FRONTIER

Trailblazers

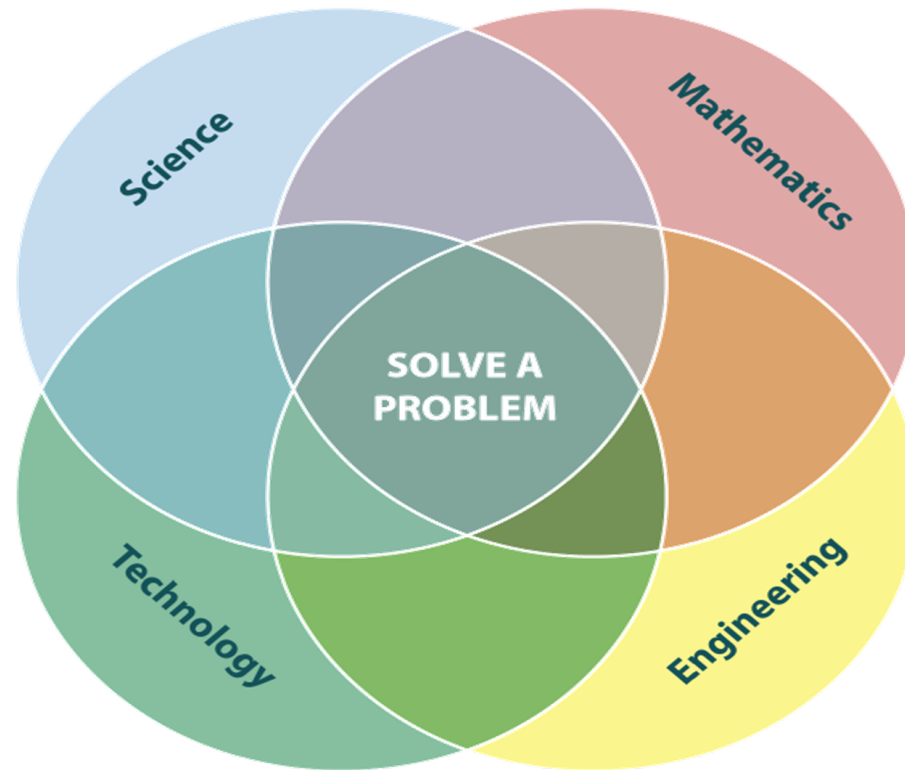## STEM ACADEMY

Agenda

What is STEM

Who can attend

What makes us different

Questions

- Any learner that did not attend Jerry Knight STEM Academy must attend
- July 16, 2020
- Experience the engineering design process
- Growth mindset
- Help with Canvas

9th Grade

A Day (Monday - Thursday)	
7:00 - 10:00	Ben Barber Session
10:05 - 10:50	iSTEM
10:55 - 11:25	Lunch
11:30 - 12:55	Period 3
1:00 - 2:30	Period 4

A Day Fridays	
7:00 - 10:00	Ben Barber Session
10:10 - 10:50	Clubs
10:55 - 11:25	Lunch
11:30 - 12:55	Math/Science or ELAR/Social Studies
1:00 - 2:30	ELAR/Social Studies or Math/Science

B Day (Monday - Thursday)	
7:00 - 8:25	Period 5
8:30 - 10:00	Period 6
10:05 - 10:50	iSTEM
10:55 - 11:25	Lunch
11:30 - 12:55	Period 7
1:00 - 2:30	Period 8

B Day Fridays	
7:00 - 10:00	Design Time
10:10 - 10:50	Clubs
10:55 - 11:25	Lunch
11:30 - 12:55	Math/Science or ELAR/Social Studies
1:00 - 2:30	ELAR/Social Studies or Math/Science

Math	PAP Geometry
Science	PAP Biology
	PAP Chemistry
ELAR	English 1
	PAP English 1
Social Studies	World Geography
	AP Human Geography
Ben Barber Class	AM on A *or* B day

9th Grade Ben Barber with 0 LOTE Credits

1st Semester	2nd Semester
Computer Science 1	Computer Science 2
or	
Choose 1 from below	Any Level 1 LOTE
Robotics 1	
Computer Programming 1	
Principles of Health Science	
Entrepreneurship	
Principles of Cyber Security	
Principles of Digital Editing	
Intro to Engineering	
Principles of Manufacturing	
Principles of Construction	
Floral Design	

