



FRUITVALE H S  
T-STEM Renewal Application  
2019-2020

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# Background

## District Affiliation

FRUITVALE ISD

CD #: 234909

Region: 07

Mailing Address (Line 1): P O BOX 77

Mailing Address (Line 2):

City, State, Zip: FRUITVALE, TX 75127

## School Affiliation

FRUITVALE H S

CDC #: 234-909-001

Region:

Mailing Address (Line 1): P O BOX 77

Mailing Address (Line 2):

City, State, Zip: FRUITVALE, TX 75127

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FRUITVALE MIDDLE

CDC #: 234-909-041

Region:

Mailing Address (Line 1): P O BOX 77

Mailing Address (Line 2):

City, State, Zip: FRUITVALE, TX 75127

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## Academy Information

**T-STEM Academy Name:**

FRUITVALE H S

**Are you currently in the 2018-2019 planning year or are a 2018-2019 planning grantee?**

No

**What grade level range will your academy serve in the 2019-2020 school year?**

6-12

Grade Level	Number of Students	School / CDC # Where Students are Enrolled
6	33	FRUITVALE H S (234909001)
7	35	FRUITVALE H S (234909001)
8	36	FRUITVALE H S (234909001)
9	29	FRUITVALE H S (234909001)
10	23	FRUITVALE H S (234909001)
11	24	FRUITVALE H S (234909001)
12	20	FRUITVALE H S (234909001)

# Contacts

## Business Partner

**Affiliation:** Gallant Restoration Management LLC

**Job Title:** Owner

**Full Name:** Mr. Steve Hendrix

**Email:** steve@gallantllc.net

**Phone Number:** 214-405-6167

## Superintendent

**Job Title:** Superintendent

**Full Name:** Mrs. Rebecca Bain

**Email:** bainr@fruitvaleisd.com

**Phone Number:** 903-896-1191

## Applicant

**Job Title:** Principal

**Full Name:** Mr. Charles Harford

**Email:** harfordc@fruitvaleisd.com

**Phone Number:** 903-896-4363

## IHE Liaison

**Affiliation:** Trinity Valley Community College

**Job Title:** Director of Dual Credit

**Full Name:** Mrs. Kelley Townsend

**Email:** ktownsend@tvcc.edu

**Phone Number:** 903-675-6338

# Narratives

## Model Implementation

**Which T-STEM model does the district intend to implement at this time? Within these models, there are variations. For this purpose campus is defined as a CDC number not a physical location.**

School-Within-School: Multiple Campuses - A subset of students in grades 6-12 are enrolled in the T-STEM academy. This model typically spans a middle school and high school. This may also be applicable if 9th grade is on a separate campus due to physical space issues.

## Endorsements

**Identify the current endorsements that are offered:**

- Science, Technology, Engineering, and Mathematics (STEM)
- Business and Industry
- Public Services
- Arts and Humanities
- Multi-disciplinary Studies

## Certificates

Does this academy offer Associate Degrees to students?

No



## TSIA

Does this academy administer the TSIA exam?

Yes

What ID number do students use when taking the TSIA exam?

Unique State Assigned ID

## Key Elements for Success

**Provide a link to the job description, roles of design team, leadership team, and advisory board.**

<https://sites.google.com/fruitvaleisd.com/fruitvaletstemacademy/home>

**Provide a link to the final, signed, and executed MOU.**

<https://sites.google.com/fruitvaleisd.com/fruitvaletstemacademy/home>

**Provide a link to the academy's master schedules.**

<https://sites.google.com/fruitvaleisd.com/fruitvaletstemacademy/home>

**Provide a link to the academy's written admission policy and enrollment application.**

<https://sites.google.com/fruitvaleisd.com/fruitvaletstemacademy/home>

**Provide a link to the academy's written recruitment plan including a timeline of recruitment and enrollment events, and recruitment materials for distribution at feeder schools and other appropriate locations in the community**

<https://sites.google.com/fruitvaleisd.com/fruitvaletstemacademy/home>

**Provide a link to the academy's internship and externship opportunities.**

<https://sites.google.com/fruitvaleisd.com/fruitvaletstemacademy/home>

## Free-Response

**Describe how the Academy will recruit, support, and retain highly qualified teachers.**

Being a small 1A rural district recruiting and retaining highly qualified teachers can be a challenge. We use online job postings on our school website and through the Region VII service center.

