



Pathways in Technology

Early College High School



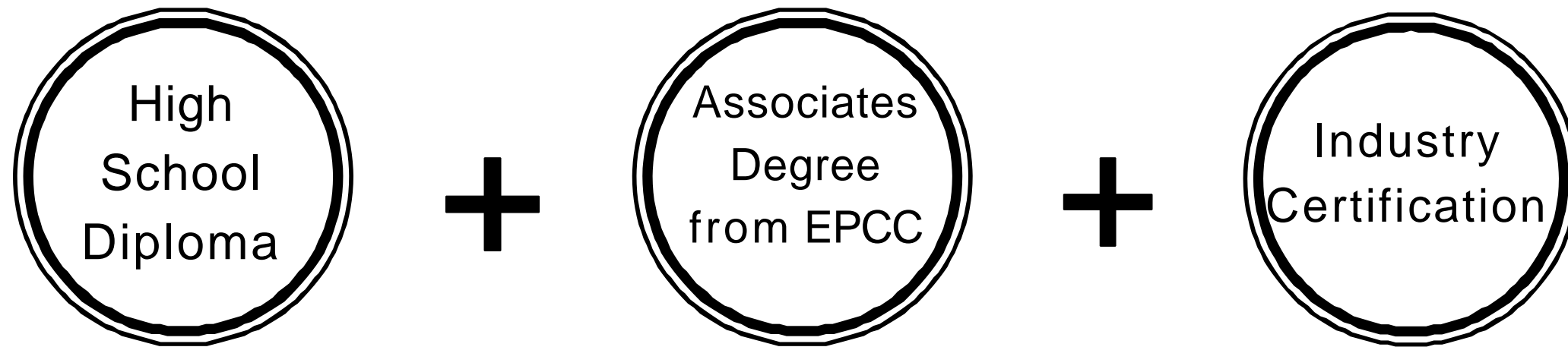
— ● www.episd.org ● —



P-TECH
El Paso Independent School District

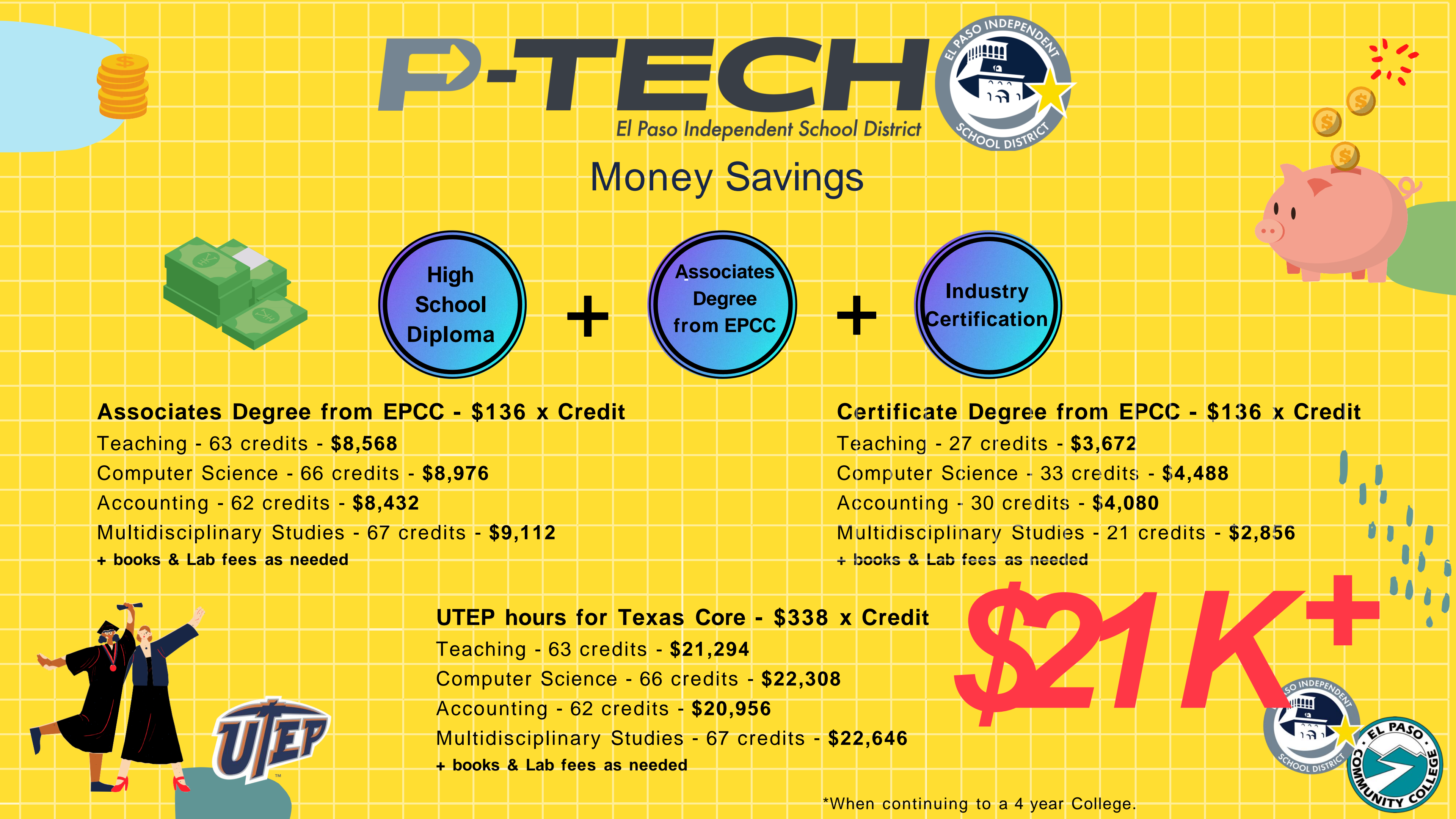
... What is P-TECH?

