

# LANIER Construction Science

# P-TECH

## STEERING COMMITTEE PRESENTATION

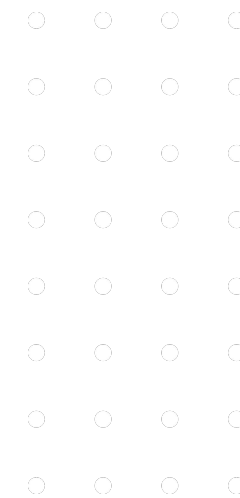
Presenters: Jennifer Ingram, Juan Cervantes, and Armando Marti

Location: SAISD Central Office - 514 W. Quincy Ave.

Date: April 14, 2023

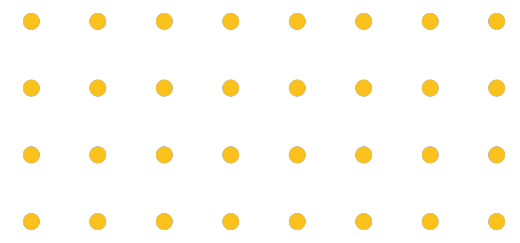
Time: 1:00-2:00 PM

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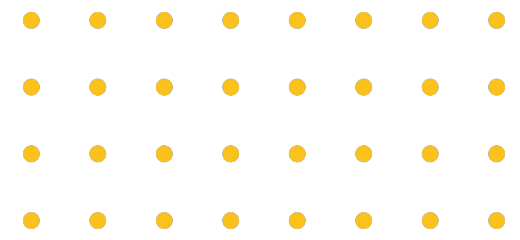
# MEETING NORMS & THREE P's

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- Agree to be fully present
  - Stay focused on the outcomes for student success
  - Extend and accept grace; assume positive intent
  - All voices are heard, valued and equal
  - Keep focused on today's task
- 
- **Purpose:** Prepare our students for high-skilled jobs of the future in construction technology.
  - **Process:** Empower students to understand the connection between the coursework, field experiences, and the “real world” expectations.
  - **Payoff:** Promote collaboration between industry partners, higher education for student success, attainment of industry based certifications and college credentials.

# BENCHMARK 1: SCHOOL DESIGN



The P-TECH program must offer open enrollment and flexible scheduling structures that enable students to combine high school, postsecondary courses and work-based learning, at no cost to participating students.

Model Type: School within School	
Campus Team	<ul style="list-style-type: none"> <li>• Dr. Moises Ortiz (Campus Principal)</li> <li>• Jennifer Ingram (P-TECH Coordinator)</li> <li>• Juan Cervantes (P-TECH Support Teacher)</li> <li>• Armando Marti (Work-Based Learning Spec.)</li> <li>• Angelica Lozano (Lead Counselor)</li> </ul>
Annual Training with SPC	August 13, 2022 and January 7, 2023
2023 High School Summit	February 10th, 2023 at Sutton Learning Center

Leadership Teams	
District/college leadership	<ul style="list-style-type: none"> <li>• Yesenia Cordova (Assistant Superintendent)</li> <li>• Dr. Johnny Vahalik (Assistant Superintendent, College, CTE, MR)</li> <li>• Yvonne Benton (District P-TECH Coord.)</li> <li>• Konise Millender (CTE Coordinator)</li> <li>• Ruby Pena (Dual Credit Coordinator)</li> <li>• Brenda Burmeister (District WBL Coord.)</li> <li>• Dr. Fenton (Director HS Programs)</li> <li>• Samantha Gallegos (ACCD, HS Programs)</li> <li>• Sunny Hernandez (HS Program Coord. / College Advisor)</li> </ul>
Industry partners	<ul style="list-style-type: none"> <li>• Bartlett Cocke General Contractors</li> <li>• H-E-B</li> <li>• Joeris General Contractors Ltd.</li> <li>• Johnson Control</li> <li>• SA Worx</li> <li>• Workforce Solutions Alamo</li> </ul>

# BENCHMARK 2: TARGET POPULATION

The P-TECH program shall serve, or include plans to scale up to serve, students in Grades 9 through 14, and shall target and enroll students who are at risk of dropping out of school as defined by the Public Education Information Management System (PEIMS) and who might not otherwise go to college.

