



Pathways in Technology

Early College High School



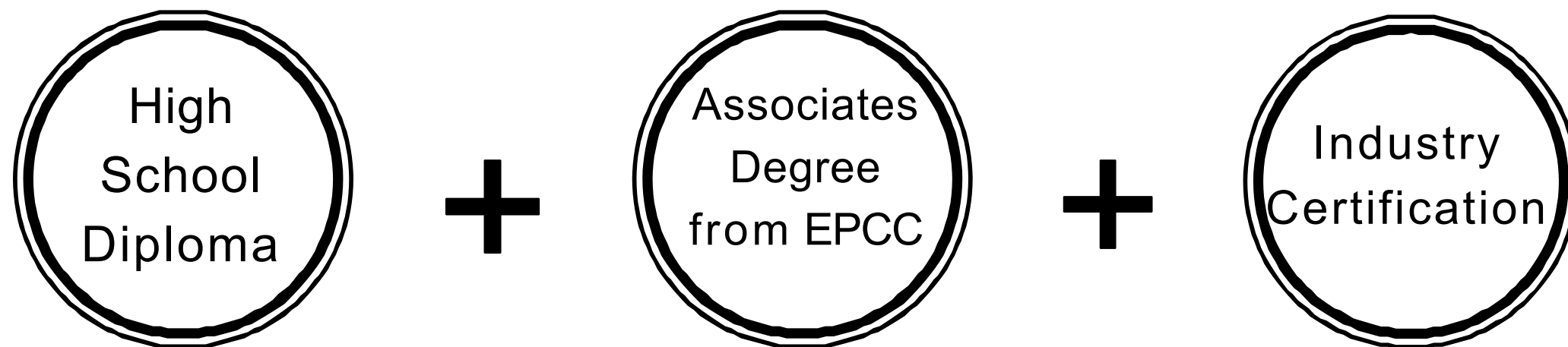
— ● www.episd.org ● —



P-TECH
El Paso Independent School District

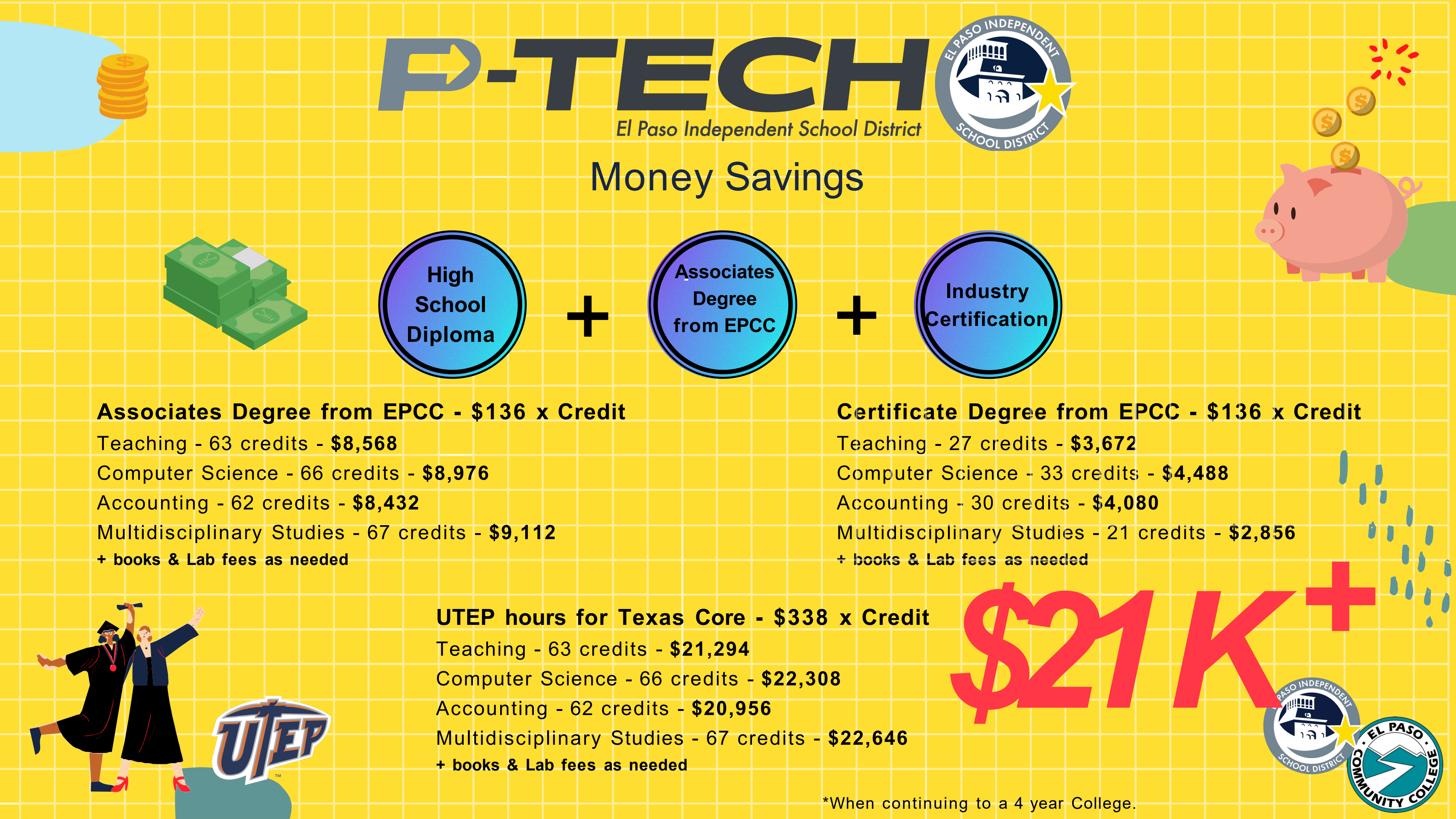
... What is P-TECH?

