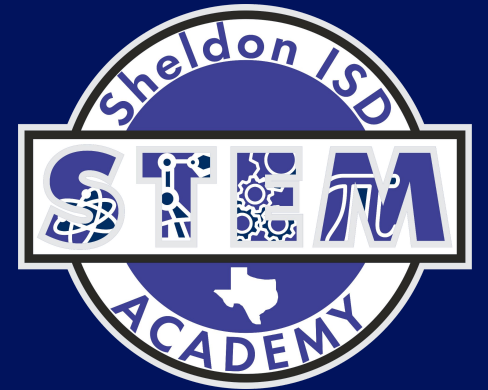




**Greatness  
STEMs from  
here!**



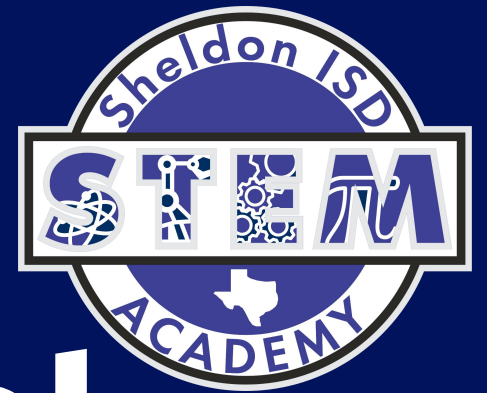
**Welcome to  
C.E. King High School**

# Presentación en español



**Grandeza  
Surge de  
Aquí!**

# Bienvenidos a C.E. King High School



# STEM ACADEMY TEAM:



**Mrs. Becky Zalesnik**

**Executive Director of Innovative Programs - SISD**

**Dr. Stephanie Moye**

**Coordinator of Innovative Programs HS - SISD**

**Ms. Anike Allen**

**Coordinator of Innovative Programs MS - SISD**

**Dr. Jillian Howard**

**Principal - C.E. King High School**

**Mr. Ryan Upshaw**

**STEM Academy Principal - KHS STEM/P-TECH**

**Mrs. Yvonne Garza**

**STEM Academy Counselor - KHS STEM/P-TECH**

**Mrs. Jessica Johnson**

**STEM Academy Secretary- KHS STEM/P-TECH**

**Mrs. Dawona Miles**

**Coordinator of Dual Credit- SISD**

**Ms. Dameria Boston**

**Dual Credit Director - San Jacinto College - North**

# STEM/P-TECH ACADEMY at KHS

*Students in the Sheldon ISD STEM/P-TECH program will....*

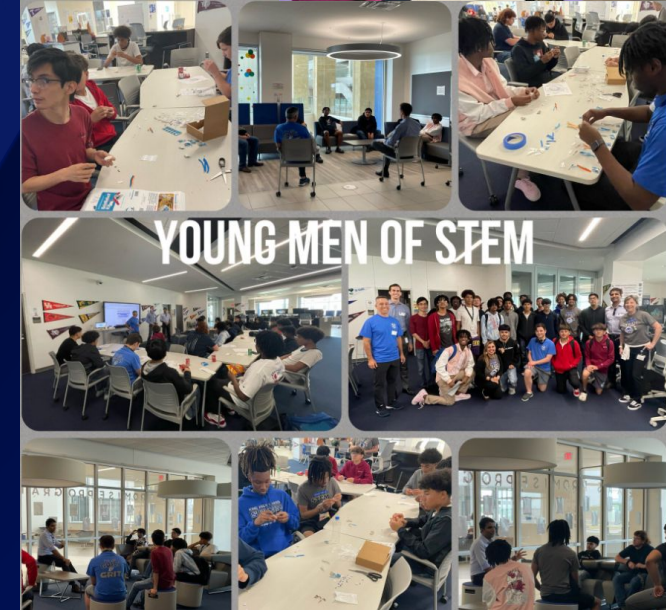
- ◎ Build confidence
- ◎ Think critically
- ◎ Communicate effectively orally and in writing
- ◎ Solve problems
- ◎ Collaborate with others
- ◎ Strengthen and utilize creativity
- ◎ Manage time and resources
- ◎ Demonstrate a growth mindset
- ◎ Develop GRIT!





