

Career and Technical Education Board Report – December 2021

CTE Goals:

- Explore career interest and plan for postsecondary and career opportunities through work-based learning experiences
- To increase the number and types of industry certification and training opportunities available for BISD students and CTE teachers
- To provide additional dual enrollment (college credit) opportunities for students in high school
- To encourage and support participation in Career and Technical Student Organizations (CTSO's) in all program areas such as FFA, SkillsUSA, HOSA, TAFE, and FCCLA where students participate in leadership and develop life-long skills such as interpersonal relationships, teamwork, setting and achieving goals as well as competing in contests where they apply what they have learned in their respective CTE courses in real-world scenarios

Brownwood ISD's CTE programs offer a sequence of courses that provide students with coherent and rigorous content. This content is aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in current or emerging professions. It affords students the opportunity to train for high skill, high wage, and high demand careers. CTE programs also prepare students to be successful in a rapidly changing workforce and equip them to make informed decisions about future college and career pathways.

We are beginning the second year of the Strengthening Career and Technical Education for the 21st Century Act (Perkins V). This new law includes several changes and additions relevant for educators, postsecondary institutions, employers, workforce development boards, community-based organizations, and others who serve historically underserved students in secondary and postsecondary education. BISD has developed strong partnerships with local institutions and industries such as TSTC, Ranger College, Kohler, and 3M. These local stakeholders' input will be invaluable when making decisions regarding local funding and program implementation.

Brownwood ISD has seen significant growth in many areas of its CTE program, with still more room for improvement in others. Currently, there are 853 students enrolled in the CTE courses at BHS.

Courses	2021
Audio/Video	58
Business and Finance	45
Business English	12
Computer Science	106
Education	62
Career Prep	39
Health Science	202
Photo/Graphic Design	56
Anatomy/Patho	98
Principles of Technology	71
Welding	104
Automotive	57
Agriculture	201
Architecture	86
Culinary	86
Lifetime Nutrition	93
Personal Finance	14
Professional Communications	99
TOTAL (S)	853

CTE offers students opportunities to earn valued industry certifications and develop a multitude of skills while experiencing a rigorous curriculum with real world opportunities. **See Attached Endorsement/Certification Sheet*

Some of the CTE courses offered include Graphic Design 2, Audio Video Production 2, Business Information Management, and Pathophysiology. In Graphic Design 2, students work on project-based assignments and create content that advances their photoshop knowledge. Students in Graphic Design 2 will take the Adobe Certification Associate in Photoshop for certification. Audio Video Production 2 is a class intended to prepare students for careers in audio/video production. The course advances technical skills in utilizing industry equipment related to lighting, audio, and writing involved in planning presentations. These students will take the Adobe Premiere Pro certification exam. In Business Information Management, the students will focus on the Microsoft Office package and will challenge the Microsoft certification exam. Pathophysiology can be used as a 4th science and it is also a level 4 endorsement in STEM and Public Service/Healthcare.

During the 2020-2021 school year, six students achieved their FAA Commercial Remote Pilot's license. This school year (2021-2022), we have seventeen students that are eligible for examination and certification. This program is a partnership with Ranger College and the Brownwood MDD. Students will train hands-on with drones. This program of study is also a dual credit course in which students can earn 3 elective hours of college credit from Ranger College.

BISD is in the third year of a program teaming with Workforce Solutions of West Central Texas. The program began at the High School in 2019 and now includes the Middle School since 2020. Twice monthly, an assigned Workforce Career & Education Outreach Specialist works primarily with 10th grade students and teachers. These meetings include general discussions about local career opportunities as well as job market demands and growth trends. This program also includes individual sessions with students to discuss personalized career planning. Each year Workforce Solutions sponsors "WOW" (World of Work) expo. This year, due to health restrictions, the expo was conducted virtually. Mrs. Deen, BHS Health Science Teacher, was a panelist participant this year for the World of Work expo.

CTSO's (Career and Technical Student Organizations)

CTE students are afforded the opportunity to join Career and Technical Student Organizations (**CTSOs**) such as FFA, SkillsUSA, HOSA, TAFE, and FCCLA where students participate in leadership and develop life-long skills such as interpersonal relationships, teamwork, setting and achieving goals as well as competing in contests where they apply what they have learned in their respective CTE courses in real-world scenarios.

Benefits of CTSO's include:

- Provides a hand-on approach to learning
- Refines career objectives through realistic experiences
- Promotes awareness of new career opportunities
- Develops skills and responsibilities for being a role model and mentor
- Cultivates social development and awareness
- Develops a sense of community and volunteerism
- Develops an appreciation and understanding for cultural diversity
- Improves communication and decision-making skills
- Provides for personal development
- Develops interpersonal and leadership skills
- Develops responsibility and self-confidence
- Provides opportunities for recognition

HOSA (Health Occupations Students of America)

HOSA students are forming a blood drive to help with the shortage of blood after COVID. They have been helping the community through organizations like Good Samaritan, Toys for Kids, and Salvation Army. They are preparing for District testing and will know who advances on December 3rd. BHS currently has one student running for a State office and two running for Area office. The 2020-2021 was the 10th consecutive year for HOSA to advance to the International Competition.

FFA (Future Farmers of America)

FFA recently competed at the Cross Timbers Leadership Development Event: Ag Issues 1st place, Spanish Creed 3rd place, Ag Advocacy 2nd place, Radio Broadcasting 3rd place, Public Relations 4th place, and Senior Quiz Team 1st place. These are just a few of the accomplishments for this organization. With our local Chapter Show on December 11th and the Brown County Youth Fair right around the corner beginning January 10th, these students are continuously working with their projects, may it be an animal or home economics project, it takes dedication and responsibility.

TAFE - Education & Training: Educational Internship program

The BHS Educational Training Program includes field-based internships that provide students background knowledge of child and adolescent development principles as well as principles of effective teaching and training practices. Students work in direct instructional roles with elementary-aged students while under the joint direction and supervision of both a supervising teacher and mentor educators. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, assist with record keeping, and complete other responsibilities of classroom teachers, trainers, paraprofessionals, or other educational personnel. In 2021-2022, we have 26 Interns working with mentor teachers in PreK-6 classrooms throughout the district. Each internship rotation lasts 9 weeks, so each intern will get to experience 3 different grade levels and subjects.

This year we have added "Endorsement Interviews" with 8th-grade students at BMS. In December and again in February, our interns will visit the College and Career Readiness classes to work 1-on-1 with students to chat with them about their high school endorsement and career pathway and help them begin their 4-year plan.

Along with all these first-hand educational experiences, all students in the Education & Training will complete the annual educator trainings required by the State of Texas and will earn their certifications in CPR/First Aid.

At the TAFE Area Conference in November, the team of Lyric Shaw and Natalie Mares qualified for the TAFE State Contest with their project showcasing the BHS Educational Internship program.



BITS (Brownwood Industry Trade Show)

To showcase our kids' success to local industries and the community, we will continue BITS (Brownwood Industry Trade Show). BITS will be scheduled in February (tentatively set for February 21st) and will be an excellent opportunity for Brownwood High School and the CTE Department to showcase to local industries and the community the many technical opportunities and certifications that are offered at Brownwood ISD – the district of choice.