El Paso Independent School District



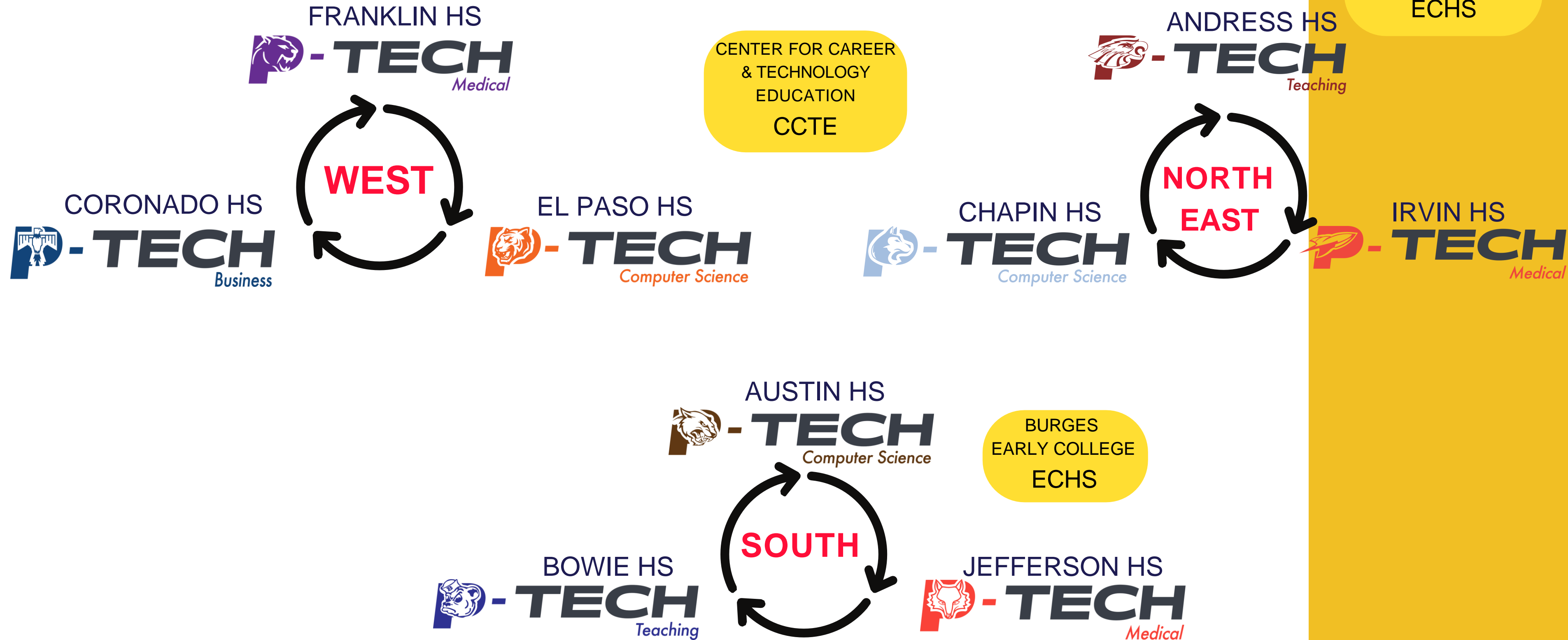
- P-TECH programs offer a **FREE**, no tuition, no book cost to students or families to earn a 3-in-1: High School Diploma + an Associates degree with El Paso Community College (EPCC) + an industry Certification with practicums through regional businesses.
- It is a work-based educational plan aligned with our regional workforce needs to guide students into high-demand, high-wage careers.







