

EAST SAN GABRIEL VALLEY REGIONAL OCCUPATIONAL PROGRAM/TECHNICAL CENTER

WALNUT HIGH SCHOOL CTE COURSE DESCRIPTIONS

EDUCATION, CHILD DEVELOPMENT & FAMILY SERVICES SECTOR



AMERICAN SIGN LANGUAGE

Education, Child Development & Family Services Sector

This course is designed to teach students the fundamentals of Sign Language. Emphasis will be placed on conversational skills, careers in interpretation for the deaf, knowledge of deaf culture and understanding the deaf community. Total participation is necessary in order to learn and attain fluency in the language. Activities will include student work in pairs or groups, role playing, skits, songs, and impromptu presentations.

UC A-G Approved

EARLY CHILDHOOD EDUCATION

Education, Child Development & Family Services Sector

This course is designed to provide students with classroom and hands-on training, while assisting teachers in infant, toddler, and preschool programs, elementary schools, and special education programs. Students will be instructed in appropriate practices, creativity, critical thinking, problem solving, career preparation, and employment skills in early/elementary education. Students who successfully achieve the competencies taught in this program may be eligible for advanced placement and/or college credit.

**UC A-G Approved
College Plus**



WALNUT HIGH SCHOOL

CTE COURSE DESCRIPTIONS

PUBLIC SERVICE SECTOR

ADMINISTRATION OF JUSTICE

Public Services Sector

Students are prepared for basic training in the field of law enforcement as well as being trained for employment as security guards in on-site locations. The class is conducted as a law enforcement academy involving physical as well as classroom training. Good reading and writing skills are recommended for optimum success. Students who successfully achieve the competencies taught in this program may be eligible for advanced placement and/or college credit (See pages 27-28).

College Plus

UC A-G Approved



ENGINEERING AND ARCHITECTURE SECTOR



COMPUTER AIDED DRAFTING/DESIGN (CADD)

Engineering and Architecture Sector

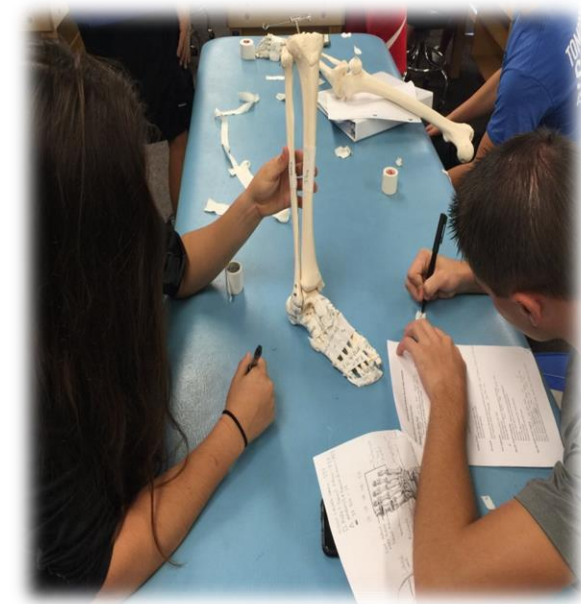
This course is an intensive study in computer graphics utilizing AutoCAD 2000 software. Combined with technical drafting standards, students use CADD to produce 3D graphic models for mechanical and/or architectural components. Upon completion of this program students will have the skills necessary to function as a CADD technician in various disciplines such as mechanical, architectural, civil, or electrical design drafting, as well as 2D/3D illustration and visualization, using the animation component of the software. Students who successfully achieve the competencies taught in this program may be eligible for advanced placement and/or college. Basic computer knowledge preferred.

College Plus

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WALNUT HIGH SCHOOL
CTE COURSE DESCRIPTIONS

HEALTH SCIENCE & MEDICAL TECHNOLOGY SECTOR



SPORTS PHYSICAL THERAPY (ADVANCED)

Health Science & Medical Technology

This course will provide an education that compliments a student's science courses in high school and further prepares them for their college professional courses. This course is designed to broaden the students' knowledge of the field of athletic training, including the vocabulary, theories, principles and skills involved with the rapidly growing field of Sports Physical Therapy. This course will place a special emphasis on the clinical skills and proficiencies necessary to function in the field of athletic training, including but not limited to: creative rehabilitative techniques; therapeutic modalities; prevention, recognition, and care of injuries to the upper extremity, trunk, head and face; injuries to the young athlete; drugs in sports; modern issues in sports medicine. This course completes the classroom preparation of a student wishing to work in the actual sports medicine arena, by working as an athletic training student with the various sports opportunities offered in high school. This course involves outside-of-class time for hands-on practice, homework, and additional time as required working with athletes and athletic teams. The Certified Athletic Trainer is the recognized expert in the prevention, assessment, treatment, and rehabilitation of injuries occurring to individuals of all ages who participate in sports and fitness exercises.

SPORTS PHYSICAL THERAPY

Health Science & Medical Technology Sector

Sports Physical Therapy teaches human anatomy and physiology within the context of sports injuries and medical needs. Students learn how the many systems of the body interact with one another and adapt to the demands placed on the body by sports. Students will participate in teams in multiple laboratory activities in class. In addition, students will spend time outside the classroom learning the prevention, recognition, evaluation and treatment of athletic injuries.

