EASTLAKE H S

T-STEM Renewal Application

2021-2022

Contents

Background

District Affiliation

SOCORRO ISD

CD #: 071909
Region: 19
Mailing Address (Line 1): 12440 ROJAS DR
Mailing Address (Line 2):
City, State, Zip: EL PASO, TX 79928

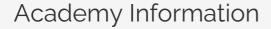## School Affiliation

EASTLAKE H S

CDC #: 071-909-008
Region:
Mailing Address (Line 1): 13000 EMERALD PASS
Mailing Address (Line 2):
City, State, Zip: EL PASO, TX 79928

Academy Information

What is the academy name?

SATA T-STEM Academy

Which model does the district intend to implement at this time? Within these models, there are variations.

School-Within-School (SWS) - A subset of students on the campus are enrolled in grades 9-12 are enrolled in the academy.

Grade Levels Served

What grade level(s) will your academy plan to serve in the 2021-2022 school year?

9
10
11

Enter the number of students that you plan to serve in 9th grade.

65

Enter the number of students that you plan to serve in 10th grade.

60

Enter the number of students that you plan to serve in 11th grade.

50

Contacts

Applicant

Applicant 1

Job Title

Assistant Principal

Name Prefix

Mr.

First Name

Edgar

Last Name

Ponce

Email

eponce05@sisd.net

Phone

915-937-3600

Principal

Principal 1

Name Prefix

Mr.

First Name

Gilbert

Last Name

Martinez

Email

gmarti22@sisd.net

Phone

915-937-3600

Superintendent

Superintendent 1

Name Prefix

Dr.

First Name

Jose

Last Name

Espinoza

Email

jespino01@sisd.net

Phone

915-937-0000

Narratives

Current Designations at SOCORRO ISD:

- SOCORRO H S - ECHS - 1516
- MONTWOOD H S - ECHS - 1617
- MONTWOOD H S - T-STEM - 1415
- AMERICAS H S - ECHS - 1718
- EL DORADO H S - ECHS - 1819
- MISSION EARLY COLLEGE H S - ECHS - 0607
- EASTLAKE H S - ECHS - 1819
- EASTLAKE H S - T-STEM - 1819
- PEBBLE HILLS H S - ECHS - 1819

Previous Planning Year Applications at SOCORRO ISD:

Narratives

The majority of the following questions will be narrative response. Narrative responses are limited to a maximum of 250 words. We recommend writing your responses in a text-editing software such as Microsoft Word and then pasting your responses into the website when they are complete. Progress to the next section when you are ready.

Narratives: Recruitment and Enrollment, Degrees and Credentials

Degrees and Credentials

Select the Career Cluster(s) that your academy plans to offer in 2021-2022.

STEM

Select the Career Cluster(s) that your academy plans to offer in 2021-2022.

Programming and Software Development

Which of the following credential(s) does the academy plan to offer students in 2021-2022 school year?

IC

What industry certifications does the academy plan to offer?

Item

Microsoft Technology Associate (MTA) Introduction to Programming Using Python

Microsoft Technology Associate (MTA) Security Fundamentals

Microsoft Technology Associate (MTA) Introduction to Programming Using Java

Does the IHE partner currently have an articulation agreement with a four-year IHE detailing how a student's associate degree and accrued credits could lead to a baccalaureate degree?

Yes

Provide the university name that your IHE partner has an articulation agreement with and the bachelor degree that students could earn using their associate degree and accrued credits. Each row represents a degree.

2-Year Degree	University	4-Year Degree
El Paso Community College		

Recruitment and Enrollment

Describe any changes in established plans for recruitment and enrollment process that meet open enrollment requirements.

SATA T-STEM Academy has open enrollment and has made several modifications to meet the current health guidelines in regards to recruitment. All applications will be done thru Socorro ISD online portal. The academy has kept its annual summer bridge program that welcomes incoming 9th grade students to school. Teachers from the academy have been collaborating with middle school teachers within the district to host multiple remote events, such as Gateway Cyber Remote Competition and PicoCTF. The academy has participated in the district's Remote Advance Academy Nights, this event is targeted at 8th-grade students for the sole purpose to promote the programs and recruit. In addition, SATA instructors have partaken in the annual Virtual Career Awareness Showcase, this event is offered to students in the 4th to 8th grade. In addition, the District CTE department organizes zoom meetings with Entrepreneurship teachers so that the 8th-grade students may have a live feel of the program with our SATA instructors.

Narratives: Strategic Partnerships: IHE, Strategic Partnerships: Business Partner

Strategic Partnerships: IHE

IHE Partner 1

Affiliation

EL Paso Community College

Name Prefix

Ms.