COOPERATIVE ZONE SYSTEM



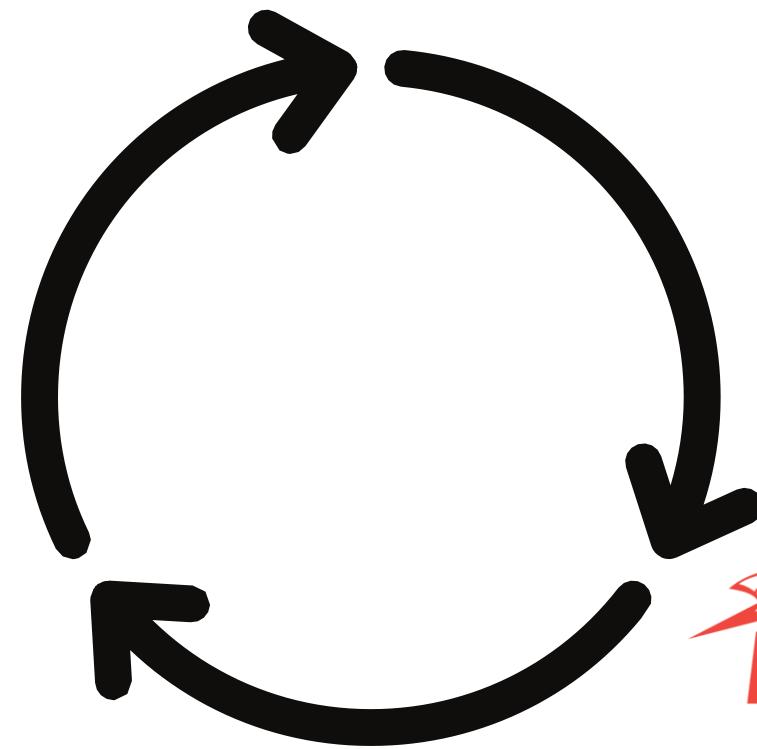
● ● ● COOPERATIVE ZONE SYSTEM

NORTH EAST

ANDRESS HS
 **P-TECH**
Teaching

TRANSMOUNTAIN
EARLY COLLEGE
TMECHS

CHAPIN HS
 **P-TECH**
Computer Science



IRVIN HS
 **P-TECH**
Medical



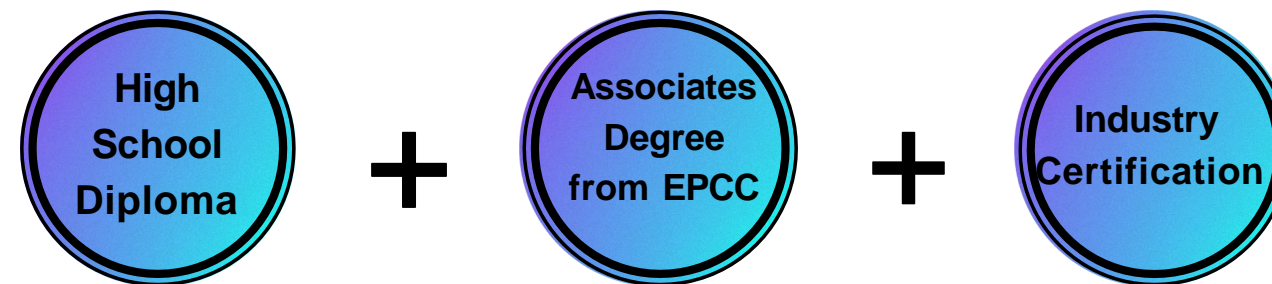
Bienvenidos padres y tutores,

¡Felicidades!

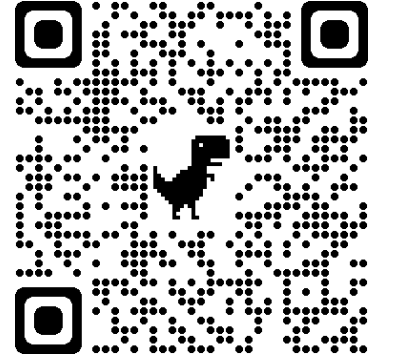
Su hijo(a) ha sido seleccionado(a) a participar en el programa Pathways in Technology Early College High School (P-TECH) en **Chapin High School**. Las escuelas P-TECH de EPISD en asociación con El Paso Community College, brindan a los estudiantes la oportunidad de recibir un diploma de la escuela preparatoria junto a una certificación profesional y / ó un título de asociado del Colegio.

