

PATHWAYS TO SUCCESS
DISCOVER YOUR FUTURE IN CAREER & TECHNICAL EDUCATION

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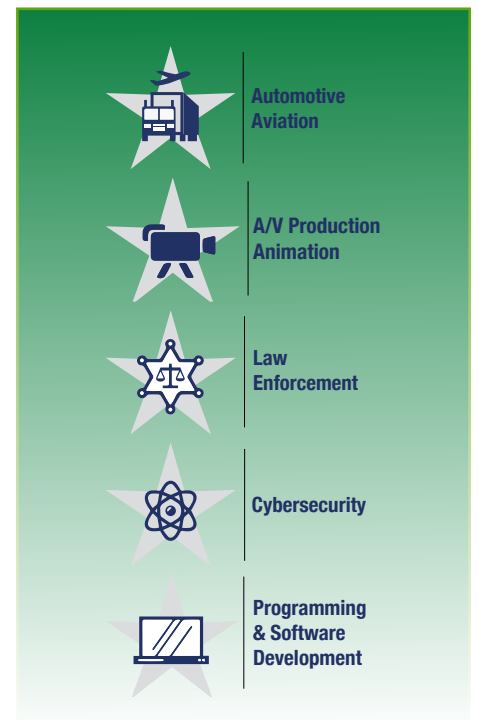
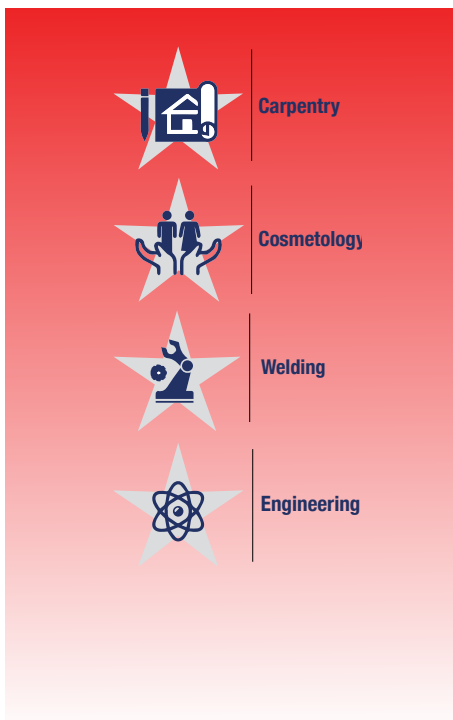
Edgewood ISD provides all students the opportunity to enroll in Career & Technical Education (CTE) courses that are meaningful, relevant, and aligned with challenging academic standards as well as real world industry careers.

