Fox Tech

H-TECH

STEERING COMMITTEE PRESENTATION

Presenter: Jason C. Strawn
Location: NAHC 218 at San Antonio College
Date: November 7, 2023
Time:1:30 PM

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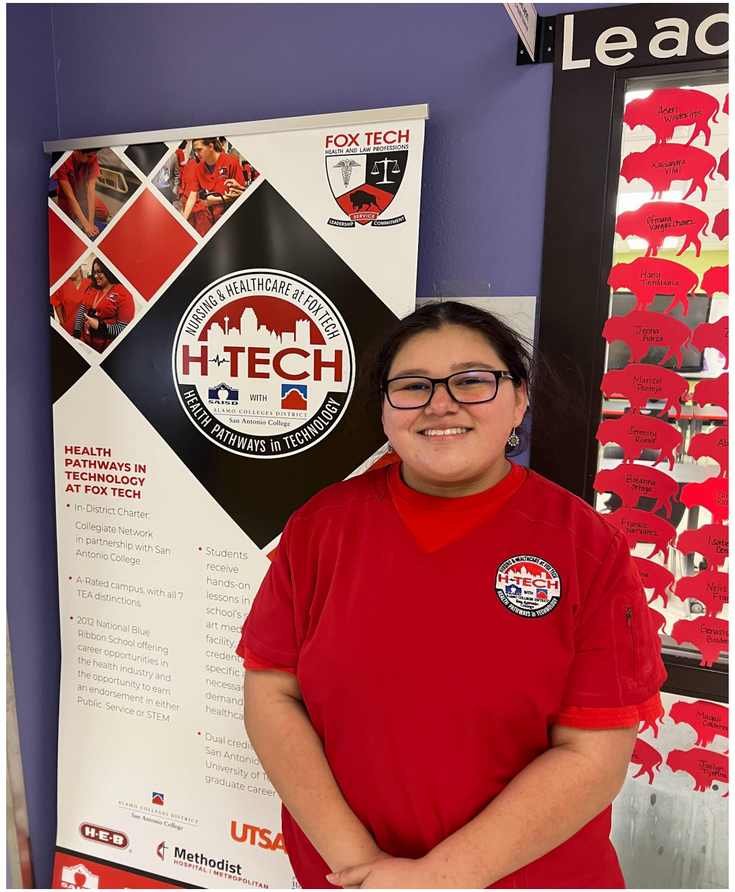
THREE P's

Purpose	Process	Payoff
To ensure students obtain Industry Based Certifications that lead to careers and college readiness after high school.	To provide information to the steering committee to help make a joint decision on best practices as they related to H-TECH at Fox Tech High School.	Students are provided with all resources needed to move into a career in Healthcare after high school graduation.
To ensure students obtain the Associate of Science degree that leads to careers and college readiness after high school.	To provide information to the steering committee to help make a joint decision on best practices as they related to H-TECH at Fox Tech High School.	Students are provided with degree to advance their post secondary goals, and to move into a career in Healthcare.

Student Success Stories



Ariana Vielldas Velazquez

Kendra Saldivar

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BENCHMARK 1: SCHOOL DESIGN

The Pathways in Technology Early College High School (P-TECH) shall establish school structures and policies, regularly convene leadership teams, and ensure adequate staff capacity for the successful implementation and sustainability of the P-TECH program.