College Plus

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WALNUT HIGH SCHOOL

CTE COURSE DESCRIPTIONS

HEALTH SCIENCE & MEDICAL TECHNOLOGY SECTOR

THERAPEUTIC EXERCISE & REHABILITATION

Health Science & Medical Technology Sector

The Therapeutic Exercise and Rehabilitation course challenges students to recognize the physiological and biomechanical factors involved in orthopedic and athletic injuries, how to establish a proper exercise/rehabilitation program to address such injuries, and understand the importance of record keeping and documentation ensuring all aspects of injuries are addressed. Students have opportunities to observe treatment in the field at sports events, sitting with the players on the bench, and assisting the Physical Therapist on hand as injuries occur. Students have practice sessions in the classroom, being able to explain the physiology of an injury and the best methods for treatment. Instruction also include lectures, demonstration labs, written exams, and hands-on proficiencies.

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Sports Medicine Pathway

Sports Physical Therapy

Advanced Sports Physical Therapy

Therapeutic Exercise and Rehabilitation

WALNUT HIGH SCHOOL

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HEALTH SCIENCE & MEDICAL TECHNOLOGY SECTOR

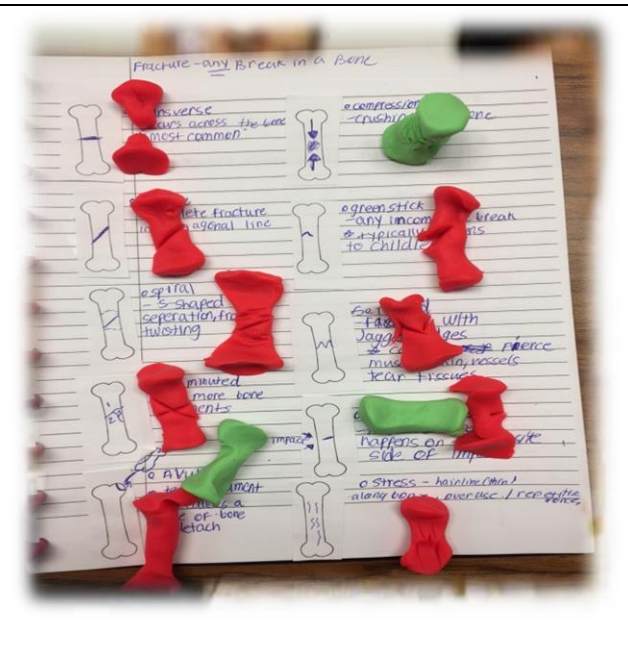
HEALTH CAREERS

Health Science & Medical Technology

Students are taught skills for entry-level employment in health and medical occupations. Instruction will include lecture, demonstration, and hands-on work. Students learn CPR skills, front and back office standards, aseptic procedures, basic first aid, and patient confidentiality.

College Plus

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MEDICAL PATHOLOGY

Health Science & Medical Technology Sector

This course presents the pathophysiology and management of common diseases and other medical disorders or disabilities as they relate to the children, adults, and geriatrics. In this course, students will identify disorders involving cardiovascular, respiratory, gastrointestinal, neurological, musculoskeletal etc. disorders and diseases, as well as systemic and infectious diseases. We will discuss pharmacology, but primarily focus on family practice medicine. This class will focus on topics pertinent to students seeking a career in Nursing and General Medicine

College Plus

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WALNUT HIGH SCHOOL
CTE COURSE DESCRIPTIONS

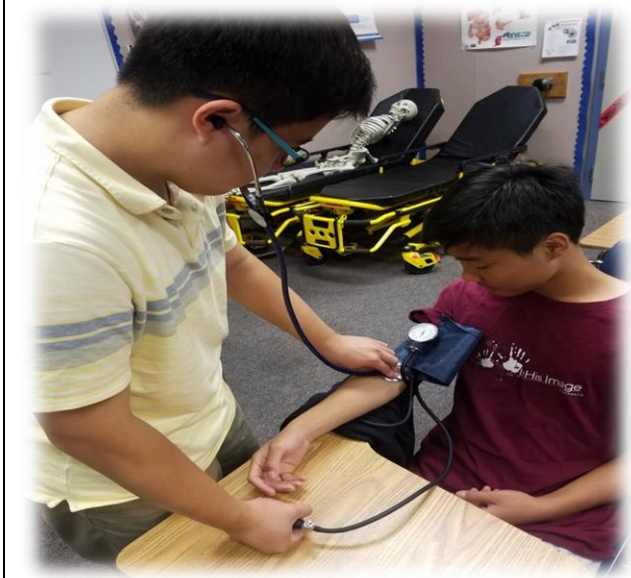
HEALTH SCIENCE & MEDICAL TECHNOLOGY SECTOR

INTRO TO EMERGENCY MEDICAL SERVICES

Health Science & Medical Technology

Students will have an introduction to health team responsibilities regarding emergency calls, evaluation of emergency and appropriate action to prevent future injury.

College Plus



MARKETING, SALES, AND SERVICE SECTOR

MARKETING, SALES & SERVICE

Marketing, Sales, and Service Sector

This course is designed to develop or improve skills related to entrepreneurship, sales, marketing and merchandising. Students master business operations through community classroom experience and supporting instruction. Training includes work in selling, inventory control, cashiering, display, customer service, and advertising.