First Name

Tonie

Last Name

Badillo

Email

mbadill4@epcc.edu

Phone

915-831-6755

Job Title

Dean of Dual Credit and Early College High Schools

The T-STEM academy shall have strategic partnerships with business and industry partners and Institutions of Higher Education (IHEs) that are formally articulated in writing and clearly define a variety of STEM careers.

Describe how the IHE articulation agreement addresses the following IHE Blueprint Requirement: Curriculum alignment and courses of study, which enables a student to combine high school courses and college-level courses to earn either an associate degree, postsecondary certificate provided by an IHE, or industry certification.

Eastlake high school is currently in agreement with El Paso Community college so that our students may take Programming Fundamentals 1, Programming Fundamentals 2,Programming Fundamentals 3 and machine programing. Students at Eastlake High School have the opportunity of taking college board advanced classes.: AP Computer Science Principals and AP Computer Science A. which include the college rubrics for COSC 1436, COSC 1437 and COSC 2336. In preparing students for industry certification the following upper division courses are offered: PLTW Cyber security , Computer Science Senior Capstone Course, and/or Capstone Cyber Security, Video Game and/or Web Development.

Describe how the IHE articulation agreement addresses the following IHE Blueprint Requirements: Policies for: 1) advising students on the transferability of all college credit offered and earned, 2) ensuring the IHE transcripts college credit earned through dual credit in the same semester that credit is earned, 3) advising students as to the transferability and applicability to baccalaureate degree plans for all college credit offered and earned (college credits earned during high school should allow students to progress from an associate degree to a bachelor's degree and beyond in their chosen field), 4) students accessing the IHE facilities, services and resources

1. Eastlake High School has a counselor assigned to the T-STEM academy being an active member. - Attends Parent meeting -IHE partnership meeting - Advisory board meetings all meeting are done remotely. 2. Counselor audits transcripts in order to make sure that all dual credit classes or AP classes are honored at post secondary institutions. Ensure students attend a remote summer camp so that they may take the TSI exam and qualify for dual credit classes their 9th grade year. 3. SATA Counselor and SATA T-STEM coordinator meet with students to ensure they are following the correct sequence that will set them up for dual credit classes at El Paso Community College. 4. Currently all courses are remote. Socorro ISD has provided student with a laptop and digital textbooks. Eastlake will collaborate with SISD CTE facilitator to ensure students have transportation from and to El Paso Community College once students are allowed to be at campus.

Describe how the IHE articulation agreement addresses the following IHE Blueprint Requirements: Transportation costs and fees including provisions for discontinuing operation while ensuring students previously enrolled will have opportunity to complete their course of study.

Eastlake High School has highly qualified teachers at the campus in the core subjects to include some but not limited to: Dual Credit English, Dual Credit US History, Dual Credit Math courses. In order to provide Dual Credit courses Socorro ISD offers teacher scholarships with the intent to have them be

accredited to teach Dual Credit courses. Eastlake HS also has teachers be facilitators for online DC courses. Highly qualified accredited teachers limits the need to travel. Assigned counselor collaborates with the SATA team to ensure students are following the correct coherent course of sequence.

Describe how the IHE articulation agreement addresses the following IHE Blueprint Requirements: Data sharing agreement that includes provisions for teacher data such as qualifications and student level data such as credit hours taken and earned, GPA, formative data to assess if student is on track for college readiness

Socorro ISD scheduled Remote Advance Academy nights during December with the goal to recruit students. Eighth grade students across Socorro ISD that are interested in the SATA T-STEM Academy can apply to join the academy. The application is opened to all students and is used to identify students that want to attend SATA. The counselor has access to this data. Students in the middle school are encourage to take Algebra I and Spanish. SATA offers summer bridge camps that prepare student for TSI. Students that pass the TSI are offered DC courses. Students that fall short of passing the TSI have additional opportunities during the fall semester to test. Edmentum is used to prepare students for TSI.

Strategic Partnerships: Business Partner

Business/Industry Partner 1

Affiliation/Company

Success Through Technology Education Foundation

Job Title

Executive Director

Name Prefix

Mr.

First Name

Joseph

Last Name

Sapien

Email

sttefoundation@gmail.com

Phone

915-240-5571

Describe how the Business/Industry articulation agreement addresses the following

Business/Industry Blueprint Requirements: Clear roles and responsibilities for work site supervisors, mentors, teachers, support personnel, and other partners.

Currently the Eastlake Computer Science program has an Advisory Board composed of students, parents, Eastlake faculty, SISD faculty, industry members and post-secondary members. Advisory Board members are assisting in offering student internships for real world experiences. Advisory Board meetings are tentatively planned every semester. Minutes are taken and documented, forwarded to every participant in order to maintain constant and open communication. Currently all field trips are on hold due to Covid 19 guidelines, yet in previous years field trips were organized around industries that are specialized in computer science such as White Sands Missile Range, AT&T,and Prudential. Guest speakers in the industry are scheduled to present via TEAMS to SATA students periodically during the school year. CTE department organizes Advance Academy nights where the SATA coordinator presents to parents and students.

