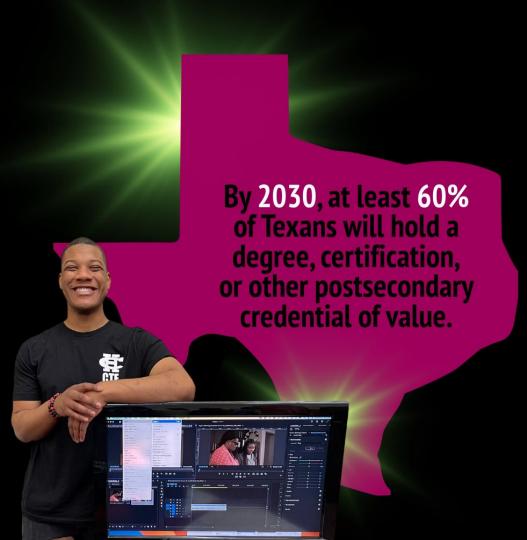
# CEDAR HILL ISD **CAREER & TECHNICAL** EDUCATION 2025 BOARD UPDATE



By graduation, every child will be prepared for success in college, a career, or the military.



- 9 Career Pathways Available
- 67 CTE Courses Ávailable
- Scholars can earn an industry certification in 20 different career fields
- 4 Scholar-Led Businesses

# PK-12 STEM/CTE Experience Continuum

PK K 1 2 3 4 5 6 7 8 9 10 11 12 13-16

STEM/CTE Awareness STEM/CTE Exploration STEM/CTE Application

## **FORMAL EDUCATION**

Primary Design Challenges STEM/CTE Speakers Career Play Centers Science Exploration Center

# FORMAL EDUCATION

Intermediate Design Challenges STEM Focused Project-Based Learning

### **FORMAL EDUCATION**

Engineering Challenges with Career Problems Introduced STEM/CTE Competitions 8th Grade Select STEM/CTE Endorsements

### **FORMAL EDUCATION**

Diverse STEM HS Pathway with Academic and Technical Classes Mock Interviews Credential and/or License

