

**Fall 2021
Board Report**

Kevin Ross

Director of Career and
Technical Education



CTE in CSISD Overview

- Description of Program
 - Program Scope
 - Budget
 - Staffing
- Major Goals/Activities of the Program
- Performance Data
- Program Challenges
- Needs, Changes, or Growth for Program

CTE Then



CTE Now



CTE | CAREER
TECHNICAL
EDUCATION

Career Technical Education in CSISD

91 Courses - 22 Programs of Study - 13 Different Clusters

**Architecture &
Construction**

Education & Training

Health Sciences

**Information
Technology**

**Agriculture, Food &
Natural Resources**

**Law, Public Safety,
Corrections &
Security**

**Business
Management,
Finance &
Administration**

**Science,
Technology,
Engineering &
Mathematics (STEM)**

Human Services

**Hospitality &
Tourisms**

**Transportation,
Distribution &
Logistics**

**Arts, A/V
Technology, &
Communication**

Manufacturing

Description of the Program





Major Activities

Performance Data

Challenges

Needs/Growth

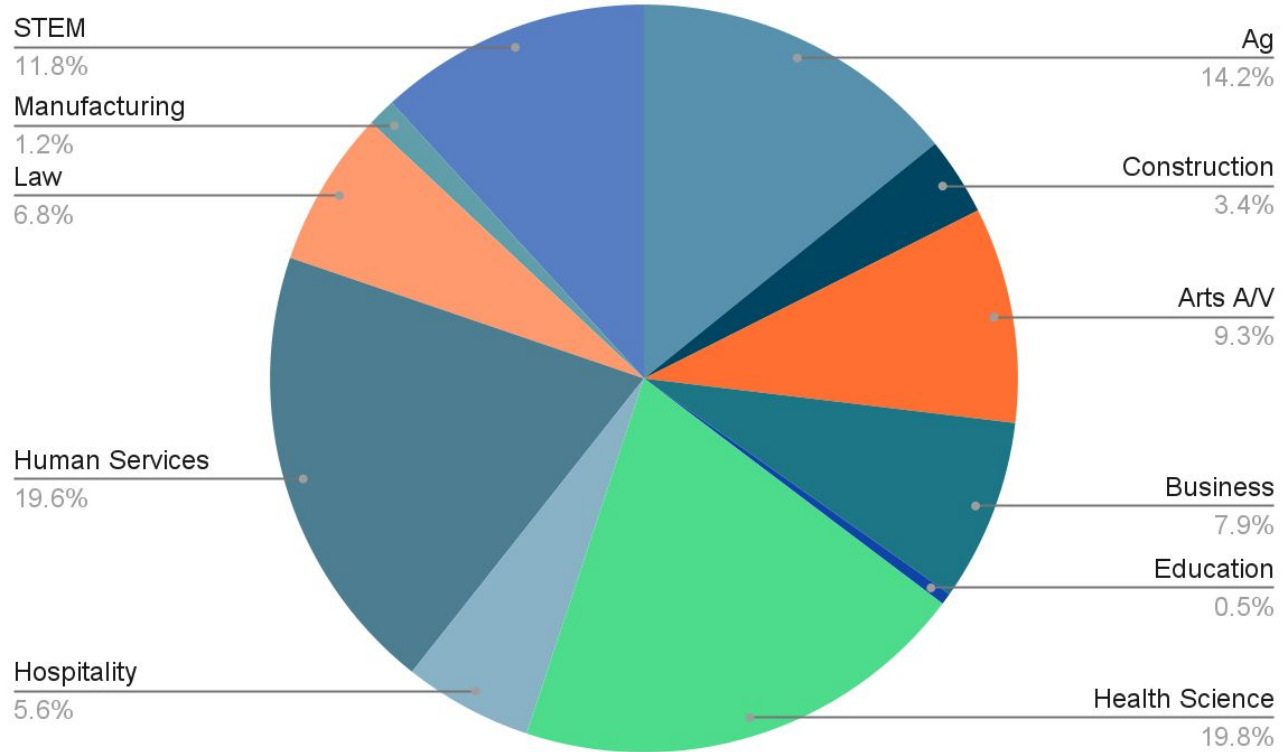
CTE Programs Offered at Each High School