El Paso Independent School District



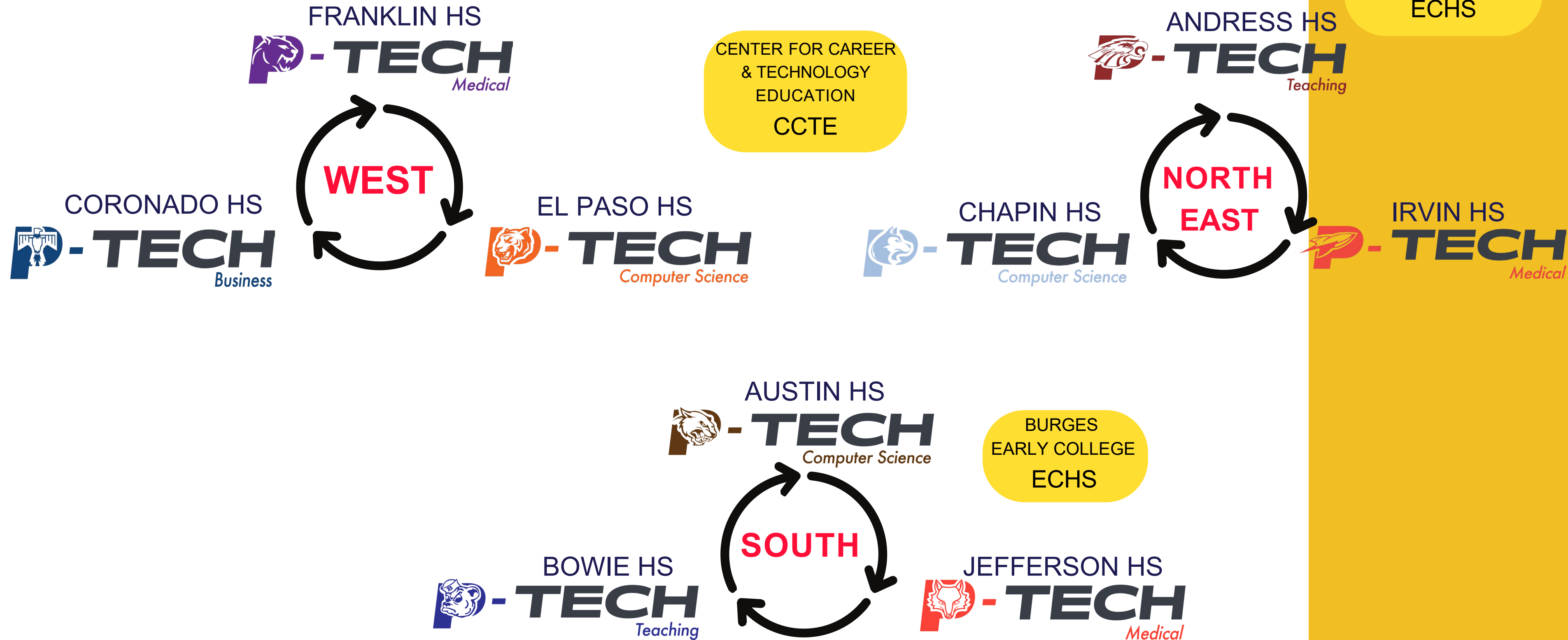
- P-TECH programs offer a **FREE**, no tuition, no book cost to students or families to earn a 3-in-1: High School Diploma + an Associates degree with El Paso Community College (EPCC) + an industry Certification with practicums through regional businesses.
- It is a work-based educational plan aligned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







