

SHELDON ISD STEM

PROGRAM



**Presented by Annette Maxie,
Coordinator of Innovative
Programs**

Greatness STEMS From Here

PreK-12 and Beyond!

Sheldon ISD STEM

PRE-K TO GRADE 12

EXPERIENCE HANDS-ON, REAL-WORLD LEARNING

SOLVE PROBLEMS

MAKE A DIFFERENCE IN THE COMMUNITY



**STUDENTS DEVELOP A SENSE OF COMMUNITY,
CONFIDENCE, SKILLS FOR THE WORKFORCE, AND
GRIT!**



Early Learning Center, Pre-K, & Kinder

- **MOTOR SKILL DEVELOPMENT**
- **COOPERATION**
- **COMMUNICATION & LITERACY**
- **PROBLEM-SOLVING & CRITICAL THINKING SKILLS**
- **STEAM EXPLORATION LABS**



Elementary STEM



- **2 STEM-FOCUSED ELEMETARY SCHOOLS (SE & CE)**
- **PROJECT LEAD THE WAY STEM LAB ROTATIONS**
- **EXPLORATION OF COMPUTER SCIENCE, ENGINEERING, AND BIOMEDICAL SCIENCE**
- **PROBLEM-BASED LEARNING IN SOME CORE SUBJECT AREAS**
- **C-STEM AFTER SCHOOL CLUB AT ALL ELEMENTARY SCHOOLS**



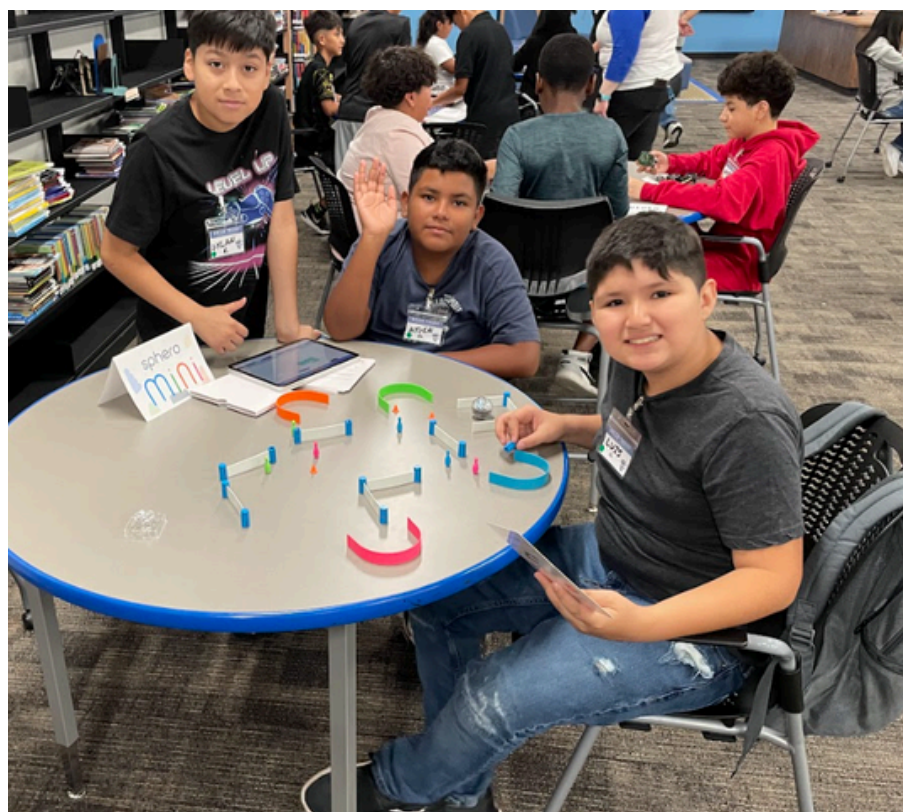


Middle School STEM Academy

- **ACADEMY MODEL AT BOTH MIDDLE SCHOOLS**
- **APPLICATION PROCESS**
- **RIGOROUS PROBLEM-BASED LEARNING IN ALL PRE-AP CORE SUBJECTS**
- **AVID**
- **STEM LAB: COMP SCI FOR INNOVATORS & MAKERS**
 - APP CREATORS**
 - DESIGN & MODELING**
 - MEDICAL DETECTIVES**
 - PAXTON PATTERSON ENGINEERING LABS**
- **C-STEM AFTER SCHOOL CLUBS**



Middle School STEM Academy





High School STEM/P-TECH Academy

- **TEA DESIGNATION PROGRAM**
- **STEM-FOCUSED EARLY COLLEGE HIGH SCHOOL**
- **PRE-AP & AP COURSES**
- **CONTINUED PROBLEM-BASED LEARNING - WORKFORCE SKILL DEVELOPMENT**
- **BOTH COLLEGE AND CAREER READINESS**
- **DUAL CREDIT UP TO AN ASSOCIATE'S DEGREE VIA SJC (FREE\$\$)**
- **PROGRAMS OF STUDY WITH INDUSTRY-BASED CERTIFICATIONS**
 - **PROGRAMMING AND SOFTWARE DEVELOPMENT**
 - **ENGINEERING**
 - **BIOMEDICAL SCIENCE**
- **AVID**
- **WORK-BASED LEARNING**
- **MENTORING GROUPS, LEADERSHIP OPPORTUNITIES, & COMMUNITY SERVICE**
- **INDUSTRY PARTNERSHIPS**
- **C-STEM AFTER-SCHOOL CLUBS**



High School STEM/P-TECH Academy



High School STEM/P-TECH Academy



High School STEM/P-TECH Academy