<p>Both Comprehensive High Schools</p> 	<p>Only @ A&M Consolidated High School</p> 	<p>Only @ College Station High School</p> 	<p>Only @ College View</p> 
<p>Plant Science Audio Visual Graphic Design Video Game Design Business Ready Set Teach Family Community Services Law Engineering Computer Science Exercise Science & Wellness Automotive (Bryan CTEC) Welding (Bryan CTEC)</p>	<p>Ag Mechanics Animal Science Health Science Cybersecurity</p>	<p>Culinary Arts Construction Food Processing Wildlife & Natural Resources</p>	<p>Animation Fire Science More to come...</p>

CTE Enrollment

- Total enrollment 2020-2021 grades 7-12 - 6,527 students
- Of the 6,527 enrolled - 5,787 students took at least one CTE course = 89%
- Students taking at least one CTE course breakdown by grade level
 - Grade 7 - 954 out of 1,154
 - Grade 8 - 949 out of 1,124
 - Grade 9 - 947 out of 1,126
 - Grade 10 - 1,014 out of 1,102
 - Grade 11 - 932 out of 1,001
 - Grade 12 - 991 out of 1,022

Enrollment by Cluster



Description of the Program

Major Activities

Performance Data

Challenges

Needs/Growth

Program Scope

- Charged with College & Career Readiness
- CCMR and State Accountability System
- Work to align with programs on the targeted high school/high wage/high need list from Texas Workforce Commission data
- Extra Benefits of CTE
 - Dual Credit, weighted funding, core credit, earn Industry Based Certifications, advanced weighted courses

Description of the Program

Major Activities







Performance Data

Challenges

Needs/Growth

Staffing

- 76 teachers grades 7-12
- CTE Director & Administrative Assistant

						
Ag	5	5	1			
Law	1	1		1	1	2
Construction	1	2				
Family Consumer Sci	3	3	1			
STEM	1	1		1	1	2
Arts & A/V	2	2	1			
Health Science	3	1				
Business & IT	8	8		2	4	4
CTE Science Courses	4	3	1			

Description of the Program

Major Activities

Performance Data

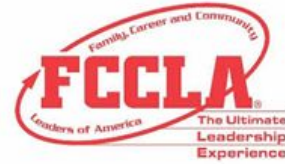
Challenges

Needs/Growth

Community Partnerships

- Advisory Committees
- Bryan CTEC
 - Welding
 - Automotive
 - Industrial Engineering & Robotics
- TEEX - EMT Program
- Internship Partners
 - Pharmacy
 - Ready Set Teach
 - Veterinary Medicine

Career and Technical Student Organizations



Description of the Program

Major Activities

Performance Data

Challenges

Needs/Growth

CTE Weighted Funding

- 55% must be directly spent on CTE
- 2020: each CTE course was weighted 1.35 multiplier
- 2021: each CTE course is weighted at either
 - 1.1 not in a Program of Study
 - 1.28 (level 1 & 2)
 - 1.47 (level 3 & 4)
- Core subjects are at a 1.0 multiplier

Budget

- **State/Local Allotment**

- 2019 - 2020 \$ 4,912,957
- 2020 - 2021 \$ 5,506,051
- 2021 - 2022 \$ 6,145,549 (Sept 2021 Summary of Finances)

- **Federal - Perkins Grant**

- 2019 - 2020 \$ 93,070
- 2020 - 2021 \$ 111,738
- 2021- 2022 \$ 106,542

- **Britt Rice Apprenticeship - Texas Workforce Grant**

- 2020-2021 \$ 59,217

Description of the Program	Major Activities	Performance Data	Challenges	Needs/Growth
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Budget

	Local (2020-2021)	Federal (Perkins)
Allotted	\$ 5,506,051	\$ 106,542
55 % <u>minimum</u> to CTE (based on 3 year average)	\$ 3,103,282	N/A
Payroll (80% of budget)	\$ 2,402,769	\$ 0
Teacher budgets, supplies, technology, equipment	\$ 700,513	\$106,542
Total	\$ 5,506,051	\$ 106,542

Description of the Program

Major Activities

Performance Data

Challenges

Needs/Growth

Major Goals & Activities

- **Review courses offered and refine programs of study**
 - Reduce teacher preps
 - Quality of programs rather than quantity of courses
- **Create a vision for CTE in CSISD for K-12**
- **Increase program completers and improve long-range planning through implementation of Electronic 4 year plans**
- **Brand and market CTE programs**

Major Goals & Activities

- **Align CTE program with all aspects of the CSISD Strategic Design outcomes**
 - Learner Outcomes
 - Portraits of a Learner, Educator, & Leader
 - Learning Framework for Success
 - Goals & Specific Results



Description of the Program

Major Activities

Performance Data

Challenges

Needs/Growth

Performance Data

Graduates who Earned an Approved Industry-based Certification (IBC)