Grade Level	Class of (Year)	Number of Students	Attrition Rate (Oct. Snapshot, 9th Gr.)
9	2026	32	(3/35) 9% (81% retention)
10	2025	18	(1/19) 5% (95% retention)
11	2024	0	N/A
12	2023	0	N/A

Gender	Campus (%)	District (%)
Male	(35/50) 70%	51%
Female	(14/50) 28%	49%
Special Population	Campus (%)	District (%)
At-Risk	(37/50) 74%	67%
Econ. Dis.	(48/50) 96%	89%
SpEd	(10/50) 20%	15%
504	(4/50) 8%	5%
ELL	(15/50) 30%	23%

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Degree Graduates (AA, AS, AAS, Certifications)	
Construction Technology, Level 1 Certification	10th: 18 students 9th: 32 students
Construction Science and Management BS	0 students
Associates of Applied Science in Power Generation and Alternative Energy	0 students

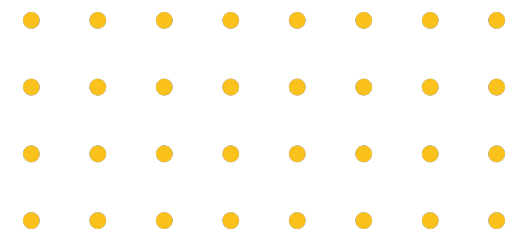
Recruitment plan reflection	
October 31, 2022	Application window opens
January 17, 2023	Deadline to Submit Applications
February 4th, 2023	Round 2 begins
March 3, 2023	Round 2 finalized
1/2/23 to 1/17/2023	Magnet Mini Fairs visited with 26 schools
Schoollinks data / social media / conferences with students & parents / sent letters home.	

## Admission policy reflection

- At SAISD, we believe that all children should have access to a variety of school options regardless of their academic abilities or where they live. Choice Schools and Magnet Programs offer specialized academic programming designed to best fit the individual interests of students. An application is required to gain admission to these schools. Admission is based on a lottery system\* and is open to all students living in Bexar county and surrounding areas.



# BENCHMARK 3: STRATEGIC ALLIANCES



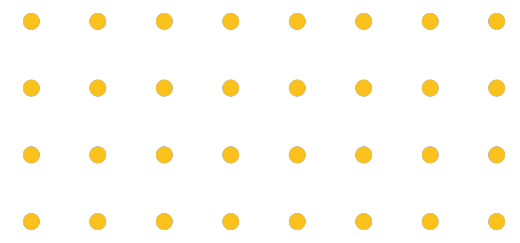
Strategic partnerships with business and industry partners and IHEs are formally articulated in writing and clearly define a variety of careers

MOUs	
IHE MOU	St. Philip's College
Industry Partner MOUs	<ul style="list-style-type: none"> <li>• Bartlett Cocke General Contractors</li> <li>• H-E-B</li> <li>• Joeris General Contractors Ltd</li> <li>• Johnson Controls</li> <li>• SA Worx</li> <li>• Workforce Solutions</li> </ul>

Partner Meetings	
Advisory Board	<ul style="list-style-type: none"> <li>• BOY: September 7, 2022</li> <li>• Tracing Online: October 26, 2023</li> <li>• MOY: December 14, 2022</li> <li>• Tracing Online: February 8, 2023</li> <li>• EOY: May 10, 2023</li> </ul>
IHE Collaborations	<ul style="list-style-type: none"> <li>• Dual Credit Meetings</li> <li>• Annual Training with SPC</li> <li>• High School Summits</li> </ul>



# BENCHMARK 4: CURRICULUM, INSTRUCTION & ASSESSMENT



The P-TECH program shall provide a rigorous course of study that enables a participating student to receive a high school diploma, an associate degree, postsecondary certificate provided by an IHE, or industry certification during Grades 9- 14.

## **Benchmark 4: Curriculum, Instruction and Assessment:**

- Associates of Applied Science in Power Generation and Alternative Energy (60 hours)
- Construction Technology, Level 1 Certification (18 hours)
- Construction Science and Management BS (60 hours + 30 hours Year 5 = 90 hours)

## **Crosswalk**

- Will establish the Associates of Applied Science in Power Generation and Alternative Energy Fall 2024
- Course agreements with St. Philip's College
- Course request submitted February 10, 2023
- TSI requirements 945 ELAR Diag. 5/ 950 Math Diag. 6

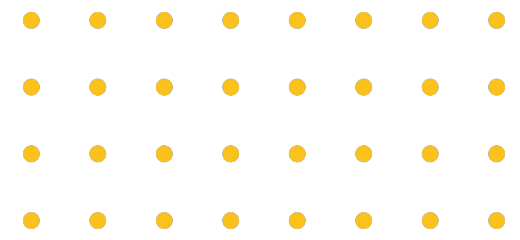
## **Staffing and Master Schedule**

- Spring 2023: COSC 1301 (SPC Professor)/ J. Cervantes (HS facilitator)
- Summer 2023: CNBT 1400 N. Zaid (SPC Professor)

## **Students location of classes**

- COSC 1301 - asynchronous
- CNBT 1400 - face-to-face, HS campus

# BENCHMARK 5: WORK-BASED LEARNING



The P-TECH program must offer students a variety of relevant, high-skill work-based learning experiences at every grade level that respond to student interest and regional employer needs and contribute to students earning aligned industry certifications and credentials.