9th Grade Ben Barber with 1 LOTE Credit

1st Semester	2nd Semester
Level 2 LOTE	*Choose 1 from below*
	Computer Science 1
	Robotics 1
	Computer Programming 1
	Principles of Health Science
	Entrepreneurship
	Principles of Cyber Security
	Principles of Digital Editing
	Intro to Engineering
	Principles of Manufacturing
	Principles of Construction
	Floral Design

10ᵗʰ Grade

A Day (Monday - Thursday)	
7:00 - 8:25	Period 1
8:30 - 10:00	Period 2
10:05 - 10:50	iSTEM
10:55 - 11:25	Lunch
11:30 - 2:30	Ben Barber Session

A Day Fridays	
7:00 - 8:30	Math/Science or ELAR/Social Studies
8:35 - 10:05	ELAR/Social Studies or Math/Science
10:10 - 10:50	Clubs
10:55 - 11:25	Lunch
11:30 - 2:30	Ben Barber Session

B Day (Monday - Thursday)	
7:00 - 8:25	Period 5
8:30 - 10:00	Period 6
10:05 - 10:50	iSTEM
10:55 - 11:25	Lunch
11:30 - 12:55	Period 7
1:00 - 2:30	Period 8

B Day Fridays	
7:00 - 8:30	Math/Science or ELAR/Social Studies
8:35 - 10:05	ELAR/Social Studies or Math/Science
10:10 - 10:50	Clubs
10:55 - 11:25	Lunch
11:30 - 2:30	Design Time

Subject	Course
Math	PAP Algebra 2
Science	PAP Chemistry
	AP Physics 1
ELAR	English 2
	PAP English 2
Social Studies	World History
	AP World History
Ben Barber Class	PM on A *or* B day

11ᵗʰ Grade

A Day (Monday - Thursday)	
7:00 - 10:00	Ben Barber Session
10:05 - 10:50	iSTEM
10:55 - 11:25	Lunch
11:30 - 12:55	Period 3
1:00 - 2:30	Period 4

A Day Fridays	
7:00 - 10:00	Ben Barber Session
10:10 - 10:50	Clubs
10:55 - 11:25	Lunch
11:30 - 2:30	Design Time

B Day (Monday - Thursday)	
7:00 - 10:00	Ben Barber Session
10:05 - 10:50	iSTEM
10:55 - 11:25	Lunch
11:30 - 12:55	Period 7
1:00 - 2:30	Period 8

B Day Fridays	
7:00 - 10:00	Ben Barber Session
10:10 - 10:50	Clubs
10:55 - 11:25	Lunch
11:30 - 2:30	Design Time

Math	PAP Pre Calculus
	Statistics
Science	AP Biology
	AP Chemistry
	TCC Biology
	Any BBIA Science Credit
ELAR	English 3
	AP English 3
	TCC English 3
Social Studies	AP US History
	TCC US History
Ben Barber Class	AM on A *and* B day

12ᵗʰ Grade

A Day (Monday - Thursday)	
7:00 - 8:25	Period 1
8:30 - 10:00	Period 2
10:05 - 10:50	iSTEM
10:55 - 11:25	Lunch
11:30 - 2:30	Ben Barber Session (Practicum)

A Day Fridays	
7:00 - 10:05	Design Time
10:10 - 10:50	Clubs
10:55 - 11:25	Lunch
11:30 - 2:30	Ben Barber Session (Practicum)

B Day (Monday - Thursday)	
7:00 - 8:25	Period 1
8:30 - 10:00	Period 2
10:05 - 10:50	iSTEM
10:55 - 11:25	Lunch
11:30 - 2:30	Ben Barber Session (Practicum)

B Day Fridays	
7:00 - 10:05	Design Time
10:10 - 10:50	Clubs
10:55 - 11:25	Lunch
11:30 - 2:30	Ben Barber Session (Practicum)

