SCHOOL BOX TRAINING SERVICES

STEM department | **Communities In Schools** San Antonio

STEM Education

Let us help you launch students towards STEM pathways! Communities In Schools of San Antonio (CIS-SA) equips young people with the skills and behaviors for high school graduation and post-secondary success. In addition to campus-based services, CIS-SA offers professional development for both classroom and informal educators to engage youth in STEM pathways through quality STEM experiences.

CIS-SA STEM Success:*

46
Schools Received STEM Programming

1,178
Students Served

10,599
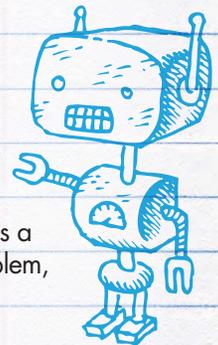**STEM Family Night Participants**

*Updated December 2018

Our STEM Trainings

Students apply TEKS-aligned math and science concepts to the engineering design process to solve a problem using technology. Our curriculum includes career connections and real-world applications to motivate students towards STEM pathways. Project-based learning also builds a foundation of 21st century skills such as communication and collaboration that are vital to student success.

Foundation of STEM Success

STEM/STEAM education is a broad categorization that covers everything from robotics to rocketry. CIS-SA utilizes the 3 stages of the STEM model to design programming that supports student learning. Stages 1 and 2 build foundational skills through teambuilding and communication activities along with learning to use the engineering design process. The final stage is a long-term engineering project where students dive deeply into a STEM problem, research solutions, design technology, and present results.

Incorporating Family Engagement

CIS-SA believes family support is critical to student success in STEM pathways. Through our trainings, learn how to create school-wide STEM/STEAM Family Nights. Families work alongside students to learn about STEM and engage in hands-on engineering design challenges to connect to real-world applications.

> "The training was so fun and engaging! I love all the real-world connections and how the instructor connected to her engineering experience. I can't wait to bring what I learned to my students."
> - CIS-SA STEM Workshop Participant

> "Our STEM Family Night broke record attendance for any school family event! The students and parents were so engaged, and our school wants to host a second event this year."
> - School faculty who implemented CIS-SA STEM Family Night