COOPERATIVE ZONE SYSTEM



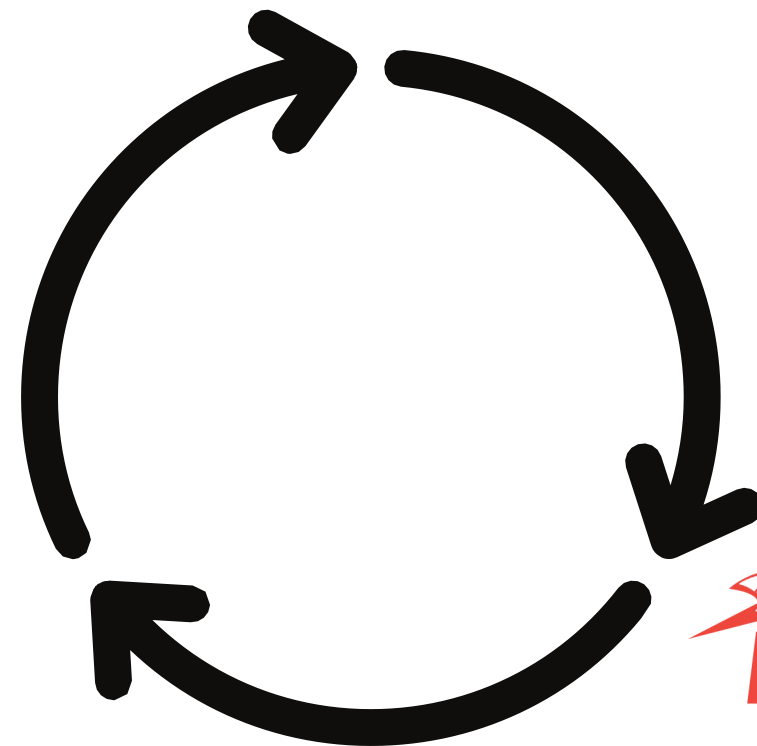
COOPERATIVE ZONE SYSTEM

NORTH EAST

ANDRESS HS
 **P-TECH**
Teaching

TRANSMOUNTAIN
EARLY COLLEGE
TMECHS

CHAPIN HS
 **P-TECH**
Computer Science



IRVIN HS
 **P-TECH**
Medical



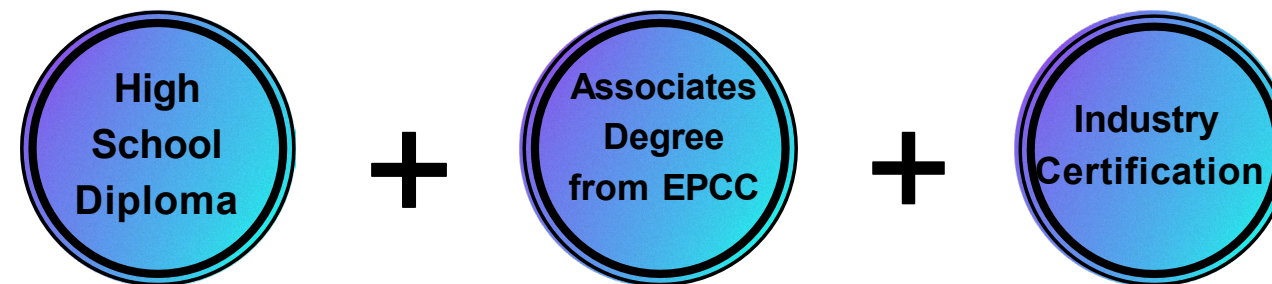
Bienvenidos padres y tutores,

¡Felicidades!

