenues upon their graduation from Whitney including, but not limited to: four year college, junior college, trade schools, and career fields. Students completing a CTE pathway will have the opportunity to achieve the following during their tenure at Whitney High School:

- Specific competencies in that area of study
- Earn a program certificate and/or pre-apprenticeship certification
- Develop an industry specific portfolio
- Display a special graduation cord
- Obtain an internship with a local business or on campus department
- Travel to conferences and/or competitions
- Receive college credit (dual enrollment) in some classes
- Establish a professional online presence