

The CTEC is a state-of-the-art facility with real-world learning spaces and equipment that offers 20+ Programs of Study for students in grades 10-12.

Agriculture, Food, and Natural Resources - Horticulture and Landscape Design/Floral Design—Animal Science—Agriculture Mechanical Systems ~ Students interested in landscape design, construction, and landscape maintenance as well as floral arrangements and tropical/blooming plants will benefit from the horticulture programs. Basic horticulture principals and techniques are included. Example Careers: Arborist, Plant Physiologist, Agronomist, Farmer, Forester, Geotechnician, Irrigation Specialist, Golf Course superintendent. Love animals? This is a pathway program where students learn animal handling, health & safety, sanitation, surgical preparation, medical terminology, infectious diseases, and more. Excellent preparation for those interested in veterinary medicine. Example Careers: Veterinarian, Vet Tech, Guide Dog Trainer, Groomer. Students who are interested in learning the concepts and skills needed for agricultural mechanics will benefit from this program. Soil & water conservation, electrification, concrete & masonry construction, building planning & construction, small engine & agricultural equipment maintenance & repair, and oxyfuel & electric cutting & welding are learned during this course of study. Example Careers: Drilling Engineer, Welder, Crane Operator.

Architecture and Construction ~ Using the latest software, this program is for students interested in designing, planning, building, and working on exciting architectural projects. Problem solving skills are learned using a design development process. Example Careers: Building Demolition Expert, Construction Project Manager, Golf Course Designer, Architect.

Arts, A/V Technology & Communications~ This program is for students interested in broadcasting and media technology. Students will plan, produce, present, and evaluate media messages in a full functioning broadcast studio. Example Careers: News Anchor, Disc Jockey, Film Editor, Correspondent, TV Producer, Acoustical Engineer.

Business Management & Administration ~ Marketing ~ These programs will benefit students wishing to pursue careers in business, marketing, and/or human services. Students in these programs work part time for high school credit. Example Careers: Data Entry Clerk, Human Resources Manager, Secretary, Office Manager, Sports Manager, Fashion Buyer, Grocer, Model, Pharmaceutical Sales Representative, Counselor, Cosmetologist, Minister.

Education & Training ~ This program of study is for students interested in becoming teachers. The focus is on working with children from birth to seniors in high school. Students in either of these programs will teach part of the day. Examples Careers: Elementary Teacher, Day Care Worker, Camp Director, Tutor, Teachers Aide.

Finance ~ This program is for students interested in all aspects of banking and finance. Example Careers: Accountant, Actuary, Credit Counselor, Financial Planner, Insurance Agent, Fund Manager.

Health Science ~ These programs are for students interested in studying medicine. Students will develop the advanced clinical skills necessary for employment in the health care industry and gain valuable knowledge towards higher education in medicine. Example Careers: Pharmacist, Pediatric Nurse, Oncologist, Dentist, Medical Sonographer, Certified Nurses Assistant.

Hospitality & Tourism ~ Students interested in culinary service and/or hospitality will benefit from this program. **Culinary Arts** includes instruction in operations & management of quality food production, food preparations & presenta-

tion, and service techniques. These students run *Studio 08* and *Deli 08*. The **Hospitality** programs include skills in the management of hotels, lodgings, conventions industry, and restaurants. Example careers: Chef, Bed & Breakfast Operator/Owner, Event Coordinator.

Human Services ~ This program of study is for students interested in working in the Social Services, counseling, and family programs.

Information Technology ~ This program is for students interested in the advertising industry, animation, computer maintenance & programming, video game design, and website design. Students in these courses use image editing and vector graphic software as well as digital photography. Basic principles of marketing and entrepreneurship are included. They also use computer programming and software engineering. CISCO certification is possible within this pathway. Examples Careers: Graphic Designer, Magazine Editor, Sign Maker, Website Designer, CISCO Technician, software Engineer, Cyber Detective, Video Game Designer.

Law, Public Safety, Corrections, and Security ~ These programs are for students interested in law, corrections, investigations, and security services. Students may follow pathways focused on courts and lawyers, private investigations and security services, or police and corrections fields. Example Careers: Lawyer, Judge, Arson Investigator, CSI Investigator, Corrections Officer, Court Reporter.

Science, Technology, Engineering and Mathematics (STEM) ~ This program is for students interested in designing, planning, building, and working on exciting engineering projects. These programs teach problem-solving skills using a design development process. Example Careers: Aerospace Engineer, Civil Engineer, Electrician, Building Inspector.

Building Information

- Student population - Serving 1,700 students (and growing) in grades 9-12.
- Studio 08 and Deli 08 - Student run, fully operational restaurant and deli (with outdoor dining) - Open to the public.
- Texans Credit Union - Student Tellers - Open to the public.
- The Spot - Spirit wear, school supplies, and snacks for students and the public to purchase. - Student run and open to the public.
- HDTV Studio
- Courtroom
- Career Center - Career Counseling Center available for all FISD students.
- Apple and PC Computer Testing Labs
- 4,000 Square Foot Greenhouse
- Working Welding and Metal Workshop
- Hospital Bays
- Large Animal Corral
- Outdoor jogging Trail



Programs of Study

*"A goal without a plan is just a wish."
~ Antoine deSaint*

Career and Technical Education Center

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Mission: The mission of Career & Technical Education is to prepare students to succeed in high demand occupations within the 21st century's competitive global economy.