

Cyber P-TECH

Steering Committee Program
Information



Date: 11/03/2022

Presenter: Dr. Carrie Turner-Gray, P-TECH Coordinator



Did you know?

Cyber Security Professional in San Antonio, TX makes on average **\$86,510** per year.

For the **96%** of Cyber P-TECH USA Students that are considered economically disadvantaged, this is a life-changing number.



Meeting Norms and Protocol

- 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; use the parking lot for issues needing another meeting.

Presentation Goals

- To inform the steering committee of data and progress at Cyber P-TECH USA.
- To illustrate a problem of practice for group discussion and feedback.

OBM Data - Achievement

Data Indicator	Provisional	Designated	Designated with Excellence				COHORT
			2023	2024	2025	2026	
Requirements	Must meet at least one targets	Must meet at least three achievement data indicators	2023 12th Grade	2024 11th Grade	2025 10th Grade	2026 9th Grade	
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	8.6%	10.3%	Testing to be attempted in Spring 2023	Testing to be attempted in Spring 2024	
Earn industry certification	Not taken into account for designation.	30% of students	IBC to be attempted in Spring 2023	IBC to be attempted in Spring 2023	IBC to be attempted in Spring 2023	IBC to be attempted in Spring 2023	
Earn an associate degree	Not taken into account for designation.	30% of students	5.6%	N/A	N/A	N/A	
Complete a course for dual credit	35% of students	80% of students	100.0%	100.0%	100.0%	Dual Credit Begins Spring 2023	
Algebra I EOC assessment in 9th grade	Not taken into account for designation	85% of students meeting grade level standard	Waived/COVID	92.3%	66.7%	9th Grade Testing to occur in May 2023	
English II EOC assessment (grades 9-11)	Not taken into account for designation	85% of students meeting grade level standard	88.6%	89.7%	Testing to occur in April 2023	No Measure at this time.	

OBM Data - Attainment

Data Indicator	Provisional	Designated	Designated with Excellence				
			COHORT	COHORT	COHORT	COHORT	
Requirements	Must meet college-level course & WBL requirements	Must meet at least four data indicators	Must meet targets on at least five attainment data indicators	2023 12th Grade	2024 11th Grade	2025 10th Grade	2026 9th Grade
Grade-to-grade persistence by subgroup (weighted)	Not taken into account for designation	Retain 80% of students grade-to-grade	Retain 90% of students grade-to-grade	81.0%	43.3%	100.00%	100.00%
Completing one college-level course by end of 11th grade	80% of students (by the 4th year implementation)	90% of students	100% of students	100.0%	100.0%	100.0%	Dual Credit Begins Spring 2023
Earning degree provided by an IHE by graduation	Not taken into account for designation.	30% of students	50% of students	5.7%	N/A	N/A	N/A
Earning a credential provided by an IHE by graduation	Not taken into account for designation.	30% of students	50% of students	77.1%	N/A	N/A	N/A
Earning industry certification by graduation	Not taken into account for designation	30% of students	50% of students	IBC to be attempted in Spring 2023	IBC to be attempted in Spring 2023	IBC to be attempted in Spring 2023	IBC to be attempted in Spring 2023
Earning postsecondary degree or postsecondary credential by graduation	Not taken into account for designation	80% of graduating cohort of students	100% of graduating cohort of students	82.8%	N/A	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	100.0%	N/A	N/A	N/A

OBM Data - Access

Data Indicator	Provisional	Designated	COHORT				COHORT
			2023 12th Grade	2024 11th Grade	2025 10th Grade	2026 9th Grade	
Requirements	Must serve at-risk incoming 9th graders.	Must serve at-risk incoming 9th graders and economically disadvantaged students.	Designated with Excellence				
P-TECH proportionate to or over-represents at-risk incoming 9th graders	No more than 20% points under district	No more than 15% points under district	No more than 10% points under district	88%	82%	78%	67.0%
P-TECH proportionate to or over-represents economically disadvantaged students	No more than 10% points under district	No more than 5% points under district	Meets or over-represents district	96.00%	91.00%	100.00%	89.0%
P-TECH proportionate to or over-represents Emergent Bilingual students	Not taken into account for designation.	Not taken into account for designation.	No more than 5% points under district	11.40%	14.30%	10.70%	18.0%
P-TECH proportionate to or over-represents students with disabilities	Not taken into account for designation.	Not taken into account for designation.	No more than 5% points under district	13%	24.14%	17.86%	21.7%

