



CLINT H S
T-STEM Renewal Application
2019-2020

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Background

District Affiliation

CLINT ISD

CD #: 071901

Region: 19

Mailing Address (Line 1): 14521 HORIZON BLVD

Mailing Address (Line 2):

City, State, Zip: EL PASO, TX 79928

School Affiliation

CLINT H S

CDC #: 071-901-001

Region:

Mailing Address (Line 1): 14521 HORIZON BLVD

Mailing Address (Line 2):

City, State, Zip: EL PASO, TX 79928

CLINT J H SCHOOL

CDC #: 071-901-041

Region:

Mailing Address (Line 1): 14521 HORIZON BLVD

Mailing Address (Line 2):

City, State, Zip: EL PASO, TX 79928

Academy Information

T-STEM Academy Name:

CLINT 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	24	CLINT H S (071901001)
7	46	CLINT H S (071901001)
8	30	CLINT H S (071901001)
9	45	CLINT H S (071901001)
10	55	CLINT H S (071901001)
11	48	CLINT H S (071901001)
12	46	CLINT H S (071901001)

Contacts

Business Partner

Affiliation: El Paso Animal Services

Job Title: Volunteer Coordinator for the City of El Paso Animal Services

Full Name: Ms. Rose Janice

Email: JaniceRA@elpasotexas.gov

Phone Number: 915-487-7596

Superintendent

Job Title: Superintendent

Full Name: Dr. Juan Martinez

Email: juan.martinez@clint.net

Phone Number: 915-926-4001

Applicant

Job Title: Principal

Full Name: Mr. Garrett Ritchey

Email: garrett.ritchey@clint.net

Phone Number: 915-926-8300

IHE Liaison

Affiliation: El Paso Community College

Job Title: Dean of Dual Credit and Early College High Schools

Full Name: Ms. Tonie Badillo

Email: mbadill4@epcc.edu

Phone Number: 915-831-6755

IHE Liaison

Affiliation: The University of Texas

Job Title: Associate Director of Strategic Partnerships and Outreach

Full Name: Ms. Jennifer Saenz

Email: jennifer.saenz@austin.utexas.edu

Phone Number: 512-475-7877

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?

College ID

Key Elements for Success

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

<https://www.clintweb.net/Page/4229>

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

<https://www.clintweb.net/Page/4487>

Provide a link to the academy's master schedules.

<https://www.clintweb.net/Page/4486>

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

<https://www.clintweb.net/Page/5077>

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://www.clintweb.net/Page/4724>

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

<https://www.clintweb.net/Page/4725>

Free-Response

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

Our campus has a very low teacher turn over. We have created a culture of high expectations and longterm retention. When vacancies do occur on campus, they are frequently filled with teachers from other campuses in the district with excellent student success rates and experience because they like our campus culture. The campus has a new teacher training support that mentors and their new teachers so that they develop into highly effective teachers. Veteran teachers are supported through PLCs and teacher requested staff development.

Describe the current STEM pathways available at the academy.

At our campus, we have several STEM pathways. We have Three STEM Agriculture Pathways to include a Veterinarian Science Pathway, Horticulture, and Plant Science Pathway and an Agricultural Mechanics pathway. We also have STEM pathways in Engineering that incorporate Robotics and Computer Science. We have STEM pathways in Forensic Science as well. Our advanced Academic pathway, called the Genesis Program, allows students to follow any graduation endorsement plan, but still, take enough advanced math and science courses to complete the STEM Genesis program, students must complete two advanced math classes and two advanced science classes. These advanced classes include dual credit/dual enrollment classes in math and AP classes in science.

In the 2019 - 2020 school year it is our hope to partner with the Microsoft TEALS program to streamline a computer science pathway for STEM students. This pathway would merge the current OnRamps Computer Science class that we offer with the new TEALS AP and Python course to create a four-year pathway in computer science. We will find out if the Microsoft TEALS program has approved CHS as an official partner in February or March.

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.

Our campus has two partnerships with IHEs. One with El Paso Community College in which we receive dual credit classes both online and on campus. Dual credit classes offered to our students include, English 1301, 1302, US History 1301 & 1302, Government, Economic, and Education 1300 and Music Appreciation.

We also partner with the University of Texas to offer dual enrollment OnRamps classes. We currently offer Pre Cal and Computer Science through OnRamps and will offer College Algebra, US History and Physics next year.

Our industry partner is with the El Paso Animal Services. Our students are provided opportunities to complete their internship hours at their Animal Clinic as veterinarian assistance. Two to three times a week and every day in the summer, students report to Animal Services and assist veterinarians with surgeries, help foster animals and other duties. These students develop valuable real-world experience and gain all of the necessary hours needed to be eligible to take the exam for veterinarian assistant. We have other partnerships with parents on our campus. For example, the president of our Advisory Board is a parent who works at Fort Bliss. This parent runs a lot of STEM outreach programs on base and provides our students with opportunities through the Army like the 5 STAR Cup Science Competition. Our campus has also made a partnership with a vet who will be offering low-cost vaccinations to the community at our school. This will give our community an opportunity to have their animals treated by a vet and our students an opportunity to work with a vet outside of Animal Services.

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

At our campus, we try to infuse STEM into all subjects. We have several students taking five years of science and math, regardless of the graduation endorsement. For example, our Criminal Justice students take Forensic Science their senior year to complete their pathway, as well as their senior science courses like anatomy or AP Biology. Project Based Learning is used in all classrooms across the campus, not just those with STEM students in them. As far as STEM pathways at CHS, we offered an Engineering pathway that focuses on electrical and mechanical engineering and a Veterinarian Medical Science Program that leads to a Veterinarian Assistance Certification. Other pathways that are offered outside the STEM blanket, but still are STEM-related, are Cosmetology (industry certification), Auto Technology, Agriculture, Criminal Justice/Forensic Science, Fine Arts, and Business. We have also incorporated AVID into the campus this school year. All teachers use the WICOR strategies in their classroom and focus on college readiness standards.

Outside of the classroom students experience work-based learning through the internship hours they do with Animal Services and other local Veterinarians as they work towards their Certified Veterinarian Assistance Licensure. We also intend to have the TEALS program support our Computer Science pathway. With this support, students will have the opportunity to work with a computer scientist and software developers from the community. This is pending the TEALS grant award.

At the middle school students are exposed to career explorations and have the opportunity to investigate a wide variety of STEM jobs. The STEM pathways that are offered at the high school are highlighted through this Career Exploration class. Middle school students also participate in VEX Robotics as an after-school activity. This activity links our computer science pathway to the middle school and allows high school students to help our middle school students learn about computer science.

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

We have several STEM-focused extracurricular activities on campus. We participate in the NASA Inspires competition with the University of Alabama at Huntsville. We also participate in Vex Robotics and host a very large robotics competition each year on campus. We also participate in science-related FFA competitions like FFA Science Fair and Veterinarian Science competitions. Students participate in the campus, district, regional and state science fair competitions. We have a STEM student organization and students can run for office in that organization. Senior STEM students complete a Capstone project that requires assistance from an expert in the field of study. This school year we will also be competing in a district-wide soapbox derby competition. This competition is being held through physics classes within the district and student will have to utilize their know; edge of Physics in order to compete in the competition.