



School Achievements

- “A” Rated School System by the Texas Education Agency (2022) and met 7 out of the 7 Distinction Designations
- Ranked 12th in Texas for “Best Public High Schools” *Niche* (2022)
- Ranked 4th in Texas for “High Schools with the Best Teachers” *Niche* (2022)
- Ranked 37th in Texas for “Best High Schools” *U.S. News and World Reports* (2022)
- Ranked 222nd in the nation for “Best High Schools” *U.S. News and World Reports* (2022)
- Selected by the Educational Results Partnership and the Institute for Productivity in Education as a 2019 Texas Honor Roll Star School
- Project Lead The Way (PLTW) Distinguished School (2019-2020); (2021 -2022)
- Named a “School to Learn From” award sponsored by Teach for America, which highlights the schools that provide excellent education for students (2018).
- Ranked 254 in Newsweek “America’s Top High Schools 2016” (only campus from the Rio Grande Valley)
- Ranked 45th in the Newsweek “Beating the Odds 2016” which includes the top 500 high schools in the nation for low-income students
- Rated as an “Exemplary” campus by the Texas Education Agency in 2007 and has been rated “Exemplary” for 14 out of 15 years. In 2013 Rated “Met Standard” all Distinctions Recognized
- Nationally recognized as a National Blue Ribbon High School by the U.S. Dept. of Education in 2005
- Ranked 21 in the nation (April 2014) 15 in the nation (June 2012) and 12th in the nation (June, 2011) by The Washington Post
- Rated in the best high schools rating by Texas by the Texas Business Education Coalition Honor Roll for eight years

School Characteristics

- Established in 1989 as a regional magnet school focusing on Math, Science, and Engineering
- An open enrollment, public tuition-free, magnet high school
- Serves students from 28 school districts in the counties of Cameron, Hidalgo, and Willacy
- Strong academic preparation and hands-on experiences allowing students to explore the fields of math, science, engineering and architecture
- More than 99% of each senior class to date has enrolled in college after graduation
- Accredited through the Texas Education Agency
- Current enrollment of 827

Partnerships

- Partnerships with Cornell University, Rice University, Johns Hopkins University, The University of Texas-Rio Grande Valley, South Texas College, and University of Texas-Austin
- Partnership with Project Lead The Way Inc. to promote an interactive, project based technology curriculum supported by quality pre-engineering and pre-architectural courses

Administration

- | | |
|--------------------------------------|-----------------------------|
| • Eric Gutierrez, Principal | Beatriz Salinas, Counselor |
| • Rigo Olivarez, Assistant Principal | |
| • Anerey Yerena, Assistant Principal | Laura Villarreal, Counselor |

Curriculum

The Science Academy offers rigorous, highly academic courses focusing on the various math and science fields such as engineering, architecture, and computer science. Additional academic pathways are available in Automotive and Welding as well as a Drone Pilot certification program. Students are offered a comprehensive curriculum and elective courses in math, science, and technology. This curriculum prepares students for college and introduces them to pre-engineering and pre-architecture concepts.

Advanced Placement courses are offered in English, math, science, social studies, art, foreign language, psychology, and computer science. Dual enrollment and/or concurrent enrollment college credit is offered in association with South Texas College, the University of Texas Rio Grande Valley, and through participating universities of the PLTW partnership. UIL competition in various areas is also strongly supported.

SAT

YEAR	SCIENCE ACADEMY	NATIONAL	TEXAS
2021-2022	1247	1051	1003
2020-2021	1176	1060	1003
2019-2020	1202	1051	1010
2018-2019	1215	1059	1022
2017-2018	1234	106	1032
2016-2017	1247	1070	1019

ACT

YEAR	SCIENCE ACADEMY	NATIONAL	TEXAS
2021-2022	24	20.3	20.2
2019-2020	28.1	20.6	20.2
2018-2019	25.8	20.7	20.5
2017-2018	25.5	20.8	20.6
2016-2017	25.7	21	20.7
2015-2016	26.1	20.8	20.6

2022-2023 Science Academy Course Sequence

English	Math	Science	Social Studies
English I Honors English II Honors English III AP# English III+ UT RHE 306+ UT RHE 309+ English III Dual■ STC ENGL 1301 STC ENGL 1302 English IV AP#■ STC ENGL1301■ STC ENGL1302■ STC ENGL 2341■ STC ENGL 2321■ Advanced English Studies■ STC ENGL 2341■ STC ENGL 2321■ =====	Algebra I Honors Geometry Honors Algebra II Honors Pre-Calculus Honors■ STC Math 1414■ STC Math 2412■ Statistics HS ===== Statistics HS Calculus I AP#■ STC Math 2413■ Calculus II AP# ■ STC Math 2414 ■ Statistics AP#■ STC MATH 1442■	Biology I Honors Chemistry Honors Physics Honors ===== Biotechnology Environmental Systems Earth and Space Science+ UT GEO 302E + Biology AP# Chemistry AP# Environmental Science AP# Physics I AP# Physics II AP# Physics C AP#	World Geography Honors World History AP# U.S. History U.S. History AP# U.S. History+ UT HIS 315K UT HIS 315L U.S. Government AP# Economics AP# ===== Psychology AP# Sociology
Engineering	Foreign Language	Fine Arts	Electives
Introduction to Engineering Design (IED)* Digital Electronics (DE)* Engineering Science (POE)* Engineering Design & Development (EDD)* ===== Computer Integrated Manufacturing (CIM) * Aerospace Engineering (AE) * Civil Engineering & Architecture (CEA) *	Spanish I Honors Monolingual Spanish I Honors Bilingual Spanish II Honors Monolingual Spanish II Honors Bilingual ===== Spanish III AP#■ STC SPAN 2313■ Spanish IV AP# STC SPAN 2315■	Art I Honors ===== <i>Traditional Art Pathway</i> Art I Honors Art II Sculpture I Art II Drawing Art AP# Dimensional Design Portfolio ===== <i>Digital Art Pathway</i> Art I Honors Art II Design I Digital Art & Media I+ UT AET 304+ Art AP# Drawing Portfolio	Advanced Yearbook I Advanced Yearbook II ===== <i>P.A.E.²-Program of Academic Excellence via Externships (3RD year course option)</i> Selected via application process
	Physical Education Lifetime Fitness and Wellness Pursuits =====		

Cybersecurity	Computer Science	Drones
Fundamental of Computer Science Foundations of Cybersecurity AP Computer Science Principles Computer Science A AP Cybersecurity Capstone	Fundamental of Computer Science AP Computer Science Principles Computer Science AP Computer Science II Computer Science III	Introductions to Unmanned Aerial Vehicles (UAV)/Robotics
Business and Industry: Automotive	Business and Industry: Welding	
Small Engine Technology I Small Engine Technology II Automotive Technology I Practicum in Transportation Systems/Ext. Practicum in Transportation	Introduction to Welding Welding I Welding II Practicum in Manufacturing	

Advanced Placement Course
the Way Course

■ Dual Enrollment Course (pending acceptance to STC dual enrollment)
+ Dual Enrollment Course (pending acceptance UT dual enrollment)

*Project Lead

=== Courses above the dashed line are mandated by state or campus regulations.

Consistent with South Texas ISD EIC (Local) Policy, Science Academy does not rank students except as required by state law.