Benchmark 1

School Design:

- Model Type: Pathways in Technology Early College High School
- Industry Partners:
 - Accenture
 - MIMS Institute Fellows, Inc
 - KTG Management and Consulting
 - H-E-B
 - GreaterSATX
 - BSidesSATX
 - (ISC)2 San Antonio
 - Cyber Future Foundation
 - SANS Institute
- Advisory Board Meetings:
 - BOY Meeting: October 25, 2022
 - Next Meetings will be:
 - November 15th, 2022
 - January 4th, 2023
 - March 1st, 2023
 - May 17th, 2023

Benchmark 2

Target Population: Demographic Information

Cyber P-TECH Enrollment Numbers as of October 2022

	9 th	10 th	11 th	12 th	13 th /14 th
Current Enrollment	28	22	29	52	--
Incoming Enrollment	11	30	67	63	--

Benchmark 2

Target Population: Demographic Information

Cohort 2023 – First Graduating Class

Degree	Current Numbers	Projected Numbers for Year 12	Projected Numbers for Year 13/14
AAS – Cybersecurity/IT	0	3	38
Level 1 Certification	2	32	45
Industry Based Certification	36	51	51

Benchmark 2

Target Population: Demographic Information

Cohort 2024

Degree	Current Numbers	Projected Numbers for Year 12	Projected Numbers for Year 13/14
AAS – Cybersecurity/IT	0	15	29
Level 1 Certification	0	22	29
Industry Based Certification	29	29	29

Benchmark 2

Target Population: Demographic Information

Cohort 2025

Degree	Current Numbers	Projected Numbers for Year 12	Projected Numbers for Year 13/14
AAS – Cybersecurity/IT	0	20	22
Level 1 Certification	0	22	22
Industry Based Certification	0	22	22

Benchmark 2

Target Population: Demographic Information

Cohort 2026

Degree	Current Numbers	Projected Numbers for Year 12	Projected Numbers for Year 13/14
AAS – Cybersecurity/IT	0	20	--
Level 1 Certification	0	25	--
Industry Based Certification	0	28	--

Benchmark 2

Target Population: Demographic Information

October Snapshot

Cohort	BOY Enrollment	October Enrollment
2023	51	51
2024	29	29
2025	22	22
2026	11	28

Benchmark 2

Target Population: Demographic Information

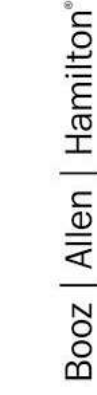
Student Demographics	9th	%	10th	%	11th	%	12th	%	Total	%
White	0	0%	1	5%	1	3%	0	0%	2	2%
Hispanic	18	64%	11	50%	17	59%	26	50%	72	55%
African American	10	36%	8	36%	10	34%	23	44%	51	39%
Asian, Pacific Islander	0	0%	0	0%	1	3%	1	2%	2	2%
American Indian/Alaska Native	0	0%	0	0%	0	0%	0	0%	0	0%
Two or more races	0	0%	2	9%	0	0%	2	4%	4	3%
Female	11	39%	7	32%	17	59%	22	42%	57	44%
Male	17	61%	15	68%	12	41%	30	58%	74	56%
Special Populations	1	4%	0	0%	5	17%	7	13%	13	10%
Economically Disadvantaged	28	100%	20	91%	28	97%	50	96%	126	96%
Special Education	3	11%	2	9%	4	14%	1	2%	10	8%
504 Program	2	7%	3	14%	3	10%	6	12%	14	11%
English Language Learner	3	11%	2	9%	5	17%	4	8%	14	11%
Homeless	0	0%	0	0%	0	0%	1	2%	1	1%