Subject	Course
Math	AP Calculus AB
	AP Statistics
	TCC Statistics/College Algebra
Science	AP Chemistry
	AP Biology
	AP Physics C-M
	TCC Biology
	Any BBIA Science Credit
ELAR	English 4
	AP English 4
	TCC English 4
Social Studies	AP Government/Economics
	TCC Government/Economics
Ben Barber Class	PM on A *and* B day (Practicum)

9ᵗʰ – 12ᵗʰ Grade

|	9th Grade	10th Grade	11th Grade	12th Grade
Math	PAP Geometry	PAP Algebra 2	PAP Pre Calculus	AP Calculus AB
			Statistics	AP Statistics
				TCC Statistics/College Algebra
Science	PAP Biology	PAP Chemistry	AP Biology	AP Chemistry
	PAP Chemistry	AP Physics 1	AP Chemistry	AP Biology
			TCC Biology	AP Physics C-M
			Any BBIA Science Credit	TCC Biology
				Any BBIA Science Credit
ELAR	English 1	English 2	English 3	English 4
	PAP English 1	PAP English 2	AP English 3	AP English 4
			TCC English 3	TCC English 4
Social Studies	World Geography	World History	AP US History	AP Government/Economics
	AP Human Geography	AP World History	TCC US History	TCC Government/Economics
Ben Barber Class	AM on A *or* B day	PM on A *or* B day	AM on A *and* B day	PM on A *and* B day (Practicum)

How will we create a STEM culture at Frontier STEM Academy?
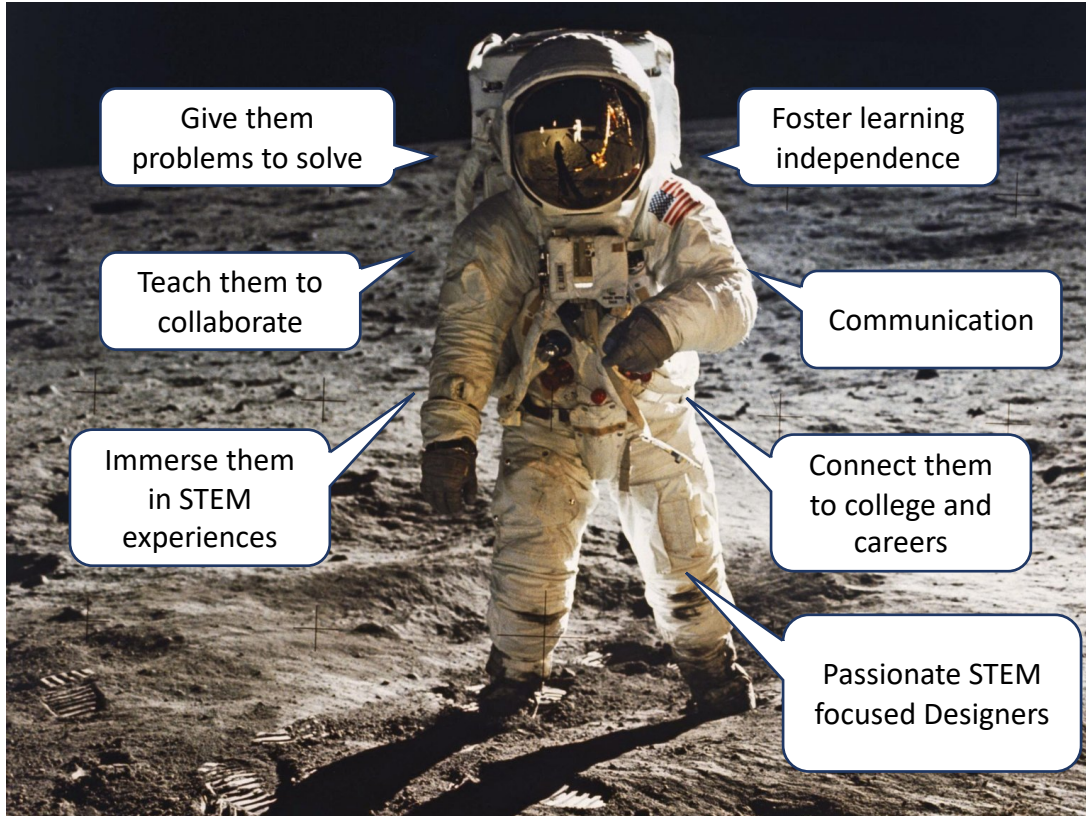
Unique internship opportunities during senior year
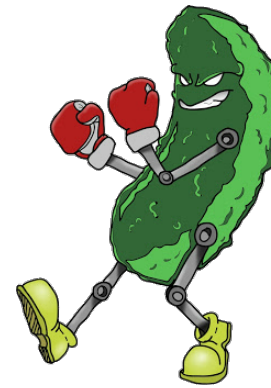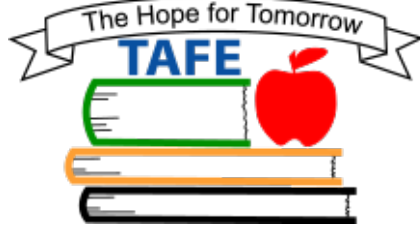
MAKERSPACE

