



# STEM ACADEMY: FACULTY MEETING

THURSDAY, SEPTEMBER 12

2:55PM

REL S101

# AGENDA

Introductions

Mission/ Vision

Strategic Priorities

NCAC NSOPS Review

P-TECH OBMS Review

Expectations

Data

Upcoming Dates

# Introductions



**Sara Malloy**  
**CTE Specialist**



**TaMara Price**  
**Academy AP**



**Angie Batiste**  
**Academy**  
**Counselor**

# KNOW OUR WHY

Vision and Mission  
posters have been  
ordered for Academy  
classrooms

GOOSE CREEK CISD



## Vision

Inspiring students to problem-solve, innovate and transform their communities.



## Mission

Preparing students for college and careers as scientists, technologists, engineers and mathematicians in a global society.



# STRATEGIC PRIORITIES

From now until May 2025

GOOSE CREEK CISD



## Goal # 1

Increase member enrollment in student organizations by 25%.



## Goal # 2

Increase female enrollment in Academy by 4% for Cohort 2028



## Goal # 3

Increase pass rate for all STEM IBC exams attempted by 60%

# STRATEGIC PRIORITIES

From now until May 2025

GOOSE CREEK CISD



## Goal # 4

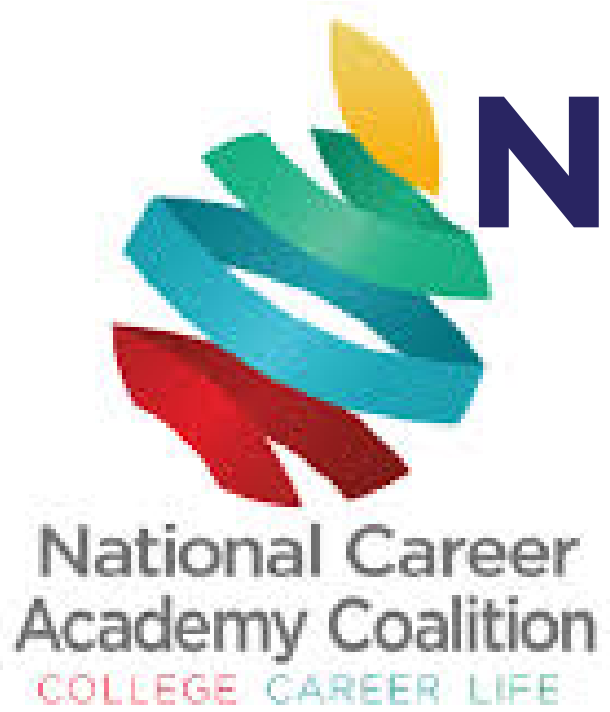
Increase participation in the Academy Advisory Board by adding 2 new company representatives.



## Goal # 5

All Academy students will participate in at least 3 of the following activities:

- Field Trips
- Guest Speakers
- Work-based Learning
- Dual Credit



# NATIONAL CAREER ACADEMY COALITION (NCAC)

National Standards of Practice (NSOPs)