Benchmark 3

Strategic Alliances: MOU Partners



Strategic Alliances: Pending MOU Partners



Benchmark 3

Strategic Alliances: Non-MOU Industry Contacts



Benchmark 3

Strategic Alliances: Meetings and Collaborations

July	August	September	October
<p>21 - TSI Summit - Spoke to College Board, Accuplacer regarding TSI Readiness</p> <p>31 - KTG Meeting to discuss possible collaboration</p>	<p>3 - August Special Cybersecurity Council Meeting - San Antonio Chamber of Commerce</p> <p>4 - Meeting with MIMS Institute</p> <p>11 - Meeting with Army Communications Team at Ft Sam Houston</p> <p>11 - Meeting with University Hospital System IT</p> <p>18 - Meeting with Duane Mitchell, Small Business Owner</p> <p>22 - Phone Meeting with BSides National Office</p> <p>24 - ISC(2) Meeting</p> <p>25 - Meeting with Steven from BSidesSATX</p> <p>26 - Meeting with Mercedes San Antonio - Service and IT</p> <p>26 - Meeting with Cyber Future Foundation</p> <p>26 - Meeting with Anglita Crowley at Accenture</p> <p>29 - Meeting with LabSlim (CompTIA Training and Testing)</p> <p>30 - Meeting with Steven from BSidesSATX</p> <p>31 - New Age SA Panel Series - Setting the Foundation</p> <p>31 - Meeting with MIMS Institute</p>	<p>1 - Meeting with City of San Antonio IT/BC</p> <p>8 - ISC(2) Meeting</p> <p>9 - BSquared Dinner Meet and Greet</p> <p>12 - Environmental Management - Cyber Meeting</p> <p>12 - Meeting with Mr. Peter Kane, Environmental Studies and IT</p> <p>14 - BSquared Meeting</p> <p>14 - Meeting with Angelita Crowley/Accenture</p> <p>15 - Meeting with City of San Antonio - Economic Empowerment Program</p> <p>19 - Meeting with Dr. McGarrell - IT in Healthcare</p> <p>20 - Meeting with Mr. Patrick McMimmie at TSA IT and Grant Dept</p> <p>21 - Meeting with UIW</p> <p>23 - Meeting with USAA Cyber Defense Team</p> <p>25 - Good Sam - TSIA2.0 Prep Training</p> <p>25 - Meeting with Arctic Wolf - IT/Cyber Industry Tour</p> <p>28 - Meeting with Katherine Thomas - Cyber Future Foundation</p> <p>29 - Meeting with Workforce Solutions Alamo</p>	<p>6-7 - CCRSM Fall Convening - Educate Texas</p> <p>6 - San Antonio Chamber of Commerce - Cyber Tech Talk</p> <p>8 - Meeting with Waste Management</p> <p>10 - Meeting with Wayland Baptist University</p> <p>10 - Meeting with Pat Booker Dental - Potential Careers Radiography</p> <p>11 - Meeting with Frank at Cyber Patriots Texas</p> <p>12 - Meeting with Mr. Jeff Whitehead</p> <p>12 - Meeting with Professional Studies Dean at UIW</p> <p>13 - ISC2 Monthly Meeting</p> <p>13 - City of San Antonio Economic Future Foundation</p> <p>14 - Bolanle Ambonisye - Support for People of Color</p> <p>14 - Meeting with EduNatin regarding Certified Internships</p> <p>15 - Meeting with Tobin Center</p> <p>26-28 - Cyber Future Conference</p> <p>27 - Sitting on Panel for Education in Cyber for Future Generations</p> <p>18 - CTE Director Meeting - Region 20</p> <p>18 - CTAT Awards Meeting</p> <p>19 - SA Chamber Ed and Workforce Development Meeting</p> <p>20 - Cyber Charge Conference 2022</p> <p>24 - Meeting with Mr. Peter Kane - Floresville Office</p> <p>25 - Meeting with Learn at Singh for TSIA2.0 Support</p>

