



# FRONTIER STEM ACADEMY

1120 W DEBBIE LANE  
MANSFIELD, TEXAS 76063

682-314-1600 FAX: 817-453-6840

2023 - 2024



## MISSION STATEMENT

Ignite passion in STEM learners through collaboration and innovation with a focus on real-world challenges.

## SCHOOL CHARACTERISTICS

Type: Public

Grades: 9-12

Total Enrollment: 328

Senior Enrollment: 52

### Accredited by:

Texas Education Agency

Southern Association of  
Colleges & Schools

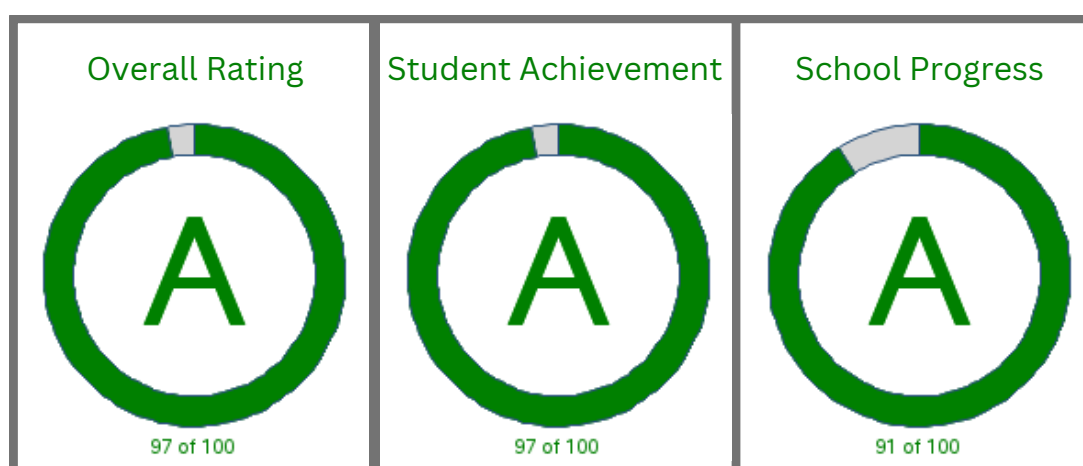
TEA Designation: Meets  
Standards

CEEB Number: 444466

## ADMISSION REQUIREMENTS

- Have successfully completed Algebra 1 and met or mastered the Algebra 1 End-of-Course (EOC) exam during 8th grade
- Have successfully completed Professional Communications and Health (preferred)
- Have at least an 85% average in Math, Science, Social Studies, and English

## ACCOUNTABILITY RATINGS



## TEST SCORES 2022

### AP World History: Score of 3 or higher

FSA - 69%

Texas - 50%

Global - 62%

### AP Human Geography: Score of 3 or higher

FSA - 82%

Texas - 42%

Global - 53%

### English 1 EOC

Meets - FSA 100%, State 43%

Masters - FSA 57%, State 11%

### English 2 EOC

Meets - FSA 100%, State 48%

Masters - FSA 36%, State 9%

### Biology EOC

Meets - FSA 100%, State 34%

Masters - FSA 63%, State 23%

### PSAT 8/9

FSA Average = 1135

State Average = 833

National Average = 850

### PSAT 10 NMSQT

FSA Average = 1137

State Average = 873

National Average = 909

### SAT (2023)

FSA Average = 1251

State Average = 956

National Average = 954

## CURRICULUM

### Foreign Languages Offered:

Chinese, German, Japanese, Spanish, American Sign Language, Computer Science

### AP Courses Offered:

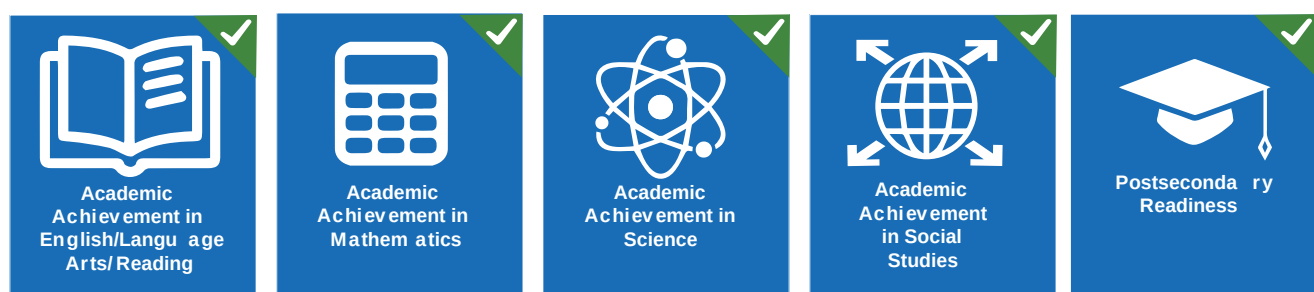
Biology, Calculus BC, Chemistry, Chinese, Computer Science, Economics, English Language and Composition, English Literature and Composition, Environmental Science, European History, German, Japanese, Physics, Precalculus, Psychology, Seminar, Spanish, Statistics, US Government, and US History

### Dual Credit Offerings:

English 1301, English 1302, US History 1301, US History 1302, British Literature 2322, British Literature 2323, Federal Government 2305, Economics 2301, College Algebra 1314, Pre-Calculus 2412

### Texas Education Agency distinctions:

Frontier STEM Academy has earned the following distinctions in recognition of student achievement and standardized testing data:



### Class Rank & Grade Average:

Grade averages are based on cumulative work for grades 9-12. Selective eighth grade courses may also be included in a learner's grade average. Class rank is calculated at the end of the 9th grade and every semester after through graduation.



### Grading System:

Mansfield ISD utilizes a weighted numerical grading system. In calculating GPA, ten points are added to a learner's average in Advanced, AP, and Dual Credit courses.

A	90-100
B	80-89
C	70-79
F	Below 70

## GRADUATION REQUIREMENTS

All learners must obtain 26 credits. All learners must take and pass EOC assessments to graduate in 2024.

### Distinguished Level of Achievement Plan for Graduation:

English, Math, Science, Social Studies	4 credits each
Foreign Language	2 credits
PE or Substitute	1 credit
Fine Arts	1 credit
Health, Professional Communication	.5 credit each
Electives	5 credits

The Frontier STEM Academy's 11th- and 12th-grade curriculum includes a passion project aimed at fostering innovation and critical thinking skills. Learners identify a problem and develop a solution, applying their knowledge to real-world problems. With guidance from designers, learners develop, research, collaborate, and engage in problem-solving skills. Completing the project prepares learners for success in a rapidly changing world and is an essential element of the academy's educational philosophy.