Career Workshops	
(10) 2022 HS to Careers Event	78%
(9-10) College Readiness	81%
(9-10) P-TECH	73%
(9-10) Project Management and Entrepreneurship	75%
(10) Employment Readiness	67%
(10) Mock Interview	May

College & Career Readiness	
(9-10) Jeff Greening - Copper	85%
(9-10) TRIO Upward Bound Program	87%
(9-10) AVID Day	95%
(10) Build your Portfolio	90%
(10) Resume Writing	97%
(9-10) WorkforceSolutions Internships	April
(9-10) Women in Construction	May

Guest Speakers	
(10) SA Construction Safety Summit	83%
(9-10) Daniel Alonso - Turner Construction	88%
(9-10) Peter Soltys - HEB	92%
(9-10) Gilbert Cardenas - IES	63%
(9-10) Careers in Construction	79%
(9-10) Jeremiah Gonzalez - Architect	60%
(9-10) SpawGlass	58%

Career Mentoring	
(10) Habitat for Humanity	70%
(9-10) Construction Site Day	78%
(9-10) Engineer for a day	83%
(9-10) ACE Mentor Program	60%

Field Trips	
(10) St. Philip's College Labs	83%
(9) Career Tech Programs Exploration	65%
(10) Joint Base San Antonio Randolph	78%
(9-10) UTSA Downtown Campus ACE	50%
(10) UT Austin	100%
(9-10) Texas A&M	74%
99-10) E-Week Lab Exhibits at UTSA	68%

Industry Tours	
(10) Knight Aerospace	70%
(9-10) Job Site visit - ACE	80%
(10) RVK Architecture	82%
(10) Job Site Visit Joeris	May

**36**  
WBL Experiences

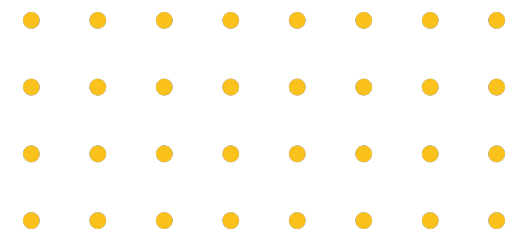
**100+**  
Hours of WBL

**77%**  
Students Participation





# BENCHMARK 6: STUDENT SUPPORT



P-TECH will provide wrap-around strategies and services involving multiple stakeholders (parents, teachers, counselors, community members, etc.) to strengthen both the academic and technical skills necessary for high school and college readiness, as well as provide academic, technical, and individual support for students to be successful in rigorous academic and work-based learning experiences.

Student Support Experience
Summer Bridge
TSIA Pull Outs
Tutoring / Intervention / Remediation
Cambridge
Accuplacer Practice Test
Communities in Schools
ACE Mentor
Positive Behavioral Interventions and Support (PBIS)

Family Outreach Events
Parent / Student Conferences
Family Engagement Night
Magnet Mini Fairs
Career & Technical Education Exploration Night
Frontline Access
Open House
End of Year Celebration
Registration Events

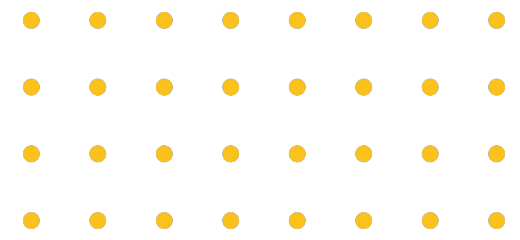
# ACCESS OBMs

## Access Outcomes-Based Measures

TEA is currently in a phase-in process for the new P-TECH Blueprint. These data are for information and planning purposes only. This information will not be used to determine designation status.