Benchmark 1: School Design			
1.6	**Leadership Team Strategic Priorities**	★ Build a dynamic team that supports the goals of college and industry excellence. ★ Increase engagement with both college and industry partners. ★ Build in time for regularly scheduled meetings to focus the work on the students and their success.	
1.7	**Leadership Team Key Roles**	★ Jennifer Benavides, Principal ★ Kate Nelson, Assistant Principal ★ Veronica Valdovinos, Assistant Principal ★ Marisa Delacerda, Lead Counselor ★ Jason Strawn, H-TECH Coordinator ★ Mark Vargas, Dual Credit/TSI Coordinator	★ Dr. Johnny Vahalik, Assistant Superintendent of CCMR ★ Christina Mank-Allen, CTE Director ★ Yvonne Benton, P-TECH/ECHS Coordinator ★ Tamara Ford, CTE Coordinator ★ Ruby Pena, Dual Credit Coordinator ★ Brenda Burmeister, WBL Coordinator
1.8	**H-TECH Staff**	★ Jason Strawn, H-TECH Coordinator ★ Mark Vargas, Dual Credit/TSI Coordinator ★ Marisa Delacerda, Lead Counselor ★ Paige Clark, Counselor	★ Yvette Deleon, Health Department Chair/Pharmacy ★ Cesar Cardenas, EKG/PCT/Phlebotomy ★ Melissa Arimendez, PCT/Phlebotomy

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Benchmark 1: School Design		
1.9	**P-TECH Staff Professional Development**	★ Mentor/Induction Program ★ Adjunct Professors are invited to Professional Development Day at SAC ★ Continued Professional Development offered through the ACN
1.7	**Advisory Board**	★ Dr. Lillian Porter, Director of High School Programs ★ Sara Mann, Director of District Charter Partnerships ★ Kami Rapp, Market Director of Clinical Education, HCA ★ Dr. Chadi Awad, CNO, Methodist Metropolitan ★ Dr. Charles Reed, CNO, University Health ★ Dr. Chris McMillian, District Manager Walgreens

BENCHMARK 2: Partnerships

The Pathways in Technology Early High School (P-TECH) must have a current, signed memorandum of understanding (MOU) or interlocal agreement (ILA) with each Institution of Higher Education (IHE). The P-TECH must also have a current and signed agreement with each business/industry partner. Both agreements must respectively outline key issues related to the planning, implementation, and sustainability of the P-TECH program. Stakeholders shall review the MOUs and agreements annually.

ALAMO COLLEGES DISTRICT

San Antonio College

Grade Level	Class Year	Number of Students	ON TRACK TO ASSOCIATES	ON TRACK LEVEL ONE IBC CERTIFICATION
12th	2024	44	15	44
11th	2025	40	13	40
10th	2026	66	15	66
9th	2027	77	77	77

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Methodist HEALTHCARE

University Health

Walgreens

BENCHMARK 3: TARGET POPULATION

The Pathways in Technology Early College High School (P-TECH) shall target and enroll historically underserved students. The campus must enable students who are at-risk of dropping out or those who wish to accelerate completion of high school to combine high school courses and college-level courses.

Enrollment decisions shall not be based on state assessment scores, discipline history, teacher recommendations, parent or student essays, minimum grade point average (GPA), or other criteria that create barriers for student enrollment.

Grade Level	Class of (Year)	Number of Students	Attrition Rate (Oct. Snapshot, 9th Gr.)
12th	2024	44	27% (8)
11th	2025	40	22% (10)
10th	2026	66	25% (19)
9th	2027	77	N/A

Gender	Campus (%)	District (%)
Male	28% (134/486)	51% (22,674/44,746)
Female	72% (352/486)	49% (22,072/44,746)
Special Population	**Campus (%)**	**District (%)**
At-Risk	28% (137/486)	33% (14,875/44,746)
Econ. Dis.	86% (419/486)	88% (39,531/44,746)
SpEd	7% (36/486)	16% 7,040/44,746)
504	3% (17/486)	4% (1,931/44,746)
ELL	8% (38/486)	5% (2,252/44,746)

BENCHMARK 3: 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.

Degree Graduates (AA, AS, AAS, Certifications)

- Pathways
  - Associate of Science
    - 227 current students
    - Class of 2027 final cohort under this pathway
  - Associate of Applied Science
    - Nursing specific pathway
    - Will begin with Class of 2028
    - Six-year plan vs. four-year plan
    - Will complete AAS and RN certification within six-year pathway
    - Direct line to the BSN program

Recruitment plan reflection

- Timeline for recruitment
  - Begins with November Press conference: November 30, 2023 10:00 am at San Antonio College
    - Formal invitation forthcoming
    - December: ACN Open Houses for Counselors
    - November-January: Campus Open Houses/Recruitment Office Mini-Fairs

BENCHMARK 4: Academic Infrastructure

The Pathways in Technology Early College High School (P-TECH) must provide a rigorous course of study that allows students the opportunity to earn a high school diploma and enable a student to combine high school courses and college-level courses with the goal of earning industry-based certifications, certificates, and/or an associate degree and engage in appropriate work-based learning at every grade level.