Graduation Year	Percent of Graduates	State Rate
2016-17	1.7%	2.7%
2017-18	5.1%	4.8%
2018-19	8.3%	10.7%
2019-20	10%	2020 TAPR

Description of the Program

Major Activities

Performance Data

Challenges

Needs/Growth

Performance Data

- **Industry Based Certifications**

- 2019 - 2020 = 88 students obtained
- 2020 - 2021 = 82 students obtained



Description of the Program

Major Activities

Performance Data

Challenges

Needs/Growth

Performance Data

Coherent Coursework Aligned with Industry-Based Certifications (Annual Graduates)

Graduation Year	Percent of Graduates	State Rate
2016-17	8.9%	17.3%
2017-18	17.3%	38.7%
2018-19	42.9%	55.6%
2019-20	2020 TAPR	2020 TAPR

Description of the Program

Major Activities

Performance Data

Challenges

Needs/Growth

Performance Data

- CTE Indicator Codes
- TEA pulls their own data via PEIMS - in the past CTE would submit data

2020-2021

7 - Completer	4.6 %
6 - Concentrator	21.3 %
E - Explorer	20.6 %
5 - Participant	53.6 %

- **How to improve**
 - We moved CTE courses to Middle Schools
 - Aligning PEIMS numbers to state Programs of Study

Performance Data

CTSO Nationals

FFA

Food Products and Processing Systems

SkillsUSA

Cabinet Making, Team Works (Construction)

BPA

Advanced Systems and Procedures, Business Law & Ethic, Computer Modeling
Advanced Spreadsheet Applications, Payroll Accounting, Prepared Speech, Java Programming
Health Administration Procedures, C++ Programming, Advanced Office Systems and Procedures
Administrative Support Team

FCCLA

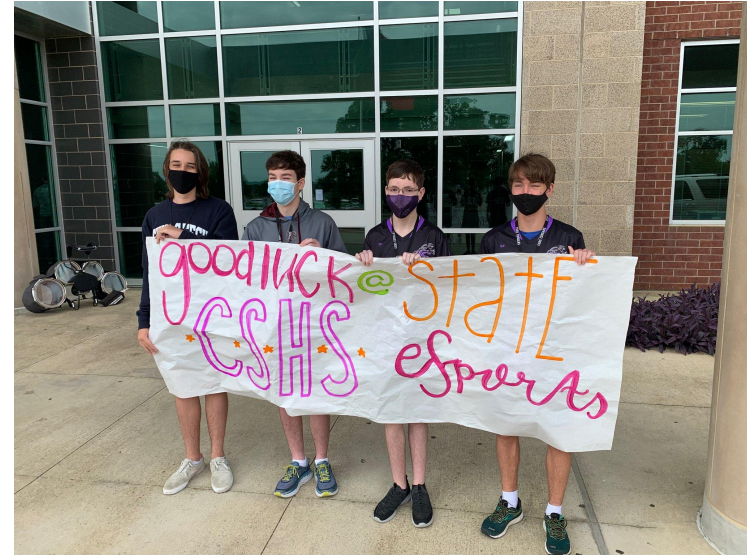
Website Design

CTSO State

- 3-D Visualization and Animation, Cabinet Making, Computer Programming
- Internet of Things, Team Works, Telecommunications, Television (video) Production, 3-D Visualization and Animation
- Additive Manufacturing, Cyber Security, Information Technology Services, Information Technology Services Technical Test
- Internetworking, Technical Computer Applications, Telecommunications
- Behavioral Health, Health Education, Medical Law, Medical Math, Medical Spelling

Performance Data

- Career & Technical Association of Texas Teacher of the Year
- Chapter award - CSHS chapter one of 17 Texas chapters to earn the prestigious Gold Emblem National Chapter Award
- Esports State Championship - College Station High School Varsity Rocket League



Program Challenges

- **Spatial Limitations:**

- Landlocked programs with limited room to expand
- Rooms not designed to promote hands-on learning

- **Barriers to program of study completion:**

- Off periods
- Incomplete programs of study in 4-year plans
- Weighted courses and GPA courses
- Differentiated programs at the comprehensive high schools that do not need lead to completer status on home campus

Program Needs/Growth

- **Current facilities expansions**
 - CTE facilities expansions at each high school
 - Middle school CTE spaces
- **Additional Facilities**
 - CTE Complex to expand CTE programs now and in the future
 - Phase One: Ag Science Center with Animal Barn

Questions & Comments

Kevin Ross

Director of Career and
Technical Education