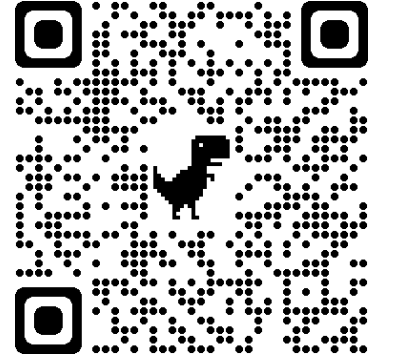
Su hijo(a) ha sido seleccionado(a) a participar en el programa Pathways in Technology Early College High School (P-TECH) en **Chapin High School**. Las escuelas P-TECH de EPISD en asociación con El Paso Community College, brindan a los estudiantes la oportunidad de recibir un diploma de la escuela preparatoria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



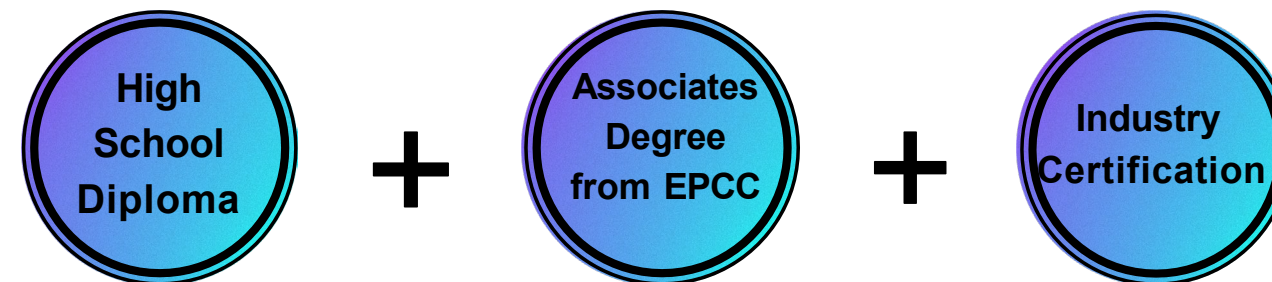
Welcome Parents and Guardians!