Benchmark 4: Academic Infrastructure		
4.1	**Regional Need**	★ Texas Employment Growth Projections for 2020-2030 ○ Registered Nurses-17.5% ○ LPN/LVN-17.2% ○ Nurse Practitioners-73.5% ○ Physician Assistants-45.4% ○ Pharmacy Technicians-17.9%
4.3	**Course Sequence**	★ Associate of Science ○ 227 total students 9-12 ■ IBCs-PCT/Phlebotomy, EKG, Pharmacy Technician ★ Associate of Applied Science with RN ○ Projected 80 students 9 ■ IBCs-PCT/Phlebotomy, EKG, Pharmacy Technician
4.7	**College Readiness**	★ TSIA2 ○ Testing throughout the year on intervention Fridays ○ Targeted Interventions with EdReady ★ SAT/ACT ○ Interventions through Khan Academy ○ Testing offered during the school day

BENCHMARK 5: Student Support

The Pathways in Technology Early College High School (P-TECH) must provide wrap-around strategies and services involving multiple stakeholders to strengthen academic, technical, and individual support for students to be successful in their P-TECH program.

Benchmark 5: Student Supports			
5.1	**Bridge Programs**	★ 9th ○ Exposure to Industry Partners ○ All about H-TECH ○ TSIA2 Intervention and Testing ○ H-TECH T-Shirt Ceremony ★ 10th ○ Exposure to Industry Partners ○ Community Service ○ TSIA2 Intervention and Testing ○ H-TECH Pinning Ceremony	★ 11th ○ Exposure to Industry Partners ○ Community Service ○ TSIA2 Intervention and Testing ○ White Coat Ceremony ★ 12th ○ Exposure to Industry Partners ○ Community Service ○ TSIA2 Intervention and Testing ○ Senior Scrub Ceremony
5.2	**Advising**	★ Advising events happen throughout the school year: ○ Parent Advising Meetings Yearly ○ SAC Academic Advisor Nina Guerrero ○ Mark Vargas Dual Credit/TSI Coordinator ○ Jason Strawn H-TECH Coordinator	
5.3	**Student Intervention**	★ Individual tutoring provided by instructor ★ SIMS on Intervention Fridays ★ SAC provides tutoring online/in-person as necessary ★ Unique aligned schedule with our ACN partners and San Antonio College	

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Benchmark 5: Student Supports		
5.4	**Classroom Supports**	★ Student Planners ★ Academic Mentoring ★ AVID ★ Khan Academy ★ EdReady (ACN Partnership with SAC) ★ Tutor.com
5.6	**Enrichment Opportunities**	★ Enrichment ○ Guest Speakers ○ Field Trips ○ Clinical Rotations ★ Family Outreach ○ Report Card Nights ○ Meet the Teacher ○ Buffs-R-Back ○ Choice Academy Open Houses ○ Night in Old Tech ○ Monthly Parent Meetings (online/in-person) ○ President's and Dean's List Banquets