Describe how the Business/Industry articulation agreement addresses the following Business/Industry Blueprint Requirements: Support for students' activities, such a clubs, Career and Technical Student Organizations, competitions, and special invitations.

Students in the T-STEM program are encouraged to be part of our National CTSO, TSA (Technology Student Association). They participate in many competitions which include video game design, coding, App design, and robotics. Our current business partner runs STEAMX which is a regional competition with diverse entries. In order to promote female participation in the field of computer science, SATA participates in a nationally recognized competition known as NCWIT. SATA will be organizing the first in house coding competition that will be open to 8th graders and high school students.

Describe how the Business/Industry articulation agreement addresses the following Business/Industry Blueprint Requirements: Student access to business and industry partners and work-based learning facilities, services, and resources.

Socorro ISD CTE department has invested in a business coordinator Brenda Gonzalez, who is organizing internships for students and externships for teachers, to include job shadowing for both. Socorro ISD CTE department in partnership with Workforce Solutions Borderplex, organized a first virtual Job Con event to help students learn about education pathways, fields of study, and careers. The event will provide hands-on career exploration. A future goal is to have our SATA students intern with the Amazon Facility that will be opening soon.

Describe how the Business/Industry articulation agreement addresses the following Business/Industry Blueprint Requirements: Transportation fees and costs.

In order to expose SATA students to current computer science professionals, guest speakers are invited to present during the school year using our digital learning system. If COVID-19 gets under control, field trips to companies will be scheduled. CTE department covers the cost of transportation. In addition, SATA instructors have access to Nepris, an online tool that provides work-based learning. This is a resource that helps bring business and industry professionals to the classroom. This prevents cost and fees of travel

Narratives: Regional Workforce Alignment, Work-Based Learning

Regional Workforce Alignment

List the regional high-demand occupations your academy intends to address through selected program(s) of study and work-based learning.

Regional High-Demand Occupation
Computer and Information Systems Security/Information Assurance

Work-Based Learning

Complete the activity tables below illustrating the work-based learning activities that your academy plans to offer students at each grade level. Please ensure the activities are STEM focused.

Add up to three activities offered to 9th grade students.

9th Grade Activities
Summer Bridge Camp
TSI Prep
Students are part of TSA (Technology Student Association) it is a CTSO (Career Technical Student Organization). This is a national organization that offers students the opportunity compete regionally and advance to state up to nationals. All SATA students form part of this association.

Add up to three activities offered to 10th grade students.

10th Grade Activities
TSA Leadership Camp
UIL Computer Science
AT&T Tech Day

Add up to three activities offered to 11th grade students.

11th Grade Activities

Summer Internships

Dual Credit Courses

Team Building Activities

Narratives: Advanced Academics

Advanced Academics

Select the type of advanced courses (dual credit/AP/IB) your campus plans to offer students in 2021-2022.

AP

Describe any challenges in ensuring your academy has educators with qualification to teach dual credit. What steps did your academy take to address the need?

One of our teachers has their master's in Cybersecurity and is currently working on getting credentialed to teach college courses for dual credit. Meanwhile, our students have the opportunity to take dual credit computer science classes at our early college since we are partnered with El Paso Community College.

Is the academy a TSIA testing site?

Yes

Narratives: STEM-Focused Extracurriculars, Curriculum and Support

Curriculum and Support

Provide examples of how the campus plans to provide students with academic services. List activities and brief descriptions of the activities. Add a new row for each provided service.

Activity	Description
After School Tutoring	Students receive academic support
AP Sessions	Prep Session
Summer Bridge Camp	One week long camp with TSI
Virtual Parent Meeting	Meeting with parents to answer any questions or give program updates
Intersession TSI Camp	TSI Prep sessions

Provide examples of how the campus plans to provide students with wrap-around services. List activities and brief descriptions of the activities. Add a new row for each wrap-around service.

Activity	Description
Academic Audits	Identify students that are falling below grade level
Virtual Parent Night	Informative meeting about students
Ninth Grade Orientation	Incoming students, going over district policies
Parent emails	Inform parents of any updates
Career Awareness Showcase	Current students present to 4th to 8th grade students

How does your academy use the access, achievement, and attainment data for program improvement?