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

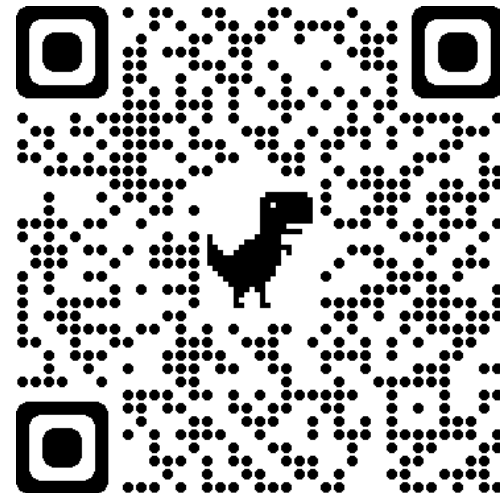
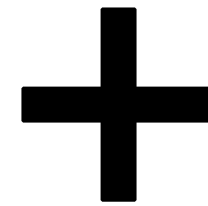
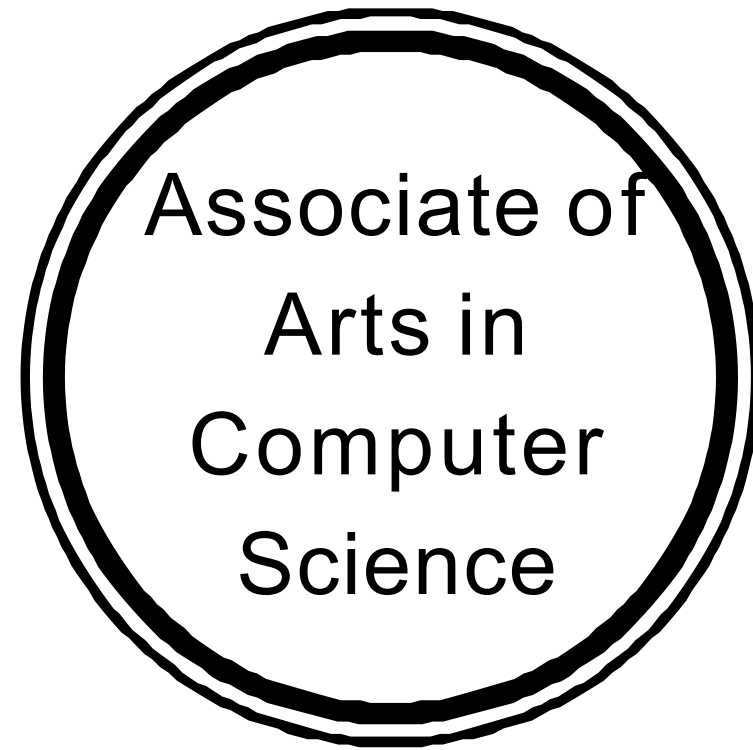
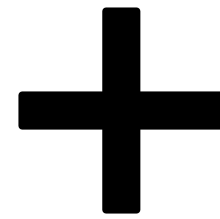
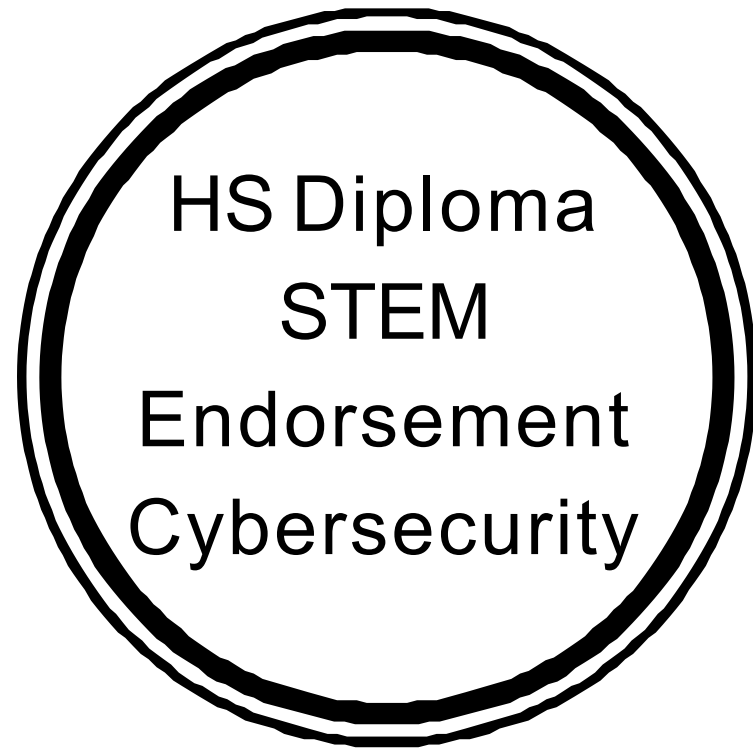
2021 - EL PASO HS

