

# Highlands P-TECH Welcome Night

Spring 2023



# Meet the Team – Administration

## Michelle Garcia

### P-TECH Coordinator

- *11 Years at Highlands HS*
- *MA, STEM Education - University of Texas at Austin*
- *Former Science Teacher*

## Lorenzo Pena

### P-TECH Support Teacher

- *19 Years in Education*
- *Bachelor's Degree UTSA*
- *Former Head Basketball Coach, AVID Instructor, and Mentoring Expert*

# Meet the Team – Counseling & Student Support

## Emma Dromgoole

### Academic Counselor

- *9 Years in Education*
- *MA in Guidance & Counseling at Texas A&M San Antonio*
- *Former Math Teacher*

## Sunny Hernandez

### St. Philip's College High School Programs Coordinator

- *8 Years in Higher Education*
- *Former Academic Advisor for College Programs*
- *MA from Dartmouth College*

# Meet the Team – Teachers

## J.R. Broils

### Engineering Instructor

- *16 Years at Highlands HS*
- *BS Industrial Arts Education - Fort Hays State University*
- *Autodesk Certification MASTER - Most Engineering Student Certifications in SAISD*

## David Lerma

### Manufacturing Instructor

- *Dual Credit Adjunct - St. Philip's College*
- *32 Years Experience in Manufacturing Industry - Sony Semiconductor, Standard Aero, SAISD Facilities*

# Meet the Team – Teachers

## Roberto Coronado

### Engineering Instructor

- *Robotics, electronics, and CAD expertise*
- ***Highlands HS New Teacher of the Year 2022-2023!***
- *BS, Engineering, University of Texas San Antonio*

## Neuman Altakrouri

### Welding Instructor

- *Dual Credit Adjunct - St. Philip's College*
- *7 Years Welding Industry Experience (Pipe and Structural Certified) API/AWS*
- *Associate in Agricultural Science, with Honors*
- *Associate in Welding Technology*

# Highlands P-TECH Higher Education Partner



ALAMO  
COLLEGES  
DISTRICT

---

**St. Philip's College**

# Work-Based Learning



**Guest Speakers**



**Industry Tours**



**Career Workshops**



**Career Mentoring**



ALAMO  
COLLEGES  
DISTRICT

St. Philip's College

TXFAM 



SAN ANTONIO  
INTERNATIONAL AIRPORT



JOYSON  
SAFETY SYSTEMS



# Sample Schedule for P-TECH High School

9th	10th	11th	12th
1. Eng	1. Eng	1. Eng	1. Eng
2. Math	2. Math	2. Math	2. Math
3. Science	3. Science	3. Science	3. Science
4. Social Studies	4. Social Studies	4. Social Studies	4. Social Studies
5. Foreign Language	5. Foreign Language	5. Elective	5. Elective
6. PE/Fine Art/ Elective	<b>6. AVID</b>	<b>6. AVID</b>	<b>6. AVID</b>
<b>7 AVID</b>	<b>7. P-TECH Career Course</b>	<b>7. P-TECH Career Course</b>	<b>7. P-TECH Career Course</b>
<b>8 P-TECH College &amp; Career Readiness</b>	<b>8. P-TECH Career Course</b>	<b>8. P-TECH Career Course</b>	<b>8. P-TECH Career Course</b>

*Courses at Highlands  
campus*

*Aero begins courses  
at SPC campus*

*All other students begin taking courses at  
SPC campuses.*





# The P-TECH Difference

## Technician Programs



Manufacturing



Aerospace



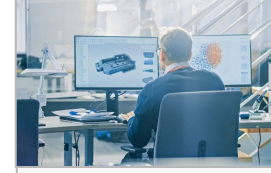
Welding



- AAS Degree in 5-6 Years
- Level 1 Certificate in 4 Years
- Enter Workforce upon graduation
- Heavy Career & Skills Focus



## University Prep. Program



Engineering

- AS Degree Possible depending on student goals
- Career & Core Subject Focus
- Apply to University for Bachelor's Degree upon graduation

# P-TECH 4-6 Year Plans

All 9th Grade Students in the Class of 2027 will have the same P-TECH course - no need to choose a pathway YET!

Links available online at  
[www.saisd.net/highlandsptech](http://www.saisd.net/highlandsptech)

[Aerospace](#)

[Engineering](#)

[Manufacturing](#)

[Welding](#)

*9th Grade Drone Program funded by  
Dee Howard Program launching in  
2023-2024 school year!*





# TSIA2 Exam Requirements

## Technician Programs



Manufacturing



Aerospace

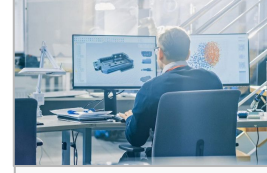


Welding

- **Pass TSIA2 ELAR and Math** by December of 10th grade to complete core college courses required for AAS degrees.

**REQUIRED**

## University Prep. Program



Engineering

- **Pass TSIA2 ELAR and Math** by December of 10th grade in order to register for **most** college classes in this pathway!

**REQUIRED**



# Summer Bridge 2023

## P-TECH Summer Bridge

*Required Orientation Week*

July 17-21, 2023

Times to be announced...



*Check your e-mail or Remind 101 messages for details coming soon!*

# Get Involved!

*Join the Owl Nation and get the most out of your high school experience...*



**Athletics**

**JROTC**

**Fine Arts Programs**

**National Honor Society**

**STEM Clubs**

**Leadership/Student Council**

**Special Events with St. Philip's  
College and Industry Partners**

# Communications – Stay Connected!

## Remind 101 Group

- Parents & Students
  - Code **@eeahe86**
  - Phone #81010

**E-mail:** Check your email frequently for updates

## Website

- [www.saisd.net/highlandsptech](http://www.saisd.net/highlandsptech)

## Social Media

- Instagram:  
**@highlandsptech**



## Library Stations:

- **Photo Booth** - Take a photo with your friends and/or family! Tag us on social media!
- Coordinator and Support Teacher Q&A
- Meet the Teachers
- Registration Help
- Refreshments

***THANK YOU FOR COMING!***