# WHY KHS STEM/P-TECH ACADEMY?

- Earn college credit at NO cost
- College/Career preparedness - AVID
- Built in Student Support- Friday Grade Checks
- Exposure to Industry opportunities & mentors
- Field Experiences
- Guest Speakers- Lunch & Learns
- Project Based Learning & Academy equipment
- Leadership opportunities



# TEA Designation



The P-TECH Blueprint provides foundational principles and standards for innovative partnerships with colleges, universities, and industry. The hallmark of the P-TECH model is its career focus and the provision of work-based education.

Benefits of being a P-TECH program:

- Provides a path for students to attend both high school and college courses. \*FREE
- Allows students to gain work experience through internships, job shadowing, etc.
- Aligns to regional workforce needs, guiding students into high-demand, high wage STEM careers.
- Provides opportunities to get industry-based certifications prior to graduation. \*FREE
- Provides students access to post-secondary education and workforce training opportunities.



# WHAT TO EXPECT IN THE STEM/P-TECH ACADEMY

- Career Exploration
- STEM Clubs and organizations
- Pre-AP Math, Science, English and Social Studies
- 4 STEM classes (at least one per year)



\*Examples of Electives: Engineering, Computer Science, Biomed

- 15-60 college hours
- NEW P-TECH Designation allows for possible **Associate's Degree**
- Advanced Placement and college courses
- Industry Certifications
- AVID - ALL 4 years for support





# WHAT IS EXPECTED IN THE STEM/P-TECH ACADEMY?

- COLLEGE PREPARATORY PROGRAM -
  - All core classes are PreAP and AP
  - **Must earn at least 15 college hours by Graduation** (that's about 5 college classes)
  - Must work on TSIA test prep in order to pass and take college courses
- **WILLINGNESS TO WORK HARD**
- **HAVE GOOD DISCIPLINE, ATTENDANCE, & GRADES**





# What will high school STEM/ P-TECH look like?

## Freshman

- ⊙ TSIA2 testing
- ⊙ PSAT 9
- ⊙ Apply Texas
- ⊙ Program of study
- ⊙ College tours
- ⊙ Career Talks/ Guest Speakers
- ⊙ AVID
- ⊙ Selected students will begin San Jac

## Sophomore

- ⊙ TSIA2 testing
- ⊙ PSAT 10
- ⊙ College tours
- ⊙ Career Talks/
- ⊙ Guest Speakers
- ⊙ AVID
- ⊙ Selected students will begin San Jac

## Junior

- ⊙ Begin attending San Jacinto classes
- ⊙ Opportunity to earn letterman jacket
- ⊙ Preparation for college applications
- ⊙ AP exams
- ⊙ SAT/ACT
- ⊙ AVID

## Senior

- ⊙ Continued attendance at San Jacinto college
- ⊙ Internships/Work Based
- ⊙ College applications
- ⊙ Scholarship applications
- ⊙ AVID
- ⊙ Certifications

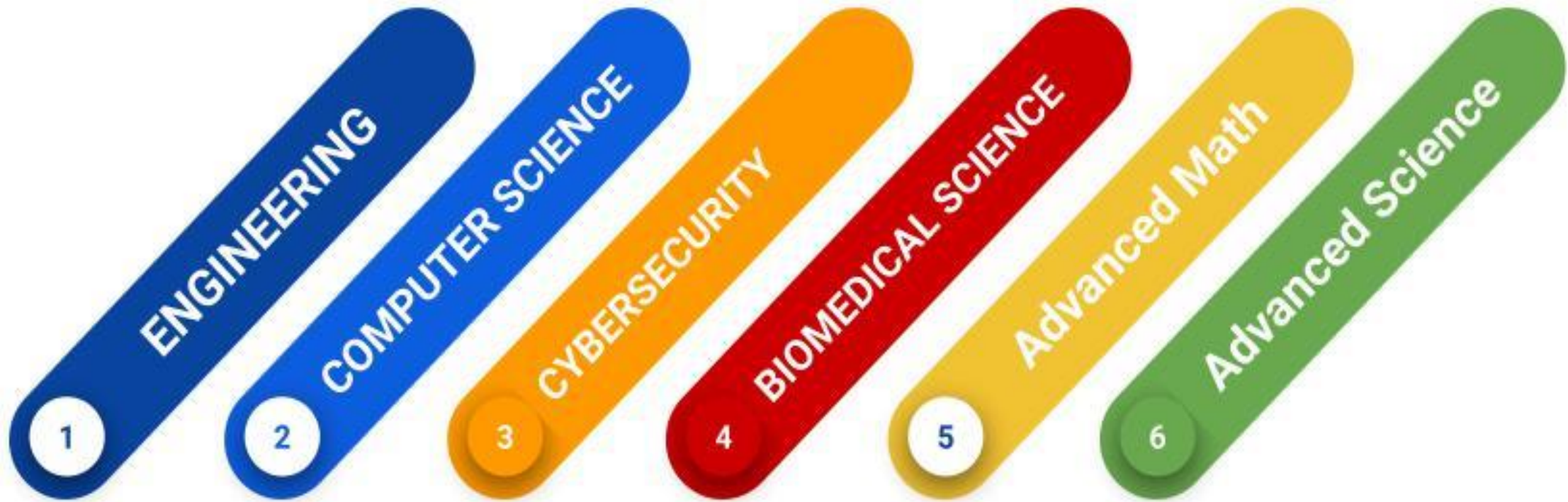
# What is TSIA2?