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



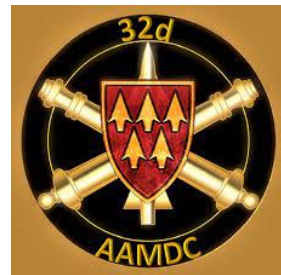


BUSINESS & CURRICULUM PARTNERS

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



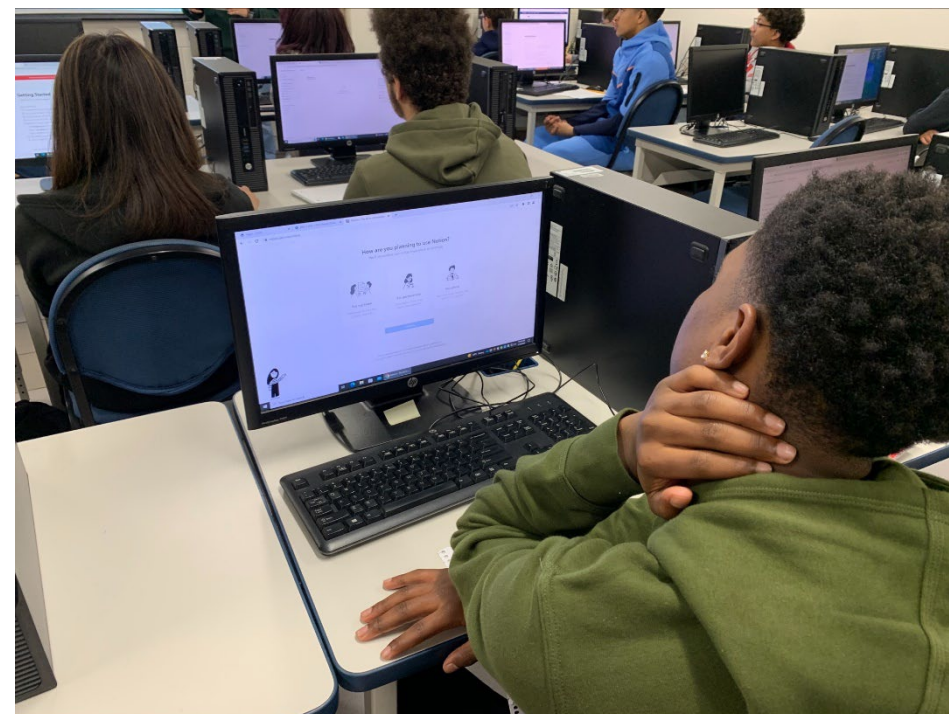
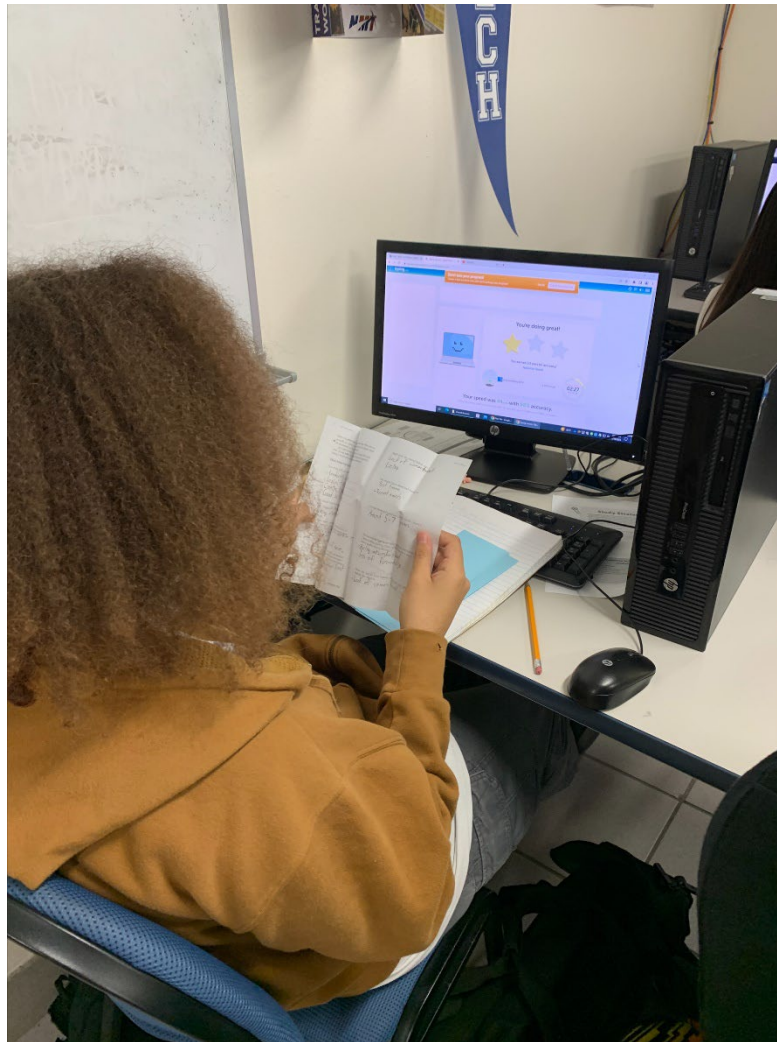
Chic-Fil-A Hoping to add their leadership curriculum



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



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

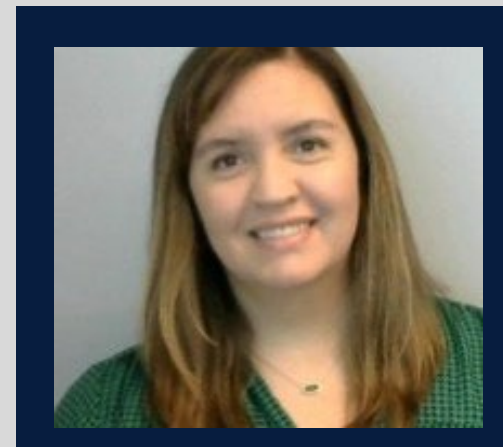
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