Benchmark 4

Curriculum, Instruction and Assessment: General Information

Program Pathway

- [Info Tech Cybersecurity Pathway](#)

Program Crosswalks by Level

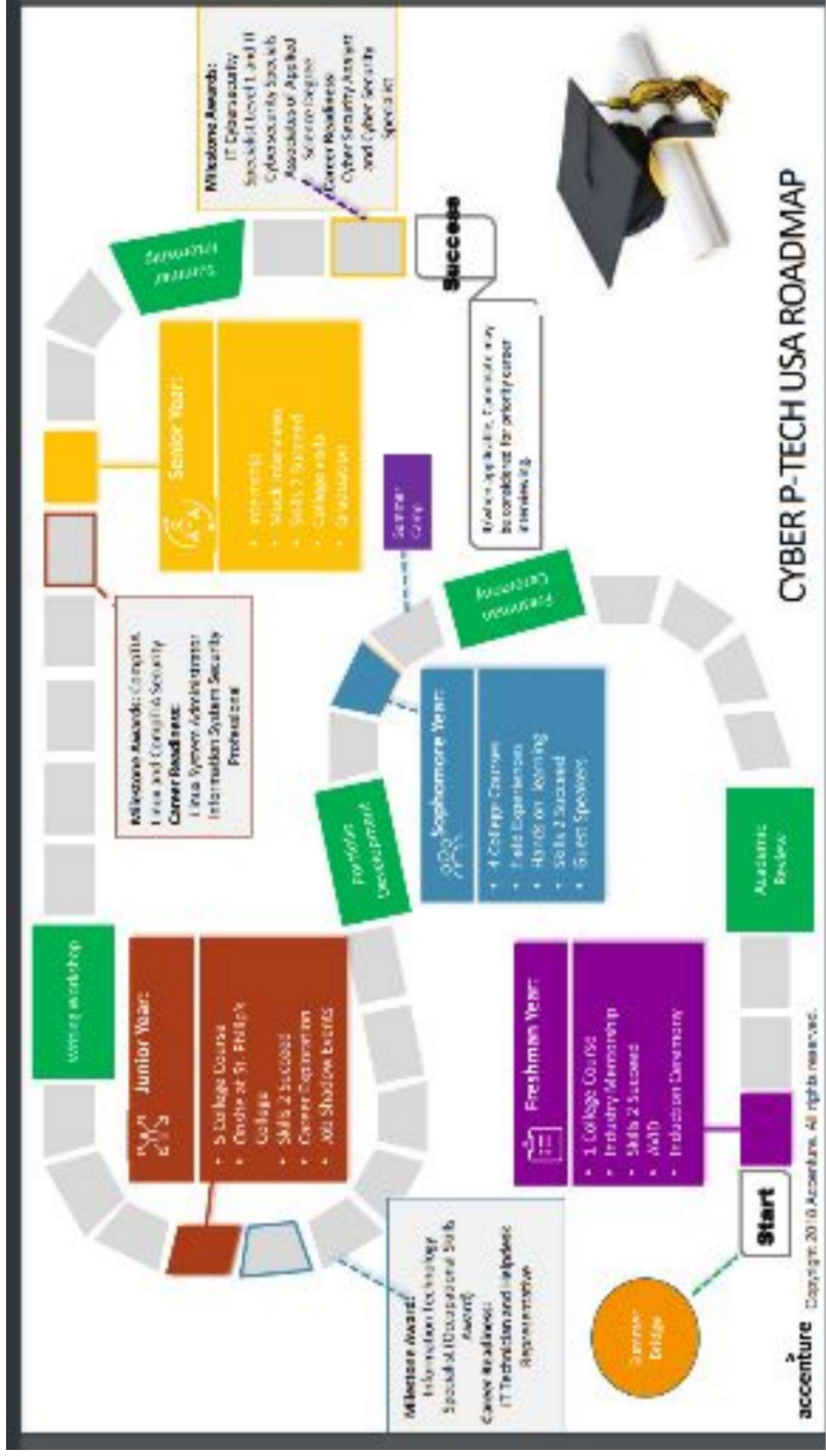
- [Industry Certification Crosswalk](#)
- [Lvl 1 Crosswalk](#)
- [4 Year AAS Crosswalk](#)
- [5-6 Year AAS Crosswalk](#)