The Texas Success Initiative (TSI) is the statute that requires all Texas public institutions of higher education to determine the readiness of all non-exempt, entering undergraduate students to enroll in freshman-level academic courses (see TEC, 51.336).

- ⦿ Multiple choice questions (Math & ELAR)
- ⦿ Written essay (Writing)
- ⦿ Untimed
- ⦿ Results upon completion
- ⦿ Can pass one section at a time



# STEM Endorsements / 6 Programs of Study in STEM/P-TECH ACADEMY





# STEM/P-TECH 4 Year Plan:

9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
English 1 PAP	English 2 PAP	AP English 3	AP ENG 4 or ENGL 1301/02 or Research/Tech. Writing
Algebra I or Geometry PAP	Geometry PAP and/or Algebra 2 PAP	ALG II or III or MATH 1314 / HUMA 1301	Adv. Math MATH 2412 / 2414
Biology PAP	Chemistry PAP	Physics AP	Adv. Science Envirsys
World Geography PAP	World History AP	U.S. History AP or HIST 1301/02	AP Economics / AP Gov't or Gov't 2305/06
STEM AVID I	STEM AVID II	STEM AVID III	STEM AVID IV
Spanish I or French I	Spanish II or French II	MUSI 1310 or ARTS 1301 / SPCH 1315	Practicum
Physical Education	Elective Available	Elective Available	Elective Available
Prin of BioMedical Science	Human Body Systems	Medical Interventions	Practicum in Biomedical Science
Intro to Engineering Design	Engineering Science	Engineering Design & Development	Engineering Design
Fund. Comp Science	AP Comp Sci Prin	Computer Science 2 (SJC) and/or Mobile App Development	Programming & Software Development

# Understanding Course Selection & Dual Credit Courses





# SAN JACINTO COLLEGE - NORTH

- FERPA
- Core Curriculum
- GPA and Academic Standing



 SAN JACINTO<sup>SM</sup>  
COLLEGE





# FERPA

## What is FERPA?

The Family Educational Rights and Privacy Act (FERPA) is a Federal law that protects the privacy of student educational records. The law applies to all schools that receive funds under an applicable program of the U.S. Department of Education.

## Does FERPA give me a right to see education records of my son or daughter who is in college?

When a student turns 18 years old or enters a postsecondary institution at any age, all rights afforded to parents under FERPA transfer to the student.

## What if my child asked me to register them or order a transcript?

Students are free to give their S.O.S log-in information to their parents if they wish. The S.O.S account can be used to view an unofficial transcript, print a degree evaluation, order official transcripts for college/university applications, and check class schedules.

## How do I get more information on FERPA?

Visit the FERPA website at: [www.ed.gov/policy/gen/guid/fpco/ferpa/index.html](http://www.ed.gov/policy/gen/guid/fpco/ferpa/index.html)

# Core Curriculum

## What is Core Curriculum?

- 42 semester credit hour of “basics” included in all bachelors degrees at state funded college and universities.

