



CTE

CAREER TECHNICAL EDUCATION

MISSION

Provide industry-linked programs and services that enable students to reach career goals in order to receive economic self-sufficiency, compete in the global marketplace, & contribute to California's economic prosperity.

TEACHERS

- **MR. RANDY MENDES, AG MECHANICS PATHWAY**
- **MS. SARAH HERDELL**
ORNAMENTAL HORTICULTURE PATHWAY
FLORICULTURE SUB-PATHWAY
- **MRS. JUDITH ASCHWANDEN, AGRISCIENCE PATHWAY**
- **MR. KARL TURNER III**
FOOD SERVICE & HOSPITALITY PATHWAY
- **MR. JOHN HARRINGTON**
SOFTWARE & SYSTEMS DEVELOPMENT PATHWAY
- **MRS. PATTI COYLE, PERFORMING ARTS PATHWAY**

COURSEWORK

Ag Mechanics Pathway

1. Ag Mechanics
2. Computer Aided Design
3. Advanced Ag Mechanics

Ornamental Horticulture Pathway

1. Ornamental Horticulture
2. Viticulture

Floriculture Sub-Pathway

1. Floral Design
2. Advanced Floral Design

Agriscience Pathway

1. Ag Biology
2. Ag Chem. / Honors Ag Chem.
3. Honors Advanced Ag Systems

Food Service & Hospitality Pathway

1. Intro to Culinary
2. Culinary Management

Software & Systems Development Pathway

1. Exploring Computer Science
2. Computer Science Principles

Performing Arts Pathway

1. Drama
2. Theater 154 / 153 (Dual Enrolled Course)

Agricultural Mechanics Pathway

Today's agricultural engineering and power equipment industry uses complex technology that combines fabrication, hydraulic power, electronic controls, and powerful engines. Getting your hands dirty may be necessary, but your knowledge will play a larger role in finding a successful career in agricultural mechanics. Technicians are needed to diagnose, test, and repair equipment. Mechanical skills needed for construction, operation, maintenance and repair of agricultural equipment involving wood, metal, concrete, electrical, plumbing, and welding are all part of an agricultural mechanics career.

Agriscience Pathway

Agriscience is the basis of past and future developments in agriculture. It provides a broad understanding of agricultural knowledge, develops awareness of career opportunities in agriculture, while providing occupationally relevant experiences, cooperative groups learning, and leadership skills. Many agricultural scientists work in basic or applied research and development. All agriculture related careers benefit from knowledge and experience in the Agriscience Pathway.

Ornamental Horticulture Pathway

What is the difference between a weed and a flower? They say it is all in the eye of the beholder! Ornamental horticulture workers are involved in the development, production, and maintenance of nursery, landscaping, and floral industry related products. Necessary knowledge of related areas include plant identification, plant physiology, soil science, plant reproduction, as well as landscaping design, installation, and maintenance.

Food Service & Hospitality Pathway

The paths in the Food Service and Hospitality Pathway prepare students for a wide range of careers in restaurants, hotels, clubs, schools, resorts, hospitals, and institutions. The pathway focuses on key aspects of the industry including sanitation and safe food handling, food and beverage production, nutrition, food service management, and customer service. A self-motivated person might also take these skills and open a catering or food service business.

Careers/Career Areas:

- Equipment Fabricators
- Irrigation Engineer
- Equipment Operators
- Land Leveling
- Welding/Metal Fabrication
- Power System Mechanics
- Irrigation System Designers
- Precision Farming Technician
- Welding/ Metal Fabrication
- Trouble Shooting

Careers/Career Areas:

- Enology
- Ag Chemicals
- Plant Propagation
- Plant/Animal Genetics
- Agriculture Pest Mngmt.
- Hydraulic Engineers
- Food Processing
- Production Management
- Biotechnology

Careers/Career Areas:

- Floriculture
- Landscape Design
- Tree Trimming
- Entomologists
- Plant Curators
- Floral Designers
- Nursery Production
- Greenhouse Work
- Landscaping & Grounds
- Golf Course & Park Mngmt.
- Plant & Turf Prop. & Sales
- Retail Nursery Work

Careers/Career Areas:

- Line Cooks
- Sous/Executive Chefs
- Food Stylists
- Pastry Chefs
- Bakers
- Caterers
- Wait Staff
- Food Service Directors
- Food Designers
- Food Expeditors

Performing Arts Pathway

The Performing Arts Pathway includes occupations that involve the direct creation of art and entertainment by the individual artist. The performing artists are the means of creative expression, without a dependence on an outside medium.

- Actor
- Announcer
- Radio / TV Broadcaster
- Music Dir. / Conductor
- Dancer
- Voice-Over Artist
- Fashion Model
- Entertainer
- Musician
- Film Composer
- Stunt Double
- Composer
- Choreographer

Software & Systems Development Pathway

Students in the Software and Systems Development pathway prepare for careers related to computer science that involve the design, development, implementation, maintenance, and management of systems that rely on software programs to satisfy the operational needs of modern business organizations. Persons with expertise in systems development and programming are critical to support operations like electronic commerce, medical records management, retail sales and inventory management, digital entertainment, and use of energy.

Entry Level (w/ HS diploma)

- Programmer
- Software Applications Support
- Software Technician

Technical Level (AA or AS deg/cert.)

- Programmer
- Software Applications Reporting
- Software Documentation Spec.

Professional Level (BS or Higher)

- Chief Software Architect
- Software / Hardware Engineer
- Manager of Software Develop.
- Operating Systems Designer