Cyber P-TECH USA Staffing

- Dr. Carrie Turner-Gray, P-TECH Coordinator
- Mr. Ron Henderson, P-TECH Support Teacher
- Mrs. Zak Abbas, Cybersecurity Teacher
- Open Position, Cybersecurity Teacher

Benchmark 4

Curriculum, Instruction and Assessment: Freshman Cohort Timeline



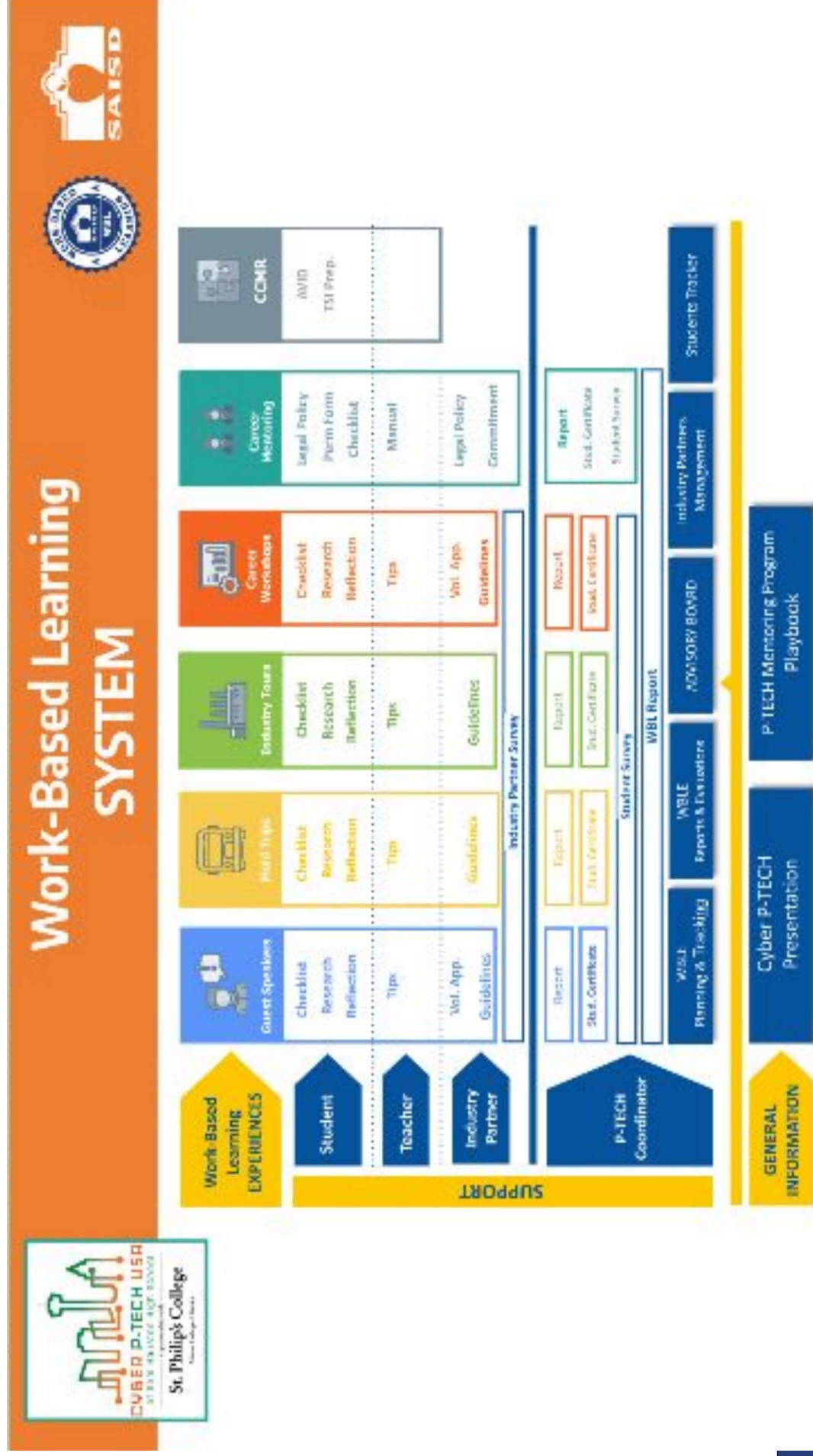
Benchmark 4

Curriculum, Instruction and Assessment: Student Class Location

ACCD Course	ACCD Course Number	Location	Facilitator
ITNW	1425	Online	Abbas
SPCH	1321	Online	Open
ITSY	1342	Online	Open
ITNW	2412	Hybrid at SPC	Open
ITSY	2301	Online	Open
ITSY	2430	Online	Open
ITSY	2442	Online	Open
MATH	1332	Online	Open
ITSC	1342	Online	Open
ITNW	1308	Online	Open

Benchmark 5

Work – Based Learning: Career Exploration



Benchmark 5

Work – Based Learning: Soft Skills

Cyber P-TECH USA provides lessons for its students in the form of Career Workshops on the following, industry requested topics:

Time Management	Project Management
Leadership	Cultural Intelligence
Verbal Communication Skills	Non-Verbal Communication Skills
Collaboration	Listening Skills
Organization	Problem Solving

Benchmark 5

Work – Based Learning:

- **Digital Portfolios**
 - **Required Information:**
 - **College Coursework**
 - **High School Coursework**
 - **Extracurriculars**
 - **Contact Information**
 - **Resume**
 - **References**
 - **Examples of Work**
 - **Professional Goal Setting**
 - **SMART Goals**
 - **Current, 5-Year, Stretch**

Benchmark 6