Core Component	Classes Taken at San Jacinto College
Communication	ENGL 1301, ENGL 1302
Mathematics	MATH 1314
Science	PHYS 1301/1302 or PHYS 2325/2326
Language, Philosophy & Culture	HUMA 1301
Creative Arts	MUSI 1310
American History	HIST 1301, HIST 1302
Government	GOVT 2305, GOVT 2306
Social & Behavioral Science	SOCI 1301
Component Area Option	SPCH 1315, BCIS 1305

# Grades Matter

Many STEM programs are competitive. You must meet the admissions requirements to join the program.

To qualify for financial aid you must complete 75% of the courses you take and must maintain a 2.0 GPA.

Grades matter.

AREA	REQUIRED GPA
All college level work attempted	3.25
All calculus courses and math courses with calculus prerequisites attempted	3.00
All college level science courses* required by any engineering major attempted	3.00
All college level non-remedial English courses attempted	2.50
All college level engineering courses attempted	3.00
To be admitted, students must have credit for (can include AP credit):	
> Calculus I	
> Calculus II	
> General Chemistry I	
> "Calculus-based" Physics I	
In the calculation of each GPA, all attempts taken at any institution count — even if a course was repeated.	



# Special Notes about Dual Credit:

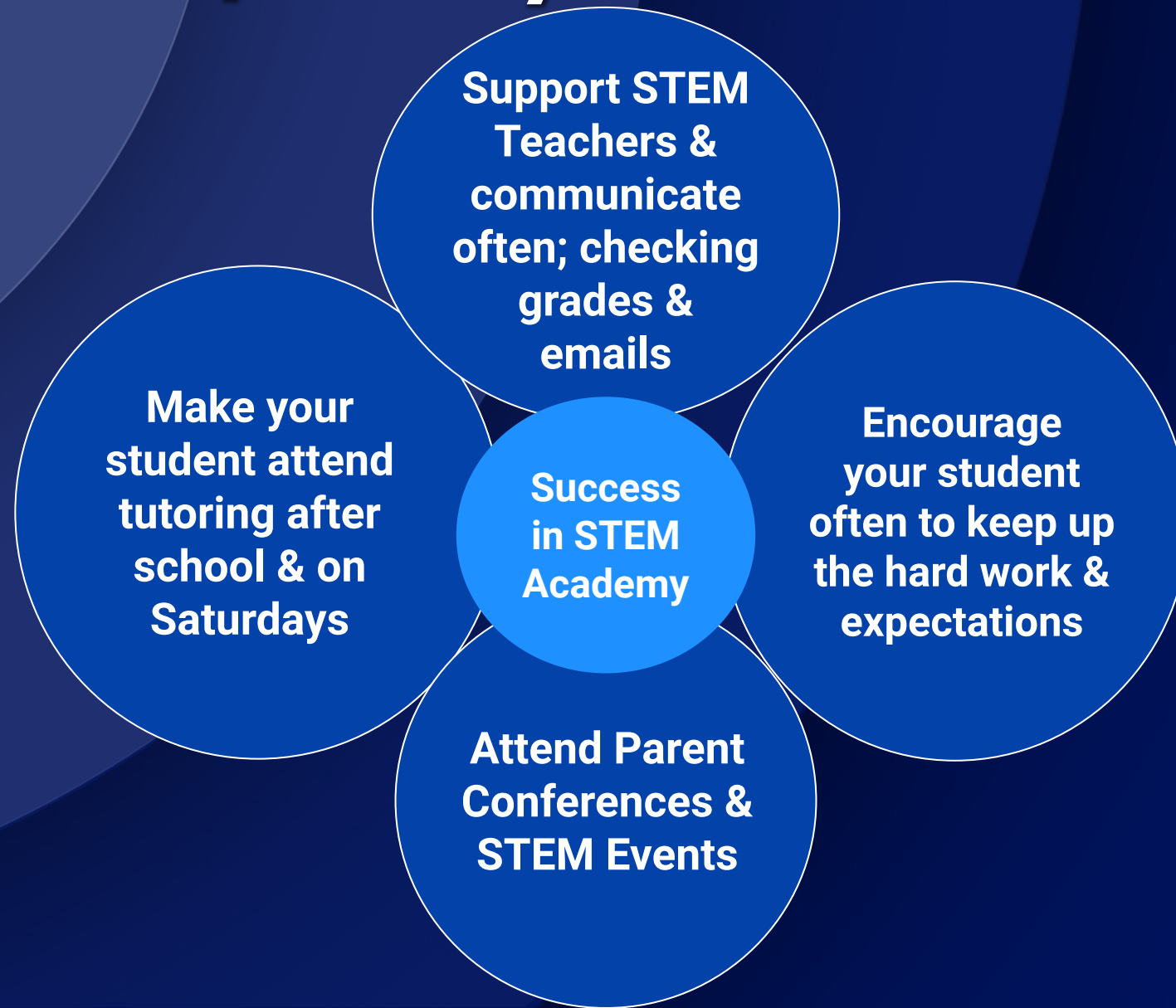
- **NO COST to families - to include textbooks**
- Parents cannot contact college professor due to FERPA
- Friday Grade Checks-All San Jac students will login and show grades to STEM Staff
- If a student is failing or close to failing at the college drop date, there is a required protocol that must be followed before dropping a class - **too many drops will result in loss of ability to continue dual credit courses in STEM/P-TECH & at SJC!!**