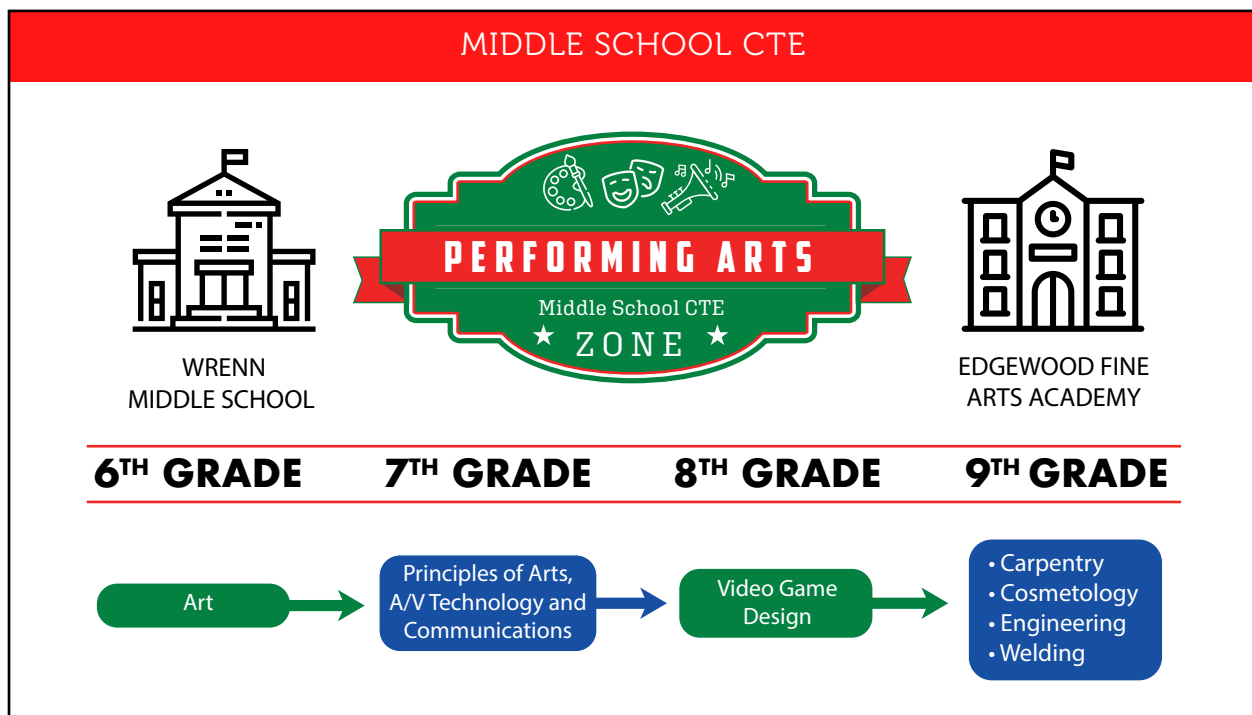
Our Career and Technical Education programs are committed to preparing students to succeed in the 21st Century and in making seamless transitions to continuing their education and careers. Edgewood ISD's Career & Technical Education courses are organized into career clusters that provide scholars with hands on learning experiences and opportunities to earn industry certifications.

EISD currently offers students opportunities to learn about careers in career clusters that include Architecture & Construction, Arts, Audio/Video Technology, & Communications, Business, Marketing, & Finance, Education & Training, Health Science, Hospitality & Tourism, Human Services, Law & Public Service, Manufacturing, Science, Technology, Engineering, & Mathematics, and Transportation, Distribution, & Logistics.

Students have extended learning opportunities through Career and Technical Student Organizations (CTSO) that provide further opportunities for leadership and citizenship development through projects and competitions.

PROGRAMS OF STUDY







CARPENTRY

ENDORSEMENT: BUSINESS & INDUSTRY

Certifications Offered: NCCER-Core, NCCER-Carpentry

The Carpentry program of study explores the occupations and educational opportunities related to constructing, installing, or repairing structures and fixtures made of wood, such as concrete forms (including frameworks, partitions, joists, studding, rafters, and stairways). This program of study may also include exploration into installing, dismantling, or moving machinery and heavy equipment according to layout plans, blueprints, or other drawings.

- Principles of Construction
- Construction Technology I
- Construction Technology II
- Practicum in Construction Technology



COSMETOLOGY

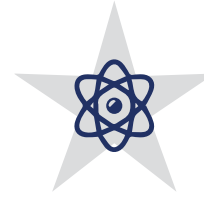
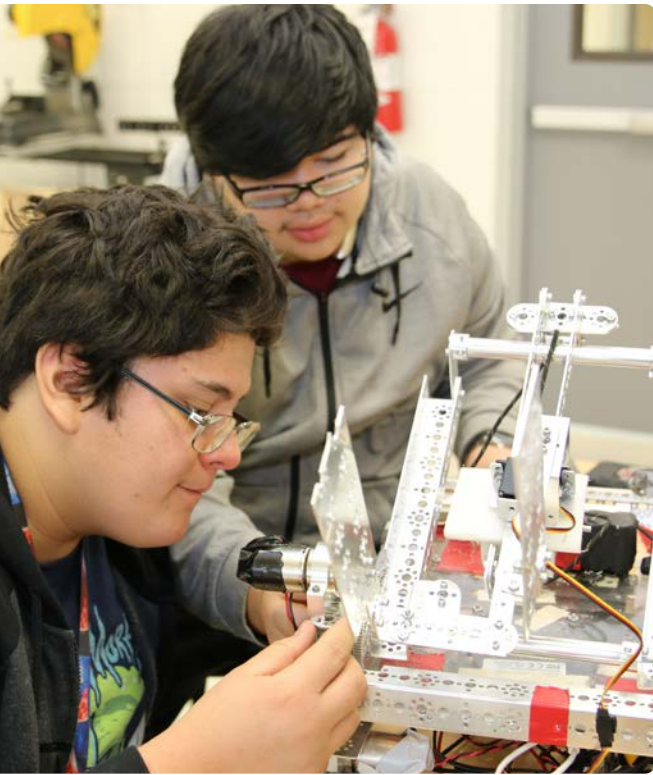
ENDORSEMENT: PUBLIC SERVICE