El beneficio de participar en el modelo P-TECH de **Ciencias de las Computacion** (es decir, **Endorsamiento de la Seguridad de Cybernetica**) es el enfoque profesional y el acceso a una educación basada en el ambiente laboral.

El programa de P-TECH brinda a sus estudiantes:



- Servicio **gratuito, sin costo** para el estudiante y la familia. Puede ahorrar hasta \$40,000 en gastos de colegiatura para clases Universitarias y libros de texto.
- Provee experiencias y capacitaciones directas a través de prácticas laborales, apropiadas para la edad del estudiante en asociación con *El Paso Community College (EPCC)*, la *Universidad de Texas en El Paso (UTEP)* y negocios regionales.
- P-TECH está alineado con las necesidades de la fuerza laboral regional, guiando a los estudiantes hacia carreras de alta demanda y salarios gratificantes.



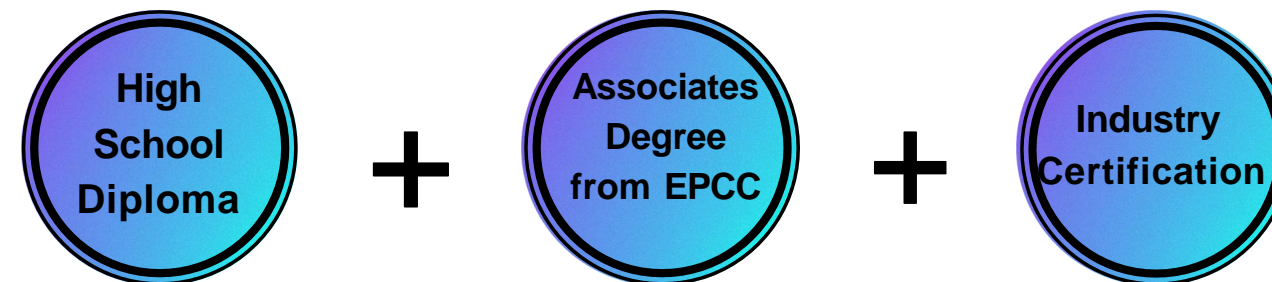
Welcome Parents and Guardians!

Congratulations!

Your child has been selected to participate in the Pathways in Technology Early College High School (P-TECH) program at **Chapin High School**. EPISD's P-TECH schools work in collaboration with El Paso Community College to afford students the opportunity of obtaining a High School diploma along side a workforce certification or even a College Associates Degree!

The benefits of participating in the P-TECH **Computer Science, Cybersecurity Endorsement** is the professional focus and access to a work-based education.

P-TECH programs offer its students:



- **Tuition free** for students and families. You can save up to \$40,000 in college tuition and books.
- Provides age-appropriate work-based learning opportunities in collaboration with El Paso Community College (EPCC), The University of Texas at El Paso (UTEP), and regional businesses through practicums.
- P-TECH is aligned with regional workforce needs guiding students into high-demand, high-wage careers.