Student Support: Summer Bridge

- Summer 2022 Bridge Cancelled due to Coordinator Change
 - 2022-2023 Bridge occurring in class and in Hurricane Time
 - Meet the Teachers, Instructors, and Staff
 - 1st Day of School
 - Campus Leadership Training
 - Meet the Teacher
 - Meet the Hurricanes
 - 9th Grade Campus Tour - November 10, 2022
 - 10th, 11th, and 12th Campus Tours - TBD
 - Overview of Program
 - TSIA2.0
 - Good Sam Intensive - September 26, 2022
 - Singh Intensive - November 14, 2022
 - In class review - all classes in P-TECH
 - Presentations from IHE Partners Monthly
 - September - Angelita Crawley, Accenture
 - September - Workforce Solutions Alamo Presentations
 - October - Great SATX - Cyber Security Week
 - October - Cyber Future Foundation - Scholarship to attend Conference
 - November - BSidesSATX
 - November - ISC2

Miscellaneous Information

Problem of Study: Year 13/14 Support

- **Students that have not attained an Associates Degree upon High School graduation will be supported in year 13 and 14 towards attainment.**
 - **Tuition, Books, and Fees**
 - **Alamo Promise**
 - **Transportation**
 - **VIA**
 - **SAISD Transportation**
 - **Nutrition Services**
 - **Child Nutrition at St Philip's Early College High School**
 - **Additional Supports**
 - **Paid Internships - Clock 20 hours per week**
 - **Academic Advising**
 - **Academic Support**

Thank you

Date: 11/03/2022

Presenter: Dr. Carrie Turner-Gray, P-TECH Coordinator