FRONTIER STEM ACADEMY ENROLLMENT APPLICATION

DEADLINE FOR APPLICATION SUBMISSION: January 10, 2020

The following form is required in order to be considered for admission into Frontier STEM Academy. Please include all information requested, as well as signatures of both student and parent. **Students must be current 8th graders to apply.**

STUDENT INFORMATION SECTION

Last Name _____ First Name _____ Student ID _____

Date of Birth _____ Current Campus: ☐ JKSA ☐ TAHMS ☐ BWMS ☐ RWMS ☐ DJMS ☐ JCMS ☐ LJMS ☐ Other

Address _____ City _____ ZIP _____

Email Address _____ Home Phone # _____ Cell Phone # _____

PARENT/GUARDIAN INFORMATION SECTION

Last Name _____ First Name _____ Father ☐ Mother ☐ Guardian ☐

Street Address _____ City _____ Zip _____

Email Address _____ Home Phone # _____ Cell Phone # _____

ENROLLMENT REQUIREMENTS

Please verify the requirements listed below for the FSA enrollment program for which you are applying. Check each statement if it is accurate.

☐ I am currently an 8th grader.

☐ I will have successfully passed Algebra I and EOC by the end of this school year.

☐ I understand that completing Professional Communications by the end of this school year is highly recommended.

☐ I have an 80 or above core (math, science, English, social studies) class average.

☐ I understand that I will be required to attend a bridge camp on July 16, 2020 if not coming from JK STEM Academy.

☐ I understand that I will receive a laptop.

Student Initial _____ Parent/Guardian Initial _____

OFFICE AREA ONLY

Date Office Received _____ Received By _____ Application Complete? Yes ☐ No ☐

ENROLLMENT APPLICATION

Please select your top 2 choices for Freshman STEM classes.

☐ Computer Science I   ☐ Principles of Cyber Security

☐ Computer Science II   ☐ Principles of Digital Editing

☐ Robotics I   ☐ Introduction to Engineering

☐ Computer Programming I   ☐ Floral Design

☐ Principles of Health Science   ☐ Principles of Manufacturing

☐ Entrepreneurship   ☐ Principles of Construction

We certify that all the information provided in this application is accurate. We understand that MISD may deny or revoke admission if any information is found to be incomplete or inaccurate. We also understand that Frontier STEM Academy is a school of choice. We further understand that students who are accepted to FSA will attend all classes at FSA and will graduate from FSA. By signing this application for admission, and upon acceptance, you agree to allow your student to attend FSA.

Student Signature _____ ID Number _____ Date _____

Parent/Guardian Signature _____ Date _____

Please submit your completed application to:

Student Services
605 E Broad St
Mansfield, TX 76063

or email to gofrontier@misdmail.org by January 10, 2020.

Students will be notified of acceptance on March 6, 2020 and parents have until March 20, 2020 to notify Frontier STEM Academy if your child will attend.

Parent Meetings

- November 6, 2019
- November 14, 2019
- November 18, 2019

Applications

- Start on November 25, 2019
- End on January 10, 2020

Notification

- Delivered on March 6, 2020
- Reply by March 20, 2020

Boot Camp

- July 16, 2020

Class Start

- August 2020

Contact Information

Michael Fore

Academic Associate Principal

michaelfore@misdmail.org