Certifications Offered: Cosmetology Operator License

The Cosmetology and Personal Care Services program of study introduces CTE learners to knowledge and skills related to providing beauty and personal care services. CTE concentrators may learn about or practice managing personal care facilities and coordinating or supervising personal service workers.

- Principles of Cosmetology
- Introduction to Cosmetology
- Cosmetology I
- Cosmetology II





ENGINEERING

ENDORSEMENT: STEM

Certification: Solid Works

The Engineering program of study focuses on the design, development, and use of engines, machines, and structures. CTE learners will learn how to apply science, mathematical methods, and empirical evidence to the innovation, design, construction, operation, and maintenance of different manufacturing systems.

- Introduction to Engineering Design
- Engineering Design and Presentation I
- Computer Integrated Manufacturing and Robotics
- Practicum in STEM



WELDING

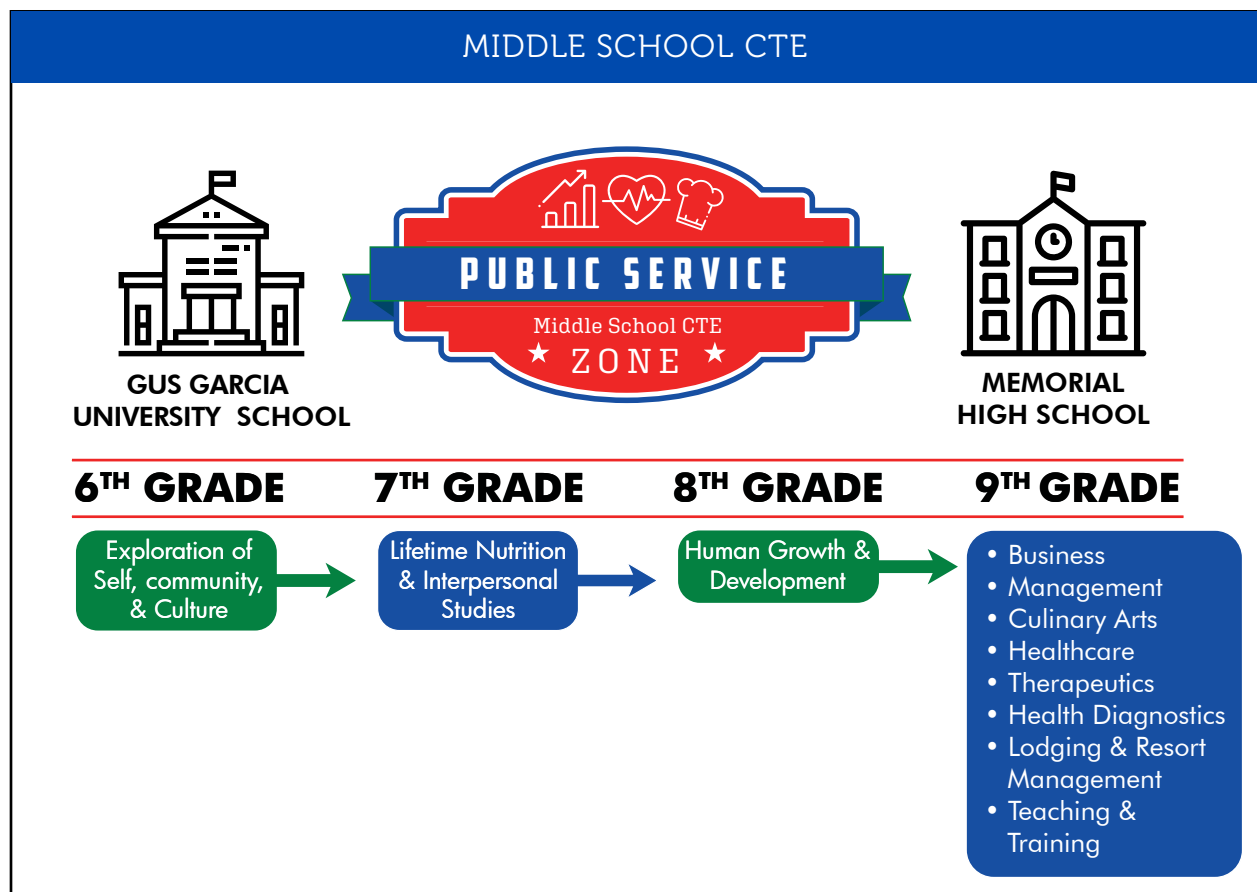
ENDORSEMENT: BUSINESS & INDUSTRY

Certifications Offered: AWS D9.1/D1.1

The Welding program of study focuses on the development and use of automatic and computer-controlled machines, tools, and robots that perform work on metal or plastic. CTE learners will learn how to modify parts to make or repair machine tools or maintain individual machines, and how to use hand-welding or flame-cutting equipment.

- Introduction to Welding
- Welding I
- Welding II
- Practicum in Manufacturing







BUSINESS MANAGEMENT

ENDORSEMENT: BUSINESS & INDUSTRY

Certifications Offered: Microsoft Office Specialist (MOS): Word



The Business Management program of study teaches CTE learners how to plan, direct, and coordinate the administrative services and operations of an organization. Through this program of study, students will learn the skills necessary to formulate policies, manage daily operations, and allocate the use of materials and human resources. This program of study will also introduce students to mathematical modeling tools and organizational evaluation methods.

- Principles of Business, Marketing, and Finance
- Business Management
- Human Resources Management & Global Business
- Practicum in Business Management



CULINARY ARTS