BENCHMARK 6: Work-Based Learning

Benchmark 6: Work-Based Learning			
6.1	**Work-Based Learning Continuum**	★ 9th grade ○ Exposure to industry with Guest Speakers/Field Trips ○ Medical Terminology ★ 10th ○ Building in Industry partners goals and values ○ Continued exposure with Guest Speakers/Field Trips ○ Health Science Theory	★ 11th ○ Continued exposure with Guest Speakers/Field Trips ○ Continued development of job skills ○ Anatomy and Physiology/Forensic Science ★ 12th ○ Continued development of job skills ○ Clinical Rotations with Industry partners ○ Industry-Based Certifications ■ Patient Care Technician ■ Phlebotomy Technician ■ EKG Technician ■ Pharmacy Technician
6.2	**Work-Based Learning Offerings**	★ Job Shadowing ★ Mentorship Opportunities ★ Industry Based Certifications ★ Guest Speakers ★ Field Trips ★ Clinical Rotations	
6.5	**Student Data Tracking**	★ Weekly Grade Checks ★ TSIA2 Tracker ★ H-TECH Cohort Database ★ OBM Tracker ★ Dual Credit/Academic Mentoring Facilitator Sheets	

ACCESS OBMs

Access Outcomes-Based Measures						
Student representation in the P-TECH program.						**Projected
Data Indicators	**Designated**	**Distinction**	**Cohort**			
	Must meet targets on "At-Risk Students" and "Economically-Disadvantaged Students" designated data indicators	Must meet all designated access data indicators and two access distinction data indicators	Cohort 1 (Class of 2024)	Cohort 2 (Class of 2025)	Cohort 3 (Class of 2026)	Cohort 4 (Class of 2027)
P-TECH proportionate to or over-represents **at-risk incoming 9th graders**	No more than 25% points under district (9-12)	No more than 20% under district (grades 9-12)	25% (13/44)	49% (25/40)	51% (43/66)	**50% **(39/77)**
P-TECH proportionate to or over-represents **economically disadvantaged students**	No more than 10% under district (grades 9-12)	No more than 5% under district (grades 9-12)	92% (40/44)	83% (31/40)	92% (59/66)	**90% **(69/77)**
P-TECH proportionate to or over-represents **English learners (incoming 9th graders)**	Not considered for designation	No more than 10% under district	8% (4/44)	19% (10/40)	12% (10/66)	**15% **(12/77)**
P-TECH proportionate to or over-represents **students with disabilities**	Not considered for designation	No more than 10% under district	2% (1/44)	9% (5/40)	5% (4/66)	**5% **(4/77)**

ACHIEVEMENT OBMs

Achievement Outcomes-Based Measures						
Student achievement through high school based opportunities.						**Projected
Data Indicators	**Designated**	**Designated with Excellence**	**Cohorts**			
	Must meet targets on at least three attainment data indicators	Must meet targets on at least three attainment data indicators	Cohort 1 (Class of 2024)	Cohort 2 (Class of 2025)	Cohort 3 (Class of 2026)	Cohort 4 (Class of 2027)
Algebra EOC I Assessment	70% of students achieve "Approaches Grade Level Performance" or higher by the end of 9th grade	80% of students achieve "Approaches Grade Level Performance" or higher by the end of 9th grade	80% (35/44)	29% (12/40)	60% (40/66)	**80% (62/77)
English II EOC Assessment	70% of students achieve "Approaches Grade Level Performance" or higher by the end of 11th grade	80% of students achieve "Approaches Grade Level Performance" or higher by the end of 11th grade	74% (33/44)	**88% (35/40)	**85% (56/66)	**80% (62/77)
College Readiness in Mathematics and ELA/Reading	40% of students meet TSIA criteria in mathematics and ELA/Reading (CCMR definition) by graduation	50% of students meet TSIA criteria in mathematics and ELA/Reading (CCMR definition) by graduation	38% (15/44)	40% (16/40)	**45% (30/66)	**50% (39/77)
High School Graduation Rate	Campus is within 5% of statewide 4- year graduation rate	Campus exceeds the statewide 4-year graduation rate	**100% (44/44)	**100% (40/40)	**100% (66/66)	**100% (77/77)
CTE Program Status by 11th grade	55% of students meet CTE concentrator or computer status by the end of the 11th grade	65% of students meet CTE concentrator or computer status by the end of the 11th grade	**100% (44/44)	**100% (40/40)	**100% (66/66)	**100% (77/77)
CTE Program Status by Graduation	65% of students graduate as a CTE concentrator or completer by graduation	75% of students graduate as a CTE concentrator or completer by graduation	**100% (44/44)	**100% (40/40)	**100% (66/66)	**100% (77/77)