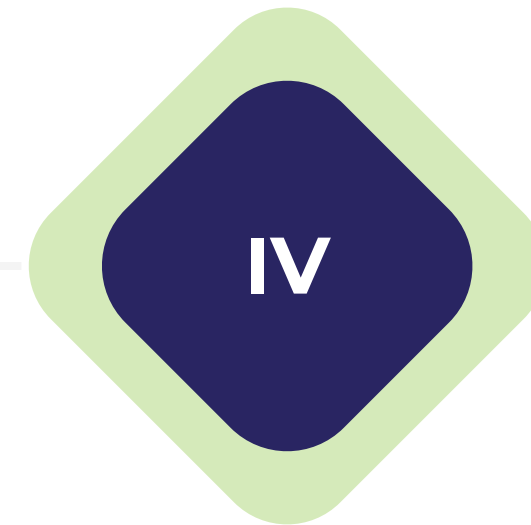
Defined Mission and  
Goals



Academy Design



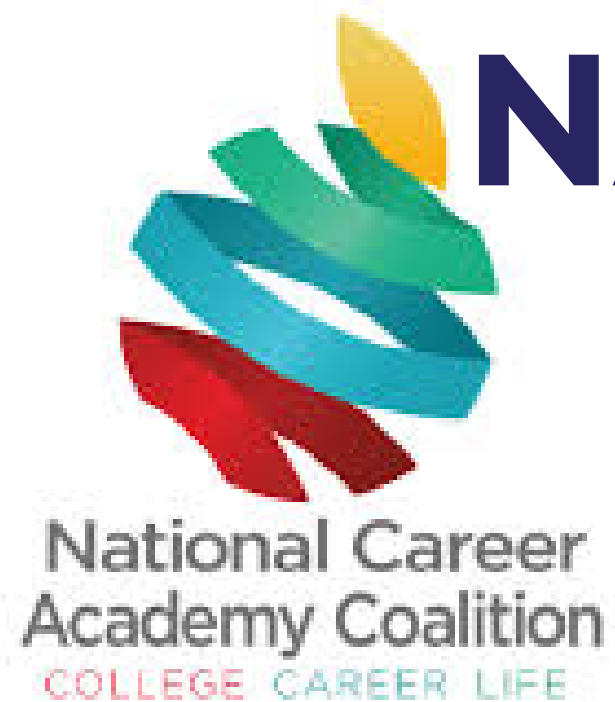
Host Community &  
High School



Faculty & Staff



Professional  
Development &  
Continuous  
Learning



# NATIONAL CAREER ACADEMY COALITION (NCAC)

National Standards of Practice (NSOPs)



# P-TECH DESIGNATION

Pathways to Technology



**PATHWAYS IN  
TECHNOLOGY**  
EARLY COLLEGE  
HIGH SCHOOL

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Benchmarks:

- School Design
- Partnerships
- Target Population
- Academic Infrastructure
- Student Supports
- Work-based Learning

# P-TECH DESIGNATION

Pathways to Technology



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Outcomes-Based Measures  
(OBMs):

- Access
- Achievement
- Attainment



# P-TECH DESIGNATION

Pathways to Technology  
OBM 1: Access

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Data Indicators	Requirements	
	Designated P-TECH	Designated with Distinction
	<i>Must meet targets on “At-Risk Students” <b>and</b> “Economically-Disadvantaged Students” designation data indicators</i>	<i>Must meet all designation access data indicators and <b>two</b> access distinction data indicators</i>
At-Risk Students	No more than 25% under district (grades 9-12)	No more than 20% under district (grades 9-12)
Economically-Disadvantaged Students	No more than 10% under district (grades 9-12)	No more than 5% under district (grades 9-12)
Emergent Bilingual Students	Not considered for designation	No more than 10% points under district
Students with Disabilities	Not considered for designation	No more than 10% points under district

# P-TECH DESIGNATION

Pathways to Technology  
OBM 2: Achievement

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Data Indicators	Requirements	
	Designated P-TECH	Designated with Distinction
	<i>Must meet targets on at least <b>three</b> achievement designation data indicators</i>	<i>Must meet targets on at least <b>three</b> achievement distinction data indicators</i>
Algebra I EOC Assessment	70% of students achieve "Approaches Grade Level Performance" or higher by the end of 10 <sup>th</sup> grade	80% of students achieve "Approaches Grade Level Performance" or higher by the end of 10 <sup>th</sup> grade
English II EOC Assessment	70% of students achieve "Approaches Grade Level Performance" or higher by the end of 11 <sup>th</sup> grade	80% of students achieve "Approaches Grade Level Performance" or higher by the end of 11 <sup>th</sup> grade
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
High School Graduation Rate	Campus is within 5% of statewide 4- year graduation rate	Campus exceeds the statewide 4-year graduation rate
CTE Program Status by 11 <sup>th</sup> grade	55% of students meet CTE concentrator or completer status by the end of 11 <sup>th</sup> grade	65% of students meet CTE concentrator or completer status by the end of 11 <sup>th</sup> grade
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