-Socorro ISD is data-driven, several resources are used to ensure and maintain student success. -Eastlake high school uses accountability reports provided by the state to develop campus goals. -SATA falls in compliance with campus vision and goals which include: -Coherent completion rate -Certifications -Advanced placement completion -Dual credit completion -Female recruitment and retention

STEM-Focused Extracurriculars

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

-All STEM students will be encouraged to be part of TSA (Technology Student Association), this is a

National Student Association that allows students to participate in different competitions. Including Video Game Design, Coding, Story Book, App Design -Students will also be encouraged to be part of STEAMX, a regional engineering competition that is tied to border plex workforce solutions. Including Tiny House, Java Coding, App Design, Applications of Technology. -The academy will encourage female students to participate in the NCWIT (National Center for Women In Technology) where students compete in online programming tasks. -Academy has developed the first in-district Hackathon Computer Science competition. -We offer our students opportunities to compete in regional, state, and national competitions such as TSA, UIL, CyberPatriots and PicoCTF. The program also seeks out additional non-traditional opportunities such as Girls Who Code. -A virtual Computer science club is in place after school once a week where professionals in the field are always invited or former students from the program.

Narratives: Leadership Team

Leadership Team

List the Leadership Team's three priorities for the next year and describe how the selected priority contributes to the academy's success. Each priority should be a benchmark from the ECHS/T-STEM/P-TECH Blueprint.

Benchmark	Description
Semester Dual Credit Enrollment Numbers	Increase Dual Credit Enrollment by 20 %
Increase Female Enrollment Numbers	Recruitment
Increase the number of certified students and certifications offered	Certifications

Narratives: Benchmark 1 Products, Benchmark 2 Products, Benchmark 3 Products, Benchmark 4 Products, Benchmark 5 Products, Benchmark 6 Products, Benchmark Products

Benchmark Products

Benchmark 1 Products

Provide a link to the academy's mentor/induction program plans.

https://www.sisd.net/site/Default.aspx?PageID=62521

Provide a link to the academy's annual training or professional development plan with the academy and IHE faculty

https://www.sisd.net/site/Default.aspx?PageID=62382

Provide a link to the academy's leadership meeting agendas and notes.

https://www.sisd.net/site/Default.aspx?PageID=62390

Benchmark 2 Products

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

https://www.sisd.net/site/Default.aspx?PageID=62391

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.sisd.net/site/Default.aspx?PageID=62394

Provide a link to the academy's brochures and marketing in Spanish, English, and/or other relevant languages.

https://www.sisd.net/site/Default.aspx?PageID=62393

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.sisd.net/site/Default.aspx?PageID=62394

Benchmark 3 Products

Provide a link to the academy's meeting agendas and minutes, with action items and decision logs.

https://www.sisd.net/site/Default.aspx?PageID=62396

Provide a link to the academy's final, signed, and executed MOU with their industry partner/business.

https://www.sisd.net/site/Default.aspx?PageID=62398

Provide a link to the academy's final, signed, and executed MOU with their IHE

https://www.sisd.net/site/Default.aspx?PageID=62397

Provide a link to the academy's list of strategic partners with each member's organization, title and role in providing work-based learning for students by grade level.

https://www.sisd.net/site/Default.aspx?PageID=62399

Benchmark 4 Products

Provide a link to the academy's four-year crosswalk document

https://www.sisd.net/site/Default.aspx?PageID=62401

Provide a link to the academy's master schedule.

https://www.sisd.net/site/Default.aspx?PageID=62402

Provide a link to the academy's curriculum alignment documents.

https://www.sisd.net/site/Default.aspx?PageID=62403

Provide a link to the academy's testing calendar and schedule for TSI, ACT, SAT or other

assessments.

https://www.sisd.net/site/Default.aspx?PageID=62524

Provide a link to the academy's documentation detailing a minimum of three course of study examples that outline student pathways from high school, to associate degrees, to work credential and beyond.

https://www.sisd.net/site/Default.aspx?PageID=62405

Benchmark 5 Products

Provide a link to the academy's documentation of appropriate work-based learning expereinces for students at all grade levels.

https://www.sisd.net/site/Default.aspx?PageID=62417

Provide a link to the academy's current dated regional high demand occupation list.

https://www.sisd.net/site/Default.aspx?PageID=62522

Provide a link to the academy's aggregate data describing student participation in work-based learning experiences as well as percentage of students earning industry certification and credentials by type.

https://www.sisd.net/site/Default.aspx?PageID=62523

Provide a link to the academy's samples of student artifacts such as writing, portfolios, presentations, or links to digital content.

https://www.sisd.net/site/Default.aspx?PageID=62525

Benchmark 6 Products

Provide a link to the academy's bridge program calendar and curricula.

https://www.sisd.net/site/Default.aspx?PageID=62527

Provide a link the academy's tutoring and other intervention/remediation program schedules,

https://www.sisd.net/site/Default.aspx?PageID=62528

Provide a link to the academy's calendar of family outreach events.

https://www.sisd.net/site/Default.aspx?PageID=62529