ATTAINMENT OBMs

Attainment Outcomes-Based Measures						
Student attainment of postsecondary opportunities such as Industry-Based Certifications, Dual Credit, Level I or II Certificates, and/or Associate Degree. **Projected						
Data Indicators	**Designated**	**Designated with Excellence**	**Cohorts**			
	Must meet targets on at least three attainment designation data indicators	Must meet targets on at least three attainment designation data indicators	Cohort 1 (Class of 2024)	Cohort 2 (Class of 2025)	Cohort 3 (Class of 2026)	Cohort 4 (Class of 2027)
Earn 3 College Credits	50% of students earn 3 college credits (any) by the end of 10th grade	60% of students earn 3 college credits (any) by the end of 10th grade	100% (44/44)	53% (21/40)	**100% (66/66)	**100% (77/77)
Earn 9 College Credits	40% of students earn 9 college credits (any) by the end of 11th grade	50% of students earn 9 college credits (any) by the end of 11th grade	91% (40/44)	**94% (38/40)	**95% (63/66)	**98% (75/77)
Earn 15 College Credits	40% of students earn 15 college credits (any) by graduation	50% of students earn 15 college credits (any) by graduation	**89% (39/44)	**92% (37/40)	**95% (63/66)	**98% (75/77)
Earn a Certificate or Associate Degree	30% of students earn an associate degree or Level I or II certificate by graduation	30% of students earn an associate degree or Level I or II certificate by graduation	**45% (20/44)	**50% (20/40)	**50% (33/66)	**55% (42/77)
Earn an Industry-Based Certification (IBC)	50% of students earn an Industry-Based Certification by graduation	60% of students earn an Industry-Based Certification by graduation	**89% (39/44)	**90% (36/40)	**92% (61/66)	**95% (73/77)
Persistence	75% of students enrolled remain in the P-TECH program through graduation	85% of students enrolled remain in P-TECH program through graduation	**85% (44/52)	**77% (40/52)	**80% (53/66)	**85% (65/77)

Successes

What is working Fox Tech H-TECH?

- ★ College Success
  - 100% passing rate on Summer courses
  - 98% passing rate throughout the Fall/Spring semesters
- ★ Growing H-TECH Advisory Board
  - Members added from all Industry Partners
  - All members are active and supporting the success of H-TECH
- ★ Growing Summer Opportunities
  - Institute for Surgical Research-Joint Base San Antonio
  - Voelcker Biomedical Research Academy-UT Health San Antonio
  - Curriculum/Summer Bridge Development-University Health Systems
- ★ Second-largest Freshman Cohort
  - 77 Students

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Opportunities

What are the opportunities for growth at the Fox Tech H-TECH?

- ★ TSI Success
  - EdReady/Cambridge Materials
- ★ Program Persistence
  - High Rigor difficult classes-where can we provide the supports for student success?
- ★ Work-Based Learning
  - Development of robust WBL programming
- ★ Industry Based Certification Passing Rates
  - Pharmacy Technician
  - EKG Technician

Problem of Practice - Steering Committee

What problem of practice or challenges will we need to address for the steering committee meeting?

- ★ Funding for Full Time Staff
  - ○ Work-Based Learning Specialist
- ★ Recruitment and Retention of Qualified Teaching Staff
  - ○ Industry pay is considerably higher
  - ○ Guest Teachers
- ★ Support for Benchmark OBMs-Designated with Excellence
  - ○ Ensure CTE program of study alignment
  - ○ Increase TSI Passing Rate
  - ○ Increase on track completion of Associate of Science and
  - ○ Associate of Applied Science with RN

What stakeholders do you need present for this discussion during the steering committee meeting?

- ★ IHE (San Antonio College)
- ★ 1882 Partner (Alamo Collegiate Network)
- ★ SAISD Board
- ★ Industry Partners

THANK YOU

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