Prospective candidates are brought before a hiring committee and then must be approved by the Superintendent before they are offered a position.

The Fruitvale STEM Academy supports our teachers in a variety of ways through professional development, Professional Learning Communities, and regular meetings with the Principal and Curriculum Director.

We also assign new teachers a mentor teacher. This is someone they can reach out to if they are having trouble or need advice. The mentor teachers also observe our new teachers and give them recommendations on how to improve in the classroom.

We strive to retain quality teachers with a competitive salary, stipends for extra duties, and longevity bonuses.

**Describe the current STEM pathways available at the academy.**

Fruitvale T-STEM Academy offers pathways in Business and Industry through Agriculture, Food, & Natural Resources and Arts, A/V Technology, & Communications. Courses offered include: Principles of Agriculture, Small Animal Management, Livestock Production, Advanced Animal Science, Ag Mechanics, Ag Design and Fabrication, Principles of Technology, Animation, Advanced Animation, and Video Game Design.

In the Public Services Endorsement Fruitvale offers Health Science. Courses offered under this strand include: Principles of Health Science, Medical Terminology, and Anatomy & Physiology.

In the Multi-Disciplinary Endorsement we offer courses in Dual Credit such as English, U. S. History, Government, Economics, and Psychology.

Under Arts & Humanities we offer five years of band starting in the 8th grade.

Finally, in STEM we have courses in Engineering, Robotics, Small Aircraft Technology, Chemistry, Physics, Algebra II, and College Algebra.

**Describe how strategic alliances with industry partners and IHEs will support the Academy. The description should include details regarding the role of each IHE, business, and/or community partnership; along with parent/family partnerships and communication conventions with the Academy.**

Fruitvale T-STEM Academy will strive to achieve partnerships with business, industry, and Trinity Valley Community College in order to support success of academic (STEM) programs, which will lead to increased STEM and other high demand occupations in the Fruitvale and surrounding areas.

Work closely with TVCC through a MOU to include policies such as, but not limited to: courses of study, advising students, dual credit transcripts, grading periods, instruction, enrollment, and attendance.

Create partnerships with key stakeholders in Van Zandt county and surrounding regions to foster collaborative research and professional development opportunities.

Work closely with industry partner and develop a MOU to include policies such as, but not limited to: work based learning experiences, roles and responsibilities for supervisors/mentors/teachers, career mentoring, course paths, support for students' activities such as clubs, competitions, etc.

Seek industry based certificates approved by TEA as evidence of the quality of the programs that produce graduates with a solid educational foundation, are prepared to pursue advanced study, or to enter their professions directly after graduation.

**Describe the Academy's work-based and contextual learning in the curriculum.**

Fruitvale T-STEM Academy will work to offer students a variety of relevant, high skill work based learning experiences at every grade level that respond to student interest and regional employer needs in order to support success of academic (STEM) programs, which will lead to increased STEM and other high demand occupations jobs in the Fruitvale and surrounding areas.

Seek industry based certificates approved by TEA as evidence of the quality of the programs that produce graduates with a solid educational foundation, are prepared to pursue advanced study, or to enter their professions directly after graduation.

Collaborate with the East Texas Workforce Commission to define local workforce needs in STEM careers.

Bring in work based experiences from businesses.

Provide students work based learning through speakers and presenters.

Teach employability skills to students each week.

Provide students time to reflect on their job readiness skills through self-evaluation tool. This tool will serve as a portfolio/capstone for students to take as they enter into the workforce to show future employers their career readiness skills.

**Describe the STEM-focused extracurricular activities (field experiences, clubs, and competitions) offered to students.**

Fruitvale T-STEM Academy offers several extracurricular activities to students that are related to the STEM field. We offer a robotics class and those students compete in the BEST and FIRST robotic competitions throughout the year. We have also partnered with a neighboring school district to give our robotics team a chance to practice before their competitions.

We also offer Small Aircraft Technology where students learn to pilot drones through computer simulations and hands on time with drones. At the end of the class students have the opportunity to earn their drone pilot's license through the FAA.

We also offer Academic UIL competitions and have been very successful including winning the 2017 1A state championship in Mathematics.

Finally, we offer FFA. Our students compete throughout the year with in animal, ag mech, LDE, and CDE competitions.