The Culinary Arts program of study introduces CTE learners to occupations and educational opportunities related to the planning, directing, or coordinating activities of a food and beverage organization or department. This program of study also explores opportunities involved in directing and participating in the preparation and cooking of food.

- Principles of Hospitality and Tourism
- Culinary Arts
- Advanced Culinary Arts
- Practicum in Culinary Arts





HEALTH THERAPEUTIC

ENDORSEMENT: PUBLIC SERVICE

Certifications Offered: PCT-Patient Care Technician

Healthcare Therapeutic program of study introduces students to occupations and educational opportunities related to diagnosing and treating acute, episodic, or chronic illness independently or as part of a healthcare team. This program of study also includes an introduction to the opportunities associated with providing treatment and counsel to patients as well as rehabilitative programs that help build or restore daily living skills to persons with disabilities or developmental delays.

- Principles of Health Science
- Medical Terminology
- Health Science Theory and Health Science Clinical
- Practicum in Health Science I



FOCUS:

To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, and communicate effectively.



HEALTHCARE DIAGNOSTICS

ENDORSEMENT: PUBLIC SERVICE

Certifications Offered: EKG-CET Technician and Phlebotomy

The Healthcare Diagnostics program of study introduces students to occupations and education opportunities related to performing complex medical laboratory tests for the diagnosis, treatment, and prevention of disease. This program of study may also include exploration into the opportunities associated with blood laboratories as well as radiologic technology and ultrasound technology.

- Principles of Health Science
- Medical Terminology
- Health Science Theory and Health Science Clinical
- Practicum in Health Science





LODGING & RESORT MANAGEMENT

ENDORSEMENT: BUSINESS & INDUSTRY

Certifications Offered: Certified Hospitality & Tourism Management Professional (AHLEI)

The Lodging and Resort Management program of study introduces CTE learners to occupations and educational opportunities related to the logistical and operational management of lodging and resorts. This program of study also explores opportunities related to human resources, financial analysis, and marketing.

