EASTLAKE H S

T-STEM Renewal Application

2020-2021

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 2020-2021 school year?

9
10

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

70

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

60

Contacts

Applicant

Applicant 1

Job Title

Assistant Principal

Name Prefix

Mr.

First Name

Edgar

Last Name

Ponce

Email

eponce05@sisd.net

Phone

915-937-3605

Principal

Principal 1

Name Prefix

Mr.

First Name

Gilbert

Last Name

Martinez

Email

gmarti22@sisd.net

Phone

915-937-3601

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: 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?

PSC

What level 1 postsecondary certificate(s) provided by an IHE does the academy plan to offer?

Item

Cybersecurity

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?

No

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.

Students in the academy will complete a House Bill 5 endorsement under STEM.The coherent sequence is as follows: 9th – AP Computer Science Principles ,10th AP Computer Science A and Computer Science Elective, 11th PLTW Cyber Security and/or Computer Science Elective, 12th Senior Capstone Course or PLTW Cyber Security. Courses listed above follow Project Lead the Way curriculum. At the end of the Spring semester students are eligible to take the Advance Placement exam. Additional course electives include : Robotics, DC Programming Fundamentals I, II, Video Game Development, Website Development. El Paso Community College is extremely supportive of the academy's effort to enroll students in the following dual credit computer science courses: COSC 1436 Programming Fundamentals I, COSC 1437 Programming Fundamentals II, COSC 2336 Programming Fundamentals III, and COSC 2425 Computer Organization and Machine Language.

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

District CTE counselor, campus counselor, and facilitator coordinate with campus administration to align the program course sequence. Academy has a crosswalk, similar to a degree plan, that informs

students and parents of the courses offered at the campus and how they are equivalent to El Paso Community College courses. In order for students to meet State and EPCC requirements for admission to College, TSI passing scores for reading,writing and math must be met. Additional opportunities for TSI testing are available periodically for students that do not pass the TSI Reading/Writing/Math. Academy counselor will transcribe the College dual credit the same semester the credit is earned, EPCC will transcript College grades upon student's completion of the performance required in the course and report the official College grade to the High School registrar and coordinator. Academy counselor audits transcripts in order to make sure that all dual credit classes or AP classes are honored at post secondary institutions. . Academy students enrolled in DC courses have access to the same services available to all EPCC students including: new student orientation, learning materials, and academic achievement programs. Students enrolled in a DC course will comply with EPCC academic policies.

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.

Transportation costs are limited since Eastlake High School has highly qualified accredited teachers at the campus in the core subjects to include but not limited to: Dual Credit English, US History, Mathematics, and Science courses. Socorro ISD offers teacher scholarships with the intent to have them be credentialed to teach Dual Credit courses in the core and computer science subjects. Since Eastlake HS provides the instructor onsite, tuition and fees are waived, for students attending EPCC there is a set fee per student that is assessed to the district will comply with payment. Text books and instructional material are provided by the campus. Transportation arrangements are made for students attending an EPCC campus, through the use of CTE funds.

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 schedules Advance Academy nights during November 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 open to all students and is used to identify students that want to attend SATA. Students in the middle school are encouraged to take Algebra I and Spanish. SATA has a summer camp that prepares students for TSI, students that pass the TSI are offered DC courses at the start of their freshmen year. 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

Prudential

Job Title

Manager Computer Science Lead

Name Prefix

Mr.

First Name

John

Last Name

Mack

Email

john.mack@prudential.com

Phone

915-745-6145

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. Field trips are organized around industries that are specialized in computer science such as White Sands Missile Range, AT&T, and Prudential. CTE department assists in the cost for transportation. Guest speakers in the industry are scheduled to present to SATA students periodically during the school year. CTE department organizes Advance Academy nights where SATA coordinator presents to parents and students. CTE department organized Zoom a conferencing tool used to schedule meetings with middle school Entrepreneurship course. The intent to recruit and promote SATA.

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.

All T-STEM students are 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 have been 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. Female students participate in the NCWIT (National Center for Women In Technology) where students compete online, programming tasks. We offer our students opportunities to compete in regional, state, and national competitions such as TSA, UIL, and CyberPatriots. A Computer science club is in place after school on Mondays and Thursdays where professionals in the field are always invited.