COMPUTER SCIENCE

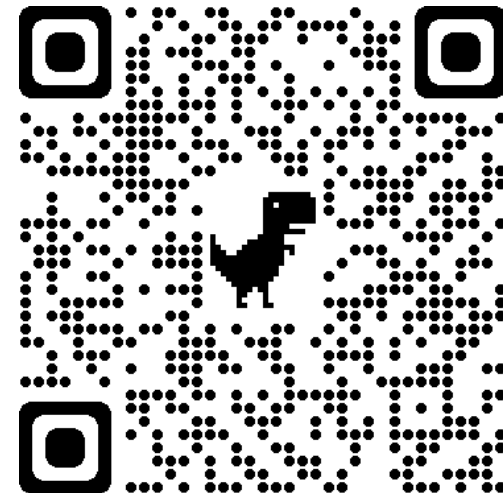
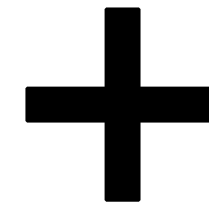
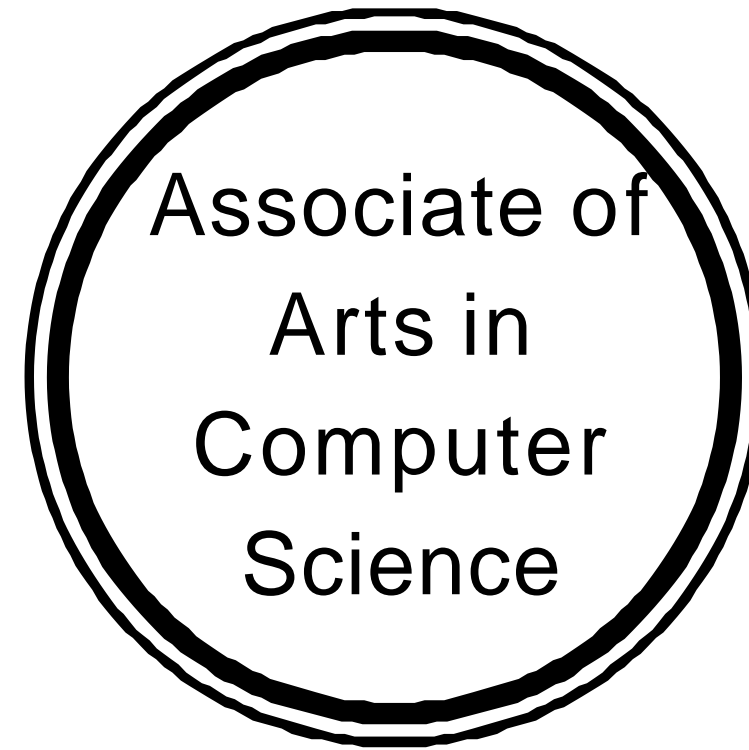
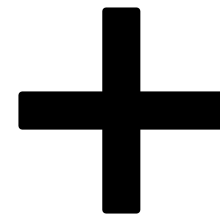
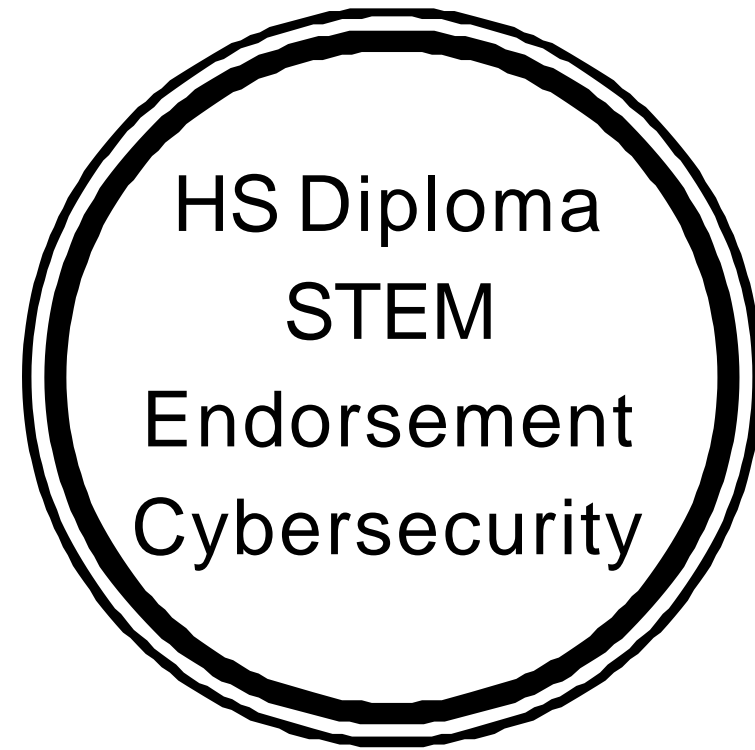
2021 - EL PASO HS

2022 - AUSTIN HS

2022 - CHAPIN HS

- What does the Computer Science P-TECH offer?
- How do P-TECH students relate to the field?
- What are the work-based experiences students have an opportunity to acquire?





