

TEXAS SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS (T-STEM) INITIATIVE



EDUCATE TEXAS

a public-private initiative of Communities Foundation of Texas

77 T-STEM ACADEMIES

- 70 T-STEM Academies
- 7 Blended ECHS/T-STEM academies

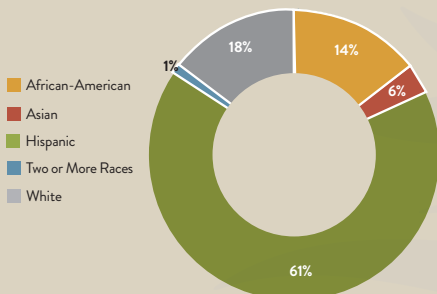
76% historically under-represented ethnicities

73% economically disadvantaged

24 counties across Texas



STUDENT DEMOGRAPHICS



OVERVIEW

The Texas Science, Technology, Engineering and Mathematics (T-STEM) Initiative provides a foundational approach to empower teachers, inspire students, and advance the studies in these four fields. The public-private initiative of academies, professional development centers and networks is designed to improve instruction and academic performance in science and mathematics-related subjects at secondary schools.

CAMPUSES

Texas is home to 70 T-STEM Academies and seven blended Early College High School/ T-STEM Academies serving more than 40,000 students across the state.*

OBJECTIVES

- Increase the number of students entering postsecondary studies and careers in science, technology, engineering, and mathematics
- Facilitate the promotion of quality school leadership that supports school redesign efforts, quality teacher recruitment and improved teacher preparation
- Assist in the long-term educational and economic development, and alignment of these fields

KEY ELEMENTS

- T-STEM Academies – Designated by the Texas Education Agency, these Academies serve as demonstration schools and learning labs, which develop innovative methods to improve science and math instruction.
- T-STEM Centers – Located at universities and regional education service centers, these Centers create new STEM instructional materials and provide high quality professional development. These centers coordinate with industry and business partners who provide resources for the T-STEM Academies.
- T-STEM Network – The network serves as a conduit between T-STEM Academies and T-STEM Centers. It offers professional development, exemplary profiles and other STEM education resources. The T-STEM initiative is connected with a national STEM network.

*Source: Texas Education Agency, Texas Science, Technology, Engineering, and Math Initiative 2014