**\*\*\*\*Parents: DO NOT SCHEDULE ANY TRIPS DURING COLLEGE COURSES.**

- **DISCIPLINE issues will NOT be tolerated in college courses.**
- **Cheating may also result in dismissal from SJC & STEM/P-TECH Academy.**

# **REMEMBER, STEM/P-TECH Parents must:**









# Rising 9th Grade STEM/P-TECH Academy Student Information



## Rising 9th Grade STEM/P-TECH Academy Students 2024-2025

Please fill out this form for your child if you have not done so already. We would like to know your child's shirt size.



# Summer Bridge Camp: June 17-20, 2024

**8:00-12:00 Monday through Thursday**



## 2024 Summer School Transportation Parent Form

Please fill out this form for each student that needs bus transportation  
(Complete este formulario para cada estudiante que necesite transporte en autobús escolar)

**\*\*Breakfast and Lunch Provided**

**\*\*Transportation Provided if you register for it**

**\*\*You will receive a reminder postcard in the mail soon**



# G-number

- ⦿ Every San Jac student is assigned a student ID number
- ⦿ This is called a “G-number”
- ⦿ Students must apply for their G number in order to enroll in San Jacinto College
- ⦿ Because we are taking the TSIA2 test as freshman and during Bridge camp, students need to complete their paperwork now in order to get it back in time.

**G-number deadline May 13**

**Join Google classroom and complete form to turn in G-number to STEM/P-TECH Academy. Click link to join.**

**<https://classroom.google.com/c/NjYzNDIwNzQzMDgz?cjc=yjunoio>**



ApplyTexas

# **Next Steps:**

- 1. Complete paperwork for G-number TODAY**
- 2. Submit transportation form for Bridge Camp (By May 13)**
- 3. Look for camp postcard in the mail and RSVP for camp**
- 4. Attend Bridge Camp on June 17-20**
- 5. Begin your High School STEM/P-TECH experience**

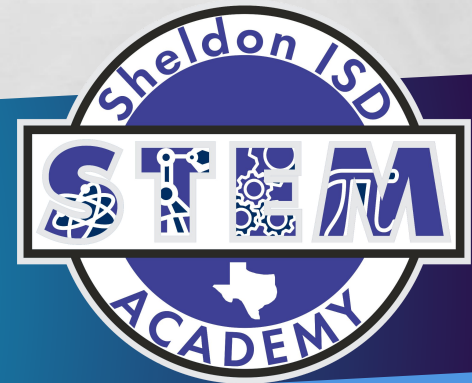




# Greatness STEMs from here!

<https://khs.sheldonisd.com/educational-resources/ptech>

to access our KHS STEM/P-TECH Academy Website







# KHS STEM ACADEMY STATS

- ★ 14 Drone Pilots
- ★ Several Industry Based Certifications
- ★ 1 Dell Scholar
- ★ Scholarships
- ★ Multiple College Acceptances
- ★ Dual Credit College Hours Completed