HIGH SCHOOL COURSES

Language Arts

English 1- 9th
English 2 - 10th
English 3 (DC) - 11th
English 4 (DC)- 12th

Mathematics

Algebra I or Geometry- 9th
Geometry and/or Alg 2 OnRamps- 10th
OnRamps PreCalc- 11th
Calculus AP 12th

Science

Biology - 9th
Chemistry - 10th
Advance Science (Not Physics) - 11th
Principles of Tech (DC) - 12th

Social Studies

Geography - 9th
W. History - 10th US
History DC - 11th
Government (DC) - 12th
Economics - 12th

Foreign Language

LOTE I
LOTE II

Fine Arts

Art Appreciation (DC)

Speech

Professional Communication (DC) - 10th

Health

Health

CTE

BIM I

CTE Cybersecurity

(Statewide Program of Study)

Fundamentals of Comp Science
Foundation of Cybersecurity
Internet Work/Elec Computer
Science I (DC)
AP Comp Science/ Elec
Cybersecurity Capstone

Physical Education

PE

State Electives

College Trans. (DC) ST TX
Gov. (DC)
Electives

ASSOCIATE COURSES

ARTS 1301 - Art Appreciation
COSC 1436 - Programming Fund III
COSC 1437 - Programming Fund III
COSC 2336 - - Programming Fund III
EDUC 1300 - Learning Framework
ENGL 1301 - Composition I
ENGL 1302 - Composition II
ENGL 2322 - British Literature I
GOVT 2305 - Federal Government
GOVT 2306 - Texas Government
HIST 1301 - United States History I
HIST 1302 - United States History II
MATH 1314 - College Algebra
MATH 2412 - Pre-Calculus Math
MATH 2413 - Calculus I
PHYS 2325/2125 - Univ Physics Lab I/ Lab
PHYS 2326/2126 - Univ Physics Lab I/ Lab
SOCI 1301 - Intro to Sociology
SPCH 1321 - Bus & Professional Comm

CERTIFICATION COURSES

Cisco Networking Training

ITCC 1314 - CCNA 1Intro to Networks
ITCC 1344 - CCNA Route Essentials
ITCC 2320 - CCNA 3 Scaling Networks
ITSC 1301 - Intro to Computers
ITSC 1305 - Intro to PC Operat Systems
ITSC 1316 - Linux Installation & Config
ITSC 2380 - CoOp CIS Gen I
ITSW 1313 - Intro to Data Entry
ITSY 1300 - Fund of Inform Security
ITSY 2301 - Firewall & Network Security
ITSY 2343 - Comp System Forensics