# INFORMAL EDUCATION

STEM Focused Field Trips STEM Library Events

# INFORMAL EDUCATION

STEM/CTE Work Tours Afterschool Network STEM/CTE Programs

# **INFORMAL EDUCATION**

Job Shadowing Coding Camps

## **INFORMAL EDUCATION**

Join STEM/CTE Organizations Governor's Science and Technology Champions Academy

## **FAMILY EVENTS**

Mom's in the Makerspace Event

## **FAMILY EVENTS**

Extreme Half-Day STEM Event

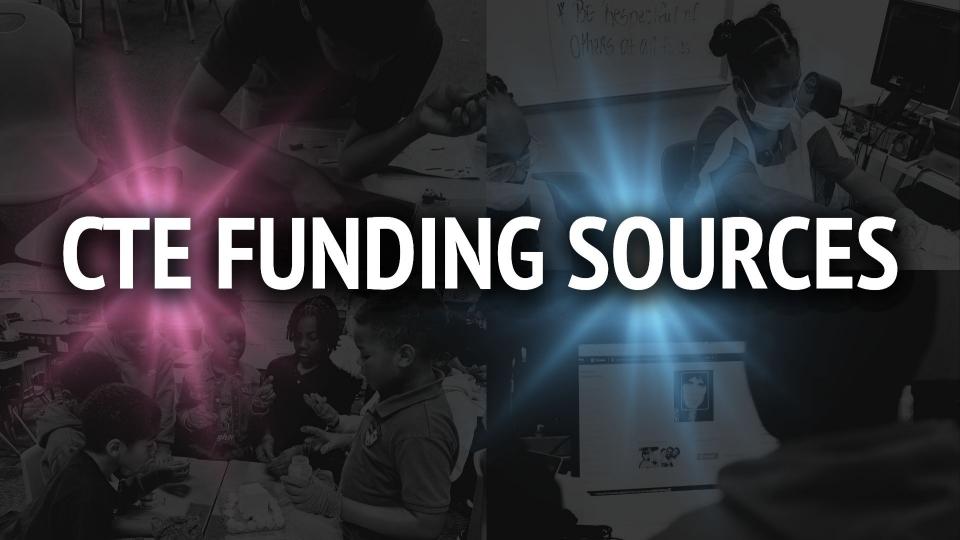
# **FAMILY EVENTS**

STEM/CTE Family Lunch and Learn

# **FAMILY EVENTS**

**Attainment** 

10th Grade University/College Tours



# FEDERAL AND STATE CTE FUNDING SOURCES

	2023 - 2024	2024 - 2025	2025 - 2026
Perkins Grant (Federal)	\$104,937.00 (Post Reallocation)	\$101,188 (Post Reallocation)	\$76,251.00 (Initial)
Program Intent Code 22 (State)	\$4,757,229 - Final (Spend 55% of Amount)	\$4,683,099 - Prelim (Spend 55% of Amount)	\$3,825,072 - APPROX. (Spend 55% of Amount)
CCMR Outcomes Bonus	\$206,000 - Final (Spend 55% of Amount)	\$321,000 - Prelim (Spend 55% of Amount)	\$321,000 - APPROX. (Spend 55% of Amount)
CTE Industry-Based Certification Reimbursement	\$22,871	\$23,552	\$23,552



# **CHISD CTE PROGRAMS OF STUDY**



# TOP 3 ENROLLED PROGRAMS OF STUDY IN CEDAR HILL ISD









HEALTH SCIENCE



HOSPITALITY & TOURISM

# **COURSE SEQUENCE AND IBCs**

Revised-Oct 2024



#### **Health Science Career Cluster**

The Health Science career cluster focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development. This career cluster includes occupations ranging from medical assistant, registered nurse, and physical therapist to forensic science technician and athletic trainer

#### Statewide Program of Study: Nursing Science

The Nursing Science program of study focuses on occupational and educational opportunities associated with patient care. This program of study includes the practice of caring for patients, performing routine procedures such as monitoring vital signs, developing, and implementing care plans, maintaining medical records, and managing disease or pain.

#### Secondary Courses for High School Credit

- Level 1 Principles of Health Science · Principles of Nursing Science
- Level 2 · Science of Nursing Medical Terminology
- Level 3 · Health Science Theory
- · Health Science Theory + Health Science Clinical
  - · Anatomy and Physiology
  - Medical Microbiology
  - · Leadership and Management in Nursing
  - Clinical Ethics

#### Level 4 · Pathophysiology

- Pharmacology
- Practicum in Nursing · Practicum in Health Science
- · Practicum in Health Science + Extended Practicum in
- Health Science
- · Career Preparation for Programs of Study Career Preparation for Programs of Study + Extended Career
- Preparation

#### Aligned Advanced Academic Courses

AP Biology AP Chemistry IB Biology SL IB Chemistry SL IB Biology HL IB Chemistry HL

Dual Credit 
Dual credit offerings will vary by local education agency. Students should be advised to consider these course apportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards concentrator/completer status for this program of study.

#### Work-Based Learning and Expanded Learning Opportunities

- Work-Rased Learning Activities
- . Intern with a medical assistant at a community clinic. hospital or assisted living facility · Conduct informational interviews with nurses in different departments and healthcare settings
- Volunteer at community clinics, hospitals, assisted Expanded Learning living and long-term care facilities . Particinate in HOSA or Skillel ISA

- Certified Clinical Medical Assistant
- **Aligned Industry-Based Certifications** Patient Care Technician
- . Cartified Nurse Aide (CNA) · Phlebotomy Technician · Registered Nurse
- · Licensed Vocational Nurse Medical Assistant
  - Successful completion of the Nursing Science program of study will fulfill requirements



#### **Example Postsecondary Opportunities**

#### Apprenticeships Registered Nurse Resident

#### Associate Degrees

- Medical Assisting
- Vocational Nursing
- **Bachelor's Degrees**
- · Registered Nursing
- Nursing Administration

#### Master's, Doctoral, and Professional Degrees

- · Nursing Administration · Nursing Science
- Additional Stackable IBCs/License
- · Certified Emergency Nurse



#### **Example Aligned Occupations**

#### Nursina Assistants Median Wage: \$30,856 Annual Openings: 10,936 10-Year Growth: 15%

Licensed Practical and

Licensed Vocational Nurses

Median Wage: \$50,913 Annual Openings: 6,865 10-Year Growth: 17%

Registered Nurses

Median Wage: \$79.831 Annual Openings: 16,207 10-Year Growth: 17%

Data Source: Texas/Wages, Texas Workforce Commission, Retrieved 3/8/2024 For more information visit https://tea.texas.gov/academics/college-career-and-militar