# P-TECH DESIGNATION

Pathways to Technology  
OBM 2: Attainment

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Data Indicators	Requirements	
	Designated P-TECH	Designated with Distinction
	<i>Must meet targets on at least <b>three</b> attainment designation data indicators</i>	<i>Must meet targets on at least <b>three</b> attainment distinction data indicators</i>
Earn 3 College Credits	50% of students earn 3 college credits (any) by the end of 10 <sup>th</sup> grade	60% of students earn 3 college credits (any) by the end of 10 <sup>th</sup> grade
Earn 9 College Credits	40% of students earn 9 college credits (any) by the end of 11 <sup>th</sup> grade	50% of students earn 9 college credits (any) by the end of 11 <sup>th</sup> grade
Earn 15 College Credits	40% of students earn 15 college credits (any) by graduation	50% of students earn 15 college credits (any) by graduation
Earn a Certificate or Associate Degree	30% of students earn an associate degree or Level I or II certificate or associate degree by graduation	40% of students earn an associate degree or Level I or II certificate or associate degree by graduation
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
Persistence	75% of students enrolled remain in the P-TECH program through graduation	85% of students enrolled remain in the P-TECH program through graduation

# STUDENT EXPECTATIONS

- Attendance (Seat time=credit)
- Complete Assignments/Grades
- Wear ID
- Adhere to the code of conduct

Expectations are outlined in Academy Handbook and were reviewed during STEM Academy Class meeting

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# STUDENT EXPECTATIONS

If expectations are not met:

- Academic Success Plan
- Probation (limited access to Academy activities like field trips)
- Dismissal from Academy

General Misconduct

Alternative Education Program

Due Process

Resignation from Academy (at semester only)





# Academy Expectations

- ◆ Project-based Learning
  - Resources in Google Shared Drive
- ◆ Interdisciplinary Planning
  - Common themes & concepts, big ideas, universal skills
- ◆ Experiences
  - Guest Speakers, Field Trips, Career topics in core classes, Relevant projects



# Academy Expectations

## Professional Learning Communities

- Grade level teams meet 1 time per week
- Whole group meets 1 time per 9 weeks
- Interdisciplinary planning
- Student data
  - How do AC students compare to regular
  - Student grades and attendance issues
- Meeting minutes in Google Shared Drive

# Grade Level PLCs

Meeting template available in Google Shared Drive

1. First meeting

- Develop norms

2. Record meeting minutes in template

3. Prepare in advance

- Know your upcoming standards/planning method

4. During meeting, find/talk about common big ideas, common skills, common concepts (use AI!)

5. Plan how to incorporate themes into core classes

- Articles on topic
- Skills needed to work in career
- Technical writing skills
- Word problems or data sets relating to career
- Highlight historical events related to field

6. Discuss struggling students & intervention plans

7. Discuss successful students

# COHORT DATA

STEM Academy					
	2025	2026	2027	2028	ALL
Enrollment	82	89	57	65	293
% Female	21.95%	21.35%	26.32%	36.92%	25.94%
% Male	78.05%	78.65%	73.68%	63.08%	74.06%
% Hispanic	57.32%	75.28%	84.21%	64.62%	69.62%
% Am Ind/Alask	0.00%	2.25%	1.75%	1.54%	1.37%
% Asian	2.44%	3.37%	0.00%	1.54%	2.05%
% Black	10.98%	7.87%	3.51%	13.85%	9.22%
% Haw/PacIsl	0.00%	0.00%	0.00%	0.00%	0.00%
% White	4.88%	11.24%	10.53%	12.31%	9.56%
% 2 or more	2.44%	0.00%	0.00%	6.15%	2.05%
% At-Risk	18.29%	23.60%	26.32%	56.92%	30.03%
% Econ Dis	65.85%	76.40%	68.42%	73.85%	71.33%
% EB	12.20%	17.98%	14.04%	26.15%	17.41%
% 504	12.20%	11.24%	7.02%	13.85%	11.26%
% SPED	10.98%	13.48%	8.77%	9.23%	10.92%

# UPDATES & UPCOMING DATES

GOOSE CREEK CISD



## Monthly Newsletter



## TSIA2 Prep

We have EdReady until  
December, Schmoop



## Dates

Sept 17: Open House  
Sept 18: Advisory Board  
Oct 23: College/Career Night  
@ GCM