Cisco 200-201 CBROPS - Understanding
Cisco CyberSecurity Operations
Fundamentals

CompTIA Network+
CompTIA Security+
CompTIA A+ Certification

CyberSecurity Fundamentals





BUSINESS & CURRICULUM PARTNERS

El Paso ISD Technology Department



El Paso Community College



32nd AAMDC -Fort Bliss Cybersecurity



Project Lead The Way Cybersecurity Curriculum



Amazon Edhesive/Future Engineer Curriculum



edhesive

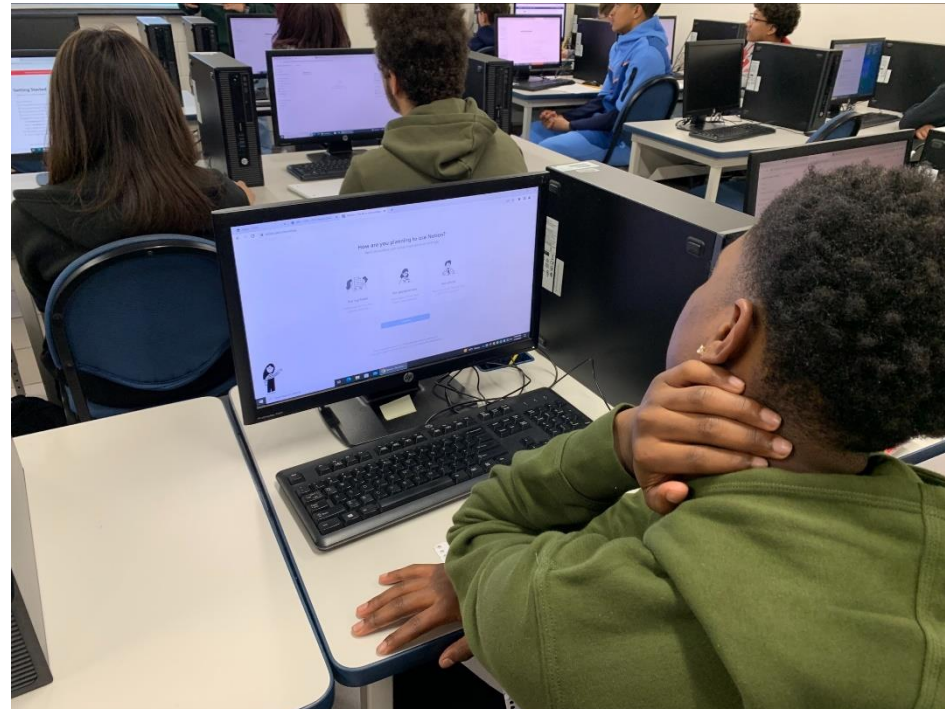
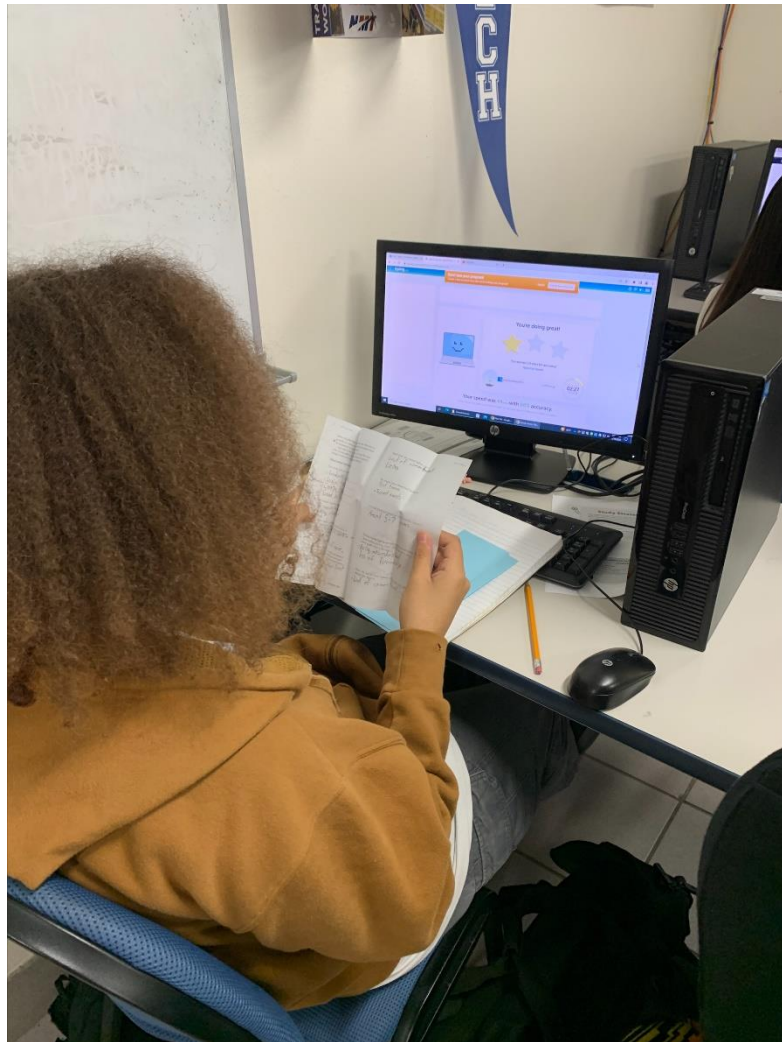
Microsoft TEALS, Teaching and Curriculum Support

Junior Achievement, Job Shadowing Curriculum






WORK-BASED LEARNING



Freshmen: Presentation Skills, Introduction Skills, Resume Building, Guest Speakers, Community Service



Sophomores: Site Visits, Interviewing Skills, Resume Building, Guest Speakers, Community Service