- Principles of Hospitality and Tourism
- Travel and Tourism Management
- Hospitality Services
- Practicum in Hospitality Service



TEACHING AND TRAINING

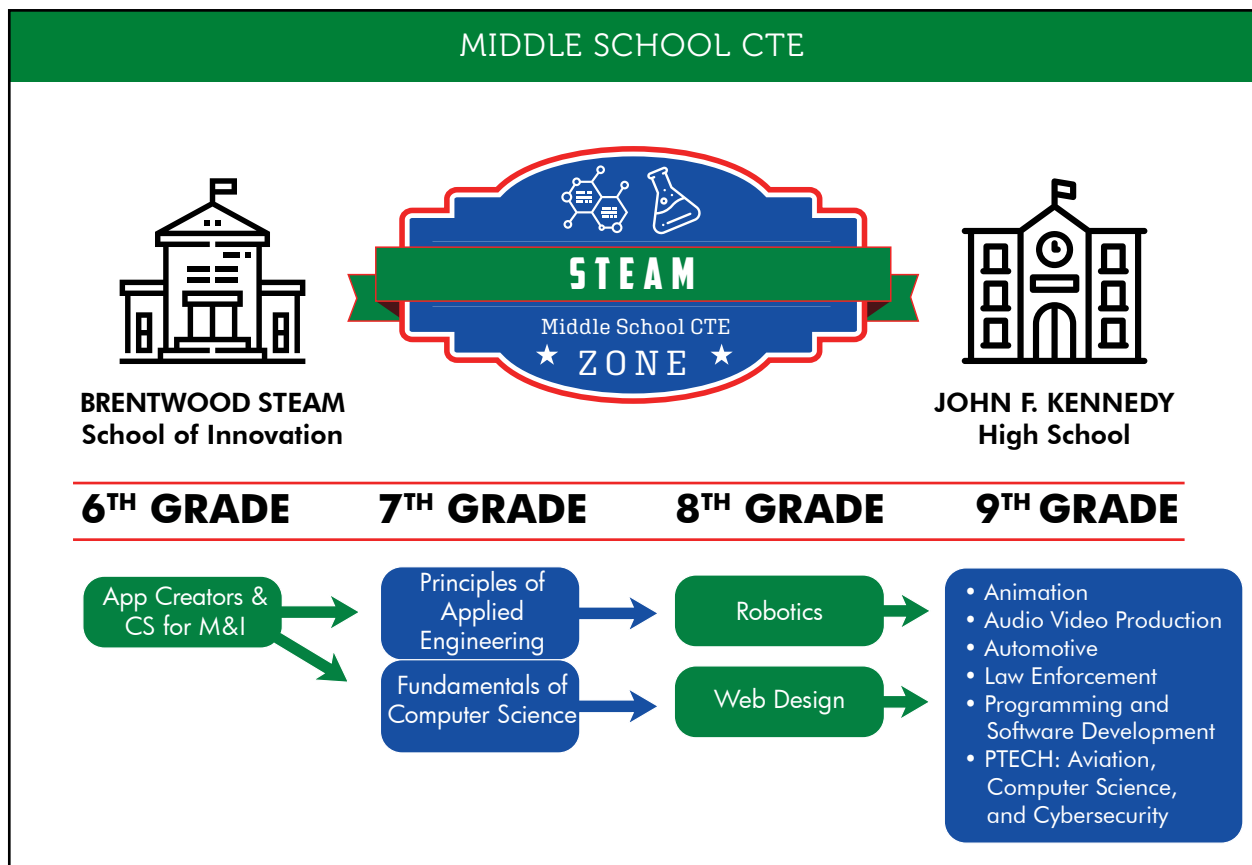
ENDORSEMENT: PUBLIC SERVICE

Certifications Offered: Educational Aid I

The Teaching and Training program of study prepares CTE learners for careers related to teaching, instruction, and creation of instructional and enrichment materials. The program of study introduces CTE learners to a wide variety of student groups and their corresponding needs. It familiarizes them with the processes for developing curriculum, coordinating educational content, and coaching groups and individuals.

- Principles of Education and Training
- Communication and Technology in Education
- Instructional Practices
- Practicum in Education and Training







AUDIO VIDEO PRODUCTION

ENDORSEMENT: BUSINESS & INDUSTRY

Certifications Offered: Adobe Photoshop, Adobe Premier

The Digital Communications program of study explores the occupations and educational opportunities associated with the production of audio and visual media formats for various purposes, such as TV broadcasts, advertising, video production, or motion pictures. This program of study may also include exploration into operating machines and equipment to record sound and images, such as microphones, sound speakers, video screens, projectors, video monitors, sound and mixing boards, and related electronic equipment.