Data Indicators	Provisional	Designated	Designated with Excellence	Cohort			
				Cohort 1	Cohort 2	Cohort 3	Cohort 4
<b>Requirements</b>	Must serve <b>at-risk incoming 9th graders</b>	Must serve <b>at-risk incoming 9th graders</b> and <b>economically disadvantaged students</b> .	Must serve <b>at-risk incoming 9th graders, economically disadvantaged students</b> , and at least <b>one</b> additional target population of students.				
P-Tech proportionate to or over-represents <b>at-risk incoming 9th graders</b>	No more than 20% points under district	No more than 15% points under district	No more than 10% points under district	10/19 53%	27/35 77%	N/A	N/A
P-Tech proportionate to or over-represents <b>economically disadvantaged students</b>	No more than 10% points under district	No more than 5% points under district	Meets or over-represents district	17/19 89%	31/35 89%	N/A	N/A
P-TECH proportionate to or over-represents <b>English learners</b>	Not taken into account for designation	Not taken into account for designation	No more than 5% points under	4/19 21%	11/35 31%	N/A	N/A
P-TECH proportionate to or over-represents <b>students with disabilities</b>	Not taken into account for designation	Not taken into account for designation	No more than 5% points under	4/19 21%	10/35 29%	N/A	N/A

# ATTAINMENT OBMs

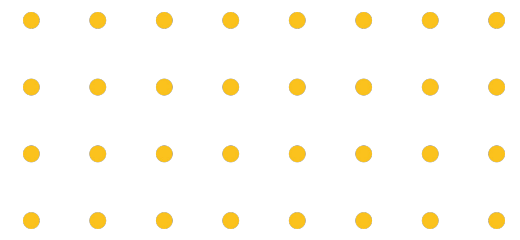


## Attainment Outcomes-Based Measures

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Data Indicators	Provisional	Designated	Designated with Excellence	Cohorts			
Requirements	Must meet college-level course and Work-Based Learning requirements	Must meet targets on at least <b>four</b> attainment data indicators	Must meet targets on at least <b>five</b> attainment data indicators	Cohort 1	Cohort 2	Cohort 3	Cohort 4
Grade-to-grade persistence by subgroup (weighted)	Not taken into account for designation	Retain 80% of students who remain in district grade to grade	Retain 90% of students who remain in district grade to grade	18/19 95% Projected	32/35 91% Projected	N/A	N/A
Completing one college-level course by the end of 11th grade (any)	80% of students (by the fourth year of implementation)	90% of students	100% of students	18/19 95%	32/35 91%	N/A	N/A
Earning postsecondary degree provided by an IHE by graduation	Not taken into account for designation	30% of students	50% of students	N/A	N/A	N/A	N/A
Earning industry certification by high school graduation	Not taken into account for designation	30% of students	50% of students	8/19 42%	11/35 31%	N/A	N/A
Earning postsecondary credential provided by an IHE or industry certificate by high school graduation	Not taken into account for designation	80% of graduating cohort of students	100% of graduating cohort of students	16/19 84%	28/35 80%	N/A	N/A
Participating in a Work-Based Learning placement/course by graduation	35% of students (by the fourth year of implementation)	50% of students	85% of students	18/19 95%	33/35 94%	N/A	N/A

# ACHIEVEMENT OBMs



## Achievement Outcomes-Based Measures

TEA is currently in a phase-in process for the new P-TECH Blueprint. These data are for information and planning purposes only. This information will not be used to determine designation status.

Data Indicators	Provisional	Designated	Designated with Excellence	Cohorts			
Requirements	Must meet at least <b>one</b> target	Must meet at least <b>three</b> achievement data indicators	Must meet at least <b>four</b> achievement data indicators	Cohort 1	Cohort 2	Cohort 3	Cohort 4
Meet TSI criteria (SAT/ACT/TSIA) in reading and mathematics	35% passing rate on one or more college readiness benchmarks	50% passing rate on one or more college readiness benchmarks	60% passing rate on one or more college readiness benchmarks	10/19 53%	18/35 51%	N/A	N/A
Earn industry certification	Not taken into account for designation	30% of students	50% of students	8/19 42% Projected	11/35 31% Projected	N/A	N/A
Complete a course for dual credit	35% of students	80% of students	100% of students	19/19 100%	35/35 100%	N/A	N/A
Earn an associate degree	Not taken into account for designation	30% of students	50% of students	N/A	N/A	N/A	N/A
Algebra I EOC assessment in 9th grade	Not taken into account for designation	85% of students meeting grade level standard	85% of students meeting grade level and 45% mastering grade level standard	85% Projected	85% Projected	N/A	N/A
English II EOC assessment (grade 9-11)	Not taken into account for designation	85% of students meeting grade level standard	85% of students meeting grade level and 25% mastering grade level standard	85% Projected	85% Projected	N/A	N/A



# Lanier CSP-TECH Goals Setting

How could we increase student enrollment in the Construction P-TECH program?

What are some suggestions to increase industry partners involved in the P-TECH program?

Please write down your suggestions and we will collect them at the end of the meeting.





# THANK YOU

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