### **Secondary Courses for High School Credit**

- Level 1 Principles of Health Science
  - · Principles of Nursing Science
- Level 2 Science of Nursing
  - Medical Terminology
- Level 3 Health Science Theory
  - Health Science Theory + Health Science Clinical
  - Anatomy and Physiology
  - Medical Microbiology
  - Leadership and Management in Nursing
  - Clinical Ethics
- Level 4 Pathophysiology
  - Pharmacology
  - Practicum in Nursing
  - Practicum in Health Science
  - Practicum in Health Science + Extended Practicum in **Health Science**
  - Career Preparation for Programs of Study
  - Career Preparation for Programs of Study + Extended Career Preparation

#### **Aligned Industry-Based Certifications**

- Certified Clinical Medical Assistant · Certified Nurse Aide (CNA)
- Licensed Vocational Nurse
- Medical Assistant

- Patient Care Technician
- Phlebotomy Technician
- Registered Nurse

**Pharmacy Tech** 



of STEM endorsement if the math and science requirements are met or the Public



## NOT CTE



# CTE PARTICIPANTS



## CTE EXPLORERS



## CTE CONCENTRATORS



# CTE COMPLETERS



# CODE 4

A student who never enrolled or who did not complete any high-school CTE Course

2024-25: 22.4%

# CODE 5

A student completing EITHER: only one CTE course for any number of credits, OR more than one course for less than two credits\*

2024-25: 18.2%

# **CODE E**

A student completing two or more high school CTE courses for a total of two or more credits defined by 19 TAC Chapter 126 (C), 127(B) or 130 and not a participant, concentrator or completer\*

2024-25: 23.5%

# CODE 6

A student completing and passing at least two or more 19 TAC Chapter 126 (C), 127 (B) or 130 CTE courses for a total of at least two credits within the same program of study and not a completer.

2024-25: 27.8%

# CODE 7

A student completing and passing three or more 19 TAC Chapter 126 (C), 127 (B) or 130 CTE courses for a total of four or more credits within a program of study, including one level three or level four course from within the same program of study.

2024-25: 28.0%

# **CTE Completer Definition**

# **Code 7: COMPLETER**

Completing and passing three or more CTE courses for a total of four or more credits within a program of study, including one level three or level four course from within the same program of study.



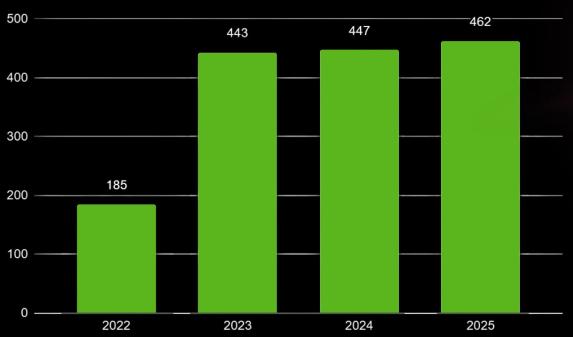
Aligned Industry Based Certification (earned)





# **CHISD CTE INDUSTRY BASED CERTIFICATIONS**

# **Yearly Industry Based Certifications**









# **Rising 6th Graders**

 Elementary campuses to feeder middle schools

# **Rising 9th Graders**

- Employability Skills classes
  - Career Cluster Lessons
  - o Counselor presentations
- CTE/JROTC Trunk Shows at Middle School campuses
  - o CTE Ambassadors facilitate
- Longhorn Level Up at Cedar Hill High School
  - CTE/JROTC Rotations
  - Pep Rally
  - Light Dinner
- Endorsement Selections

# What's Next in CHISD CTE?

- Instructional Framework Planning
- Strengthen Teacher Industry Connections
- Enhance Curriculum Relevance
- Invest in Equipment & Technology
- Embed Employability Skills
- Strengthen Data Use
- Program Expansions

- Expand Industry Partnerships
- Develop an Advisory Board with the STEM Ecosystem
- Create Structured WBL Pipelines
- Integrate WBL into Curriculum

- Improve Student Awareness & Access
- Empower Students as Ambassadors
- Host Signature Events
- Develop a Strong Brand Identity

- Teacher Incentive Allotment for CTE
- Mentorship with TEA consultant for new & DOI teachers
- Support Professional Growth
- Recognize & Celebrate Contributions

**PROGRAMMING** 

**WORK-BASED LEARNING** 

**MARKETING** 

**TEACHER RETENTION** 