- Principles of Arts, A/V Technology, and Communications
- A/V Production I
- A/V Production II
- Practicum in A/V Production



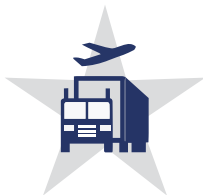
ANIMATION

ENDORSEMENT: BUSINESS & INDUSTRY

Certifications Offered: Adobe Photoshop, Adobe Animate

The Design and Multimedia Arts program of study explores the occupations and educational opportunities associated with designing or creating graphics to meet specific commercial or promotional needs, such as packaging, displays, or logos. This program of study may also include exploration into designing clothing and accessories, and creating special effects, animation, or other visual images using film, video, computers, or other electronic tools and media, for use in computer games, movies, music videos, and commercials.

- Principles of Arts, A/V Technology, and Communications
- Animation I and Video Game Design
- Animation II
- Practicum in Animation



AUTOMOTIVE

ENDORSEMENT: BUSINESS & INDUSTRY

Certifications Offered: ASE Entry Level

The Automotive program of study teaches CTE learners how to repair and refinish automobiles and service various types of vehicles. CTE learners may learn to collect payment for services or supplies and perform typical vehicle maintenance procedures such as lubrication, oil changes, installation of antifreeze, or replacement of accessories like wiper blades or tires.

- Automotive Basics
- Automotive Technology I: Maintenance and Light Repair
- Automotive Technology II: Automotive Service
- Practicum in Transportation Systems



LAW ENFORCEMENT

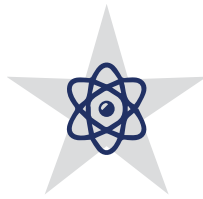
ENDORSEMENT: PUBLIC SERVICE

*Certifications Offered: Non-Commissioned
Security Officer Level II*

The Law Enforcement program of study teaches CTE learners about the development of, adherence to, and protection of various branches of law. Students will learn how to appropriately and legally respond to breaches in the law according to statutory rules and regulations as well as investigate how and why the breaches occurred.

- Principles of Law, Public Service, corrections and Security
- Law Enforcement I
- Law Enforcement II
- Practicum in Law, Public Safety, Corrections and Security





PROGRAMING & SOFTWARE DEVELOPMENT

ENDORSEMENT: STEM

Certification: Microsoft Technology Associate



The Programming and Software Development program of study explores the occupations and education opportunities associated with researching, designing, developing, and testing operating systems-level software, compilers, and network distribution software for medical, industrial, military, communications, aerospace, business, scientific, and general computer applications. This program of study may also include exploration into creating, modifying, and testing the codes, forms, and script that allow computer applications to run.

- Fundamentals of Computer Science
- Computer Science I
- Computer Science II
- Computer Science III

P-TECH AT JFK HIGH SCHOOL



AIRCRAFT AIRFRAME TECHNICIAN, A.A.S.

Aircraft Structures Mechanic,
Level I Certificate
Aircraft Mechanic Airframe,
Level II Certificate



CYBER DEFENSE & OPERATIONS, A.A.S.

Cyber & Digital Forensics,
Level I Certificate
Cyber Defense & Operations,
Level II Certificate



COMPUTER SCIENCE, A.S.

Microsoft Technology Associate,
Industry Certification



ALAMO ACADEMIES



**AEROSPACE
ACADEMY**

- 2-Year Program of Studies
- 30+ Hours College Dual Credit
- Paid Summer Internship
- Multiple Industry Certifications
- Class at Alamo Colleges
- Equal to \$12,000 Scholarship



**DIESEL TECHNOLOGY
ACADEMY**



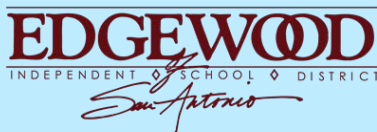
**ADVANCED TECHNOLOGY &
MANUFACTURING
ACADEMY**



**INFORMATION TECHNOLOGY &
SECURITY
ACADEMY**



**HEALTH PROFESSIONS
ACADEMY**



Notification of Non-Discrimination:

It is the policy of the Edgewood Independent School District not to discriminate on the basis of race, color, national origin, gender, handicap, or age in its employment practices, educational programs, services or activities, as required by law.