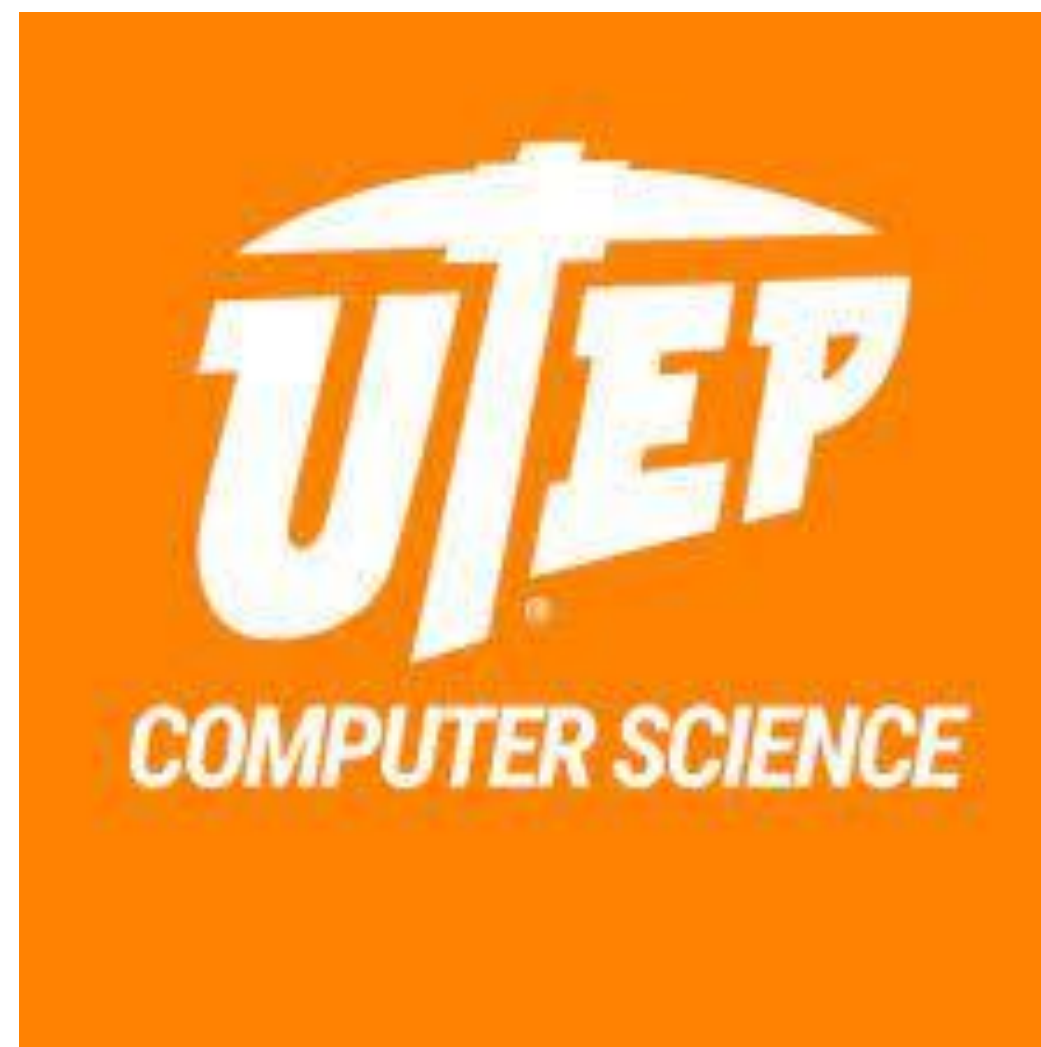
HIGH TECH DAY

Tech for All: United in Technology

**DEC
6TH
2023**

CHAPIN HIGH SCHOOL
7000 Dyer St.
El Paso, TX 79904
elpaso.ja.org

**Computer
Science Week**
December 1-8, 2023



Frequently Asked Questions

FAQ's

01

Do we have to pay tuition? Books?

No, there is no cost to student and families for P-TECH program and EPCC tuition. There is no cost for books while attending courses at EPCC. There is no cost for transportation to EPCC from P-TECH campus.

02

How does transportation work if I attend a different school?

You arrive to your home location High School and ride a school bus to your choice of P-TECH campus.

03

Do I take classes at EPCC? How do I get there?

Your P-TECH campus will transport you to and from EPCC each day for classes in your assigned schedule.

04

Do I get to take classes at UTEP?

Not at this time

Frequently Asked Questions

FAQ's - *Continuation*

05

**Do these credits transfer?
In Texas | Outside of Texas**

Yes

07

**Can I still participate in activities at my
home school?**

Yes

06

Do I transfer to my P-TECH school?

Yes

08

**How is P-TECH Computer Science different
from Project Lead The Way Magnet?**

Both are STEM programs. The PTECH focuses on Computer Science. The Magnet includes a broader selection of Engineering/STEM classes.

Meet Your District Level



Team



Jason Long

**College & Career Readiness Innovation
Executive Director**

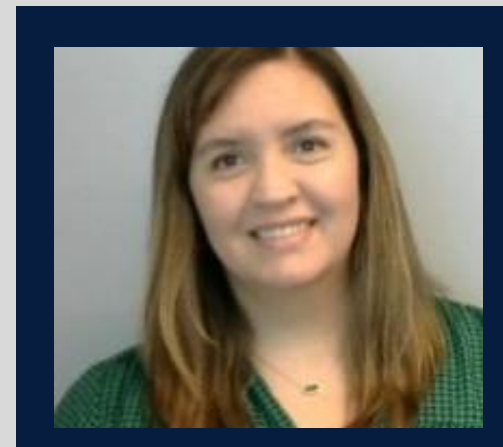
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