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 on a business coordinator Brenda Gonzalez, who is organizing internships for students and externships for students, to include job shadowing for both. Socorro ISD CTE department in partnership with Workforce Solutions Borderplex, organized a first Job Con event to help sophomore students learn about education pathways, fields of study and careers. The event provided hands on career exploration it was held at Eastlake HS. CTE department plans to schedule this event annually during the Fall semester.

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 industry instructors will schedule guest speaker to present during the school year. Field trips to companies are scheduled periodically , CTE department covers the cost of transportation. In addition SATA instructors use Nepris, an online tool that provide 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

Ninth grade students will attend field trips to local companies that have a high demand for computer science skills. These companies are AT&T, El Paso Electric, and Prudential.

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

Incoming tenth grade students will help run the summer SATA bridge camp. Students will take a leadership role by mentoring incoming 9th grade students through computer science coding challenges. This camp is a week long.

Students will continue to be 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.

Narratives: Advanced Academics

Advanced Academics

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

DC
AP

What type of dual credit courses does your campus plan to offer?

AGCM

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?

To meet the demand of qualified dual credit teachers, Socorro ISD has a scholarship program that offers teachers the opportunity to pursue their master's in their content area.The academy currently

has teachers completing the program in core areas and computer science.

Is the academy a TSIA testing site?

No

Narratives: STEM-Focused Extracurriculars, Student Support

Student 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 recieve academic support
AP Sessions	Prep Session
Summer Bridge Camp	One week long camp with TSI

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
Parent Night	Informative meeting about students
Ninth Grade Orientation	Incoming students, going over district policies
Parent emails	Inform parents of any updates

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 students success 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 can include: - Coherent

completion rate - Certifications - Advanced placement completion - Dual credit completion

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 online, programming tasks. -Academy will; develop the first district Hackathon Computer Science competition. Including - Video Game Development with Scratch. -We offer our students opportunities to compete in regional, state, and national competitions such as TSA, UIL, and CyberPatriots. The program also seeks out additional non-traditional opportunities such as the current Google Change The Game Challenge. -A Computer science club is in place after school on Mondays and Thursdays where professionals in the field are always invited.

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
Meet OBM Targets	Meet Targets for Designation
Female Recruitment	Collaborate with feeder schools and recruitment
Student Completion of Sequence	Student auditing, parent nights, presentations, Campus master schedule

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://drive.google.com/drive/folders/1kUfoFZkOAKAo__BkWh79wO4SS5WhPagX

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

https://drive.google.com/drive/folders/1eUaV7decQ8B3x9ZZFDGyyt87gi1ESq9H

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

https://drive.google.com/drive/folders/1qNNG-N3xIi3fxeDHgI8s8dhUVKJLwdf6

Benchmark 2 Products

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

https://drive.google.com/drive/folders/1D15V71xLs79u-guxtAKVAshnm-jPbyG2

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://drive.google.com/drive/folders/17b4qGcWxvAkikc_Im_MtS1y3u46FX5vn

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

https://drive.google.com/drive/folders/1zm9cH_Zyfd_tQ6Zj2vdxNpOfzI8DeCRb

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://drive.google.com/drive/folders/1R-hOtRGhL0Y-um7L3YOqfdETBxeWB6t3

Benchmark 3 Products

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

https://drive.google.com/drive/folders/1Xt1rosb307OZHVFfS_mbRLivYx_DezyH

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

https://drive.google.com/file/d/1gB8K_ly2GgWEpWqMC0u3Aco6W54Sv2ac/view

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

https://drive.google.com/file/d/1IXc3O29kQTx3gZFoUr6dpG1RzsSwEmjE/view

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://drive.google.com/drive/folders/1uKcifGo-xmHlpUfVVbgqGyz5PBJT0rVm

Benchmark 4 Products

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

https://drive.google.com/file/d/1J6H9-kOZ8thoADQlSNsufkUj2Y3gR0lG/view

Provide a link to the academy's master schedule.

https://drive.google.com/file/d/1TmAbLQYpG388tAzZSHGnvifnWd_6CvFm/view

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

https://drive.google.com/file/d/195WyFjvCHmUmzyHk6LNkNZH2iN0Ngzyd/view

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

https://drive.google.com/file/d/13C0kCOlukzRWnTuhjiJ3FYvhar7RZ3Mc/view

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://drive.google.com/drive/folders/1yLdzb89KmA26MqkDICr9A9mUeQ9yQhVE

Benchmark 5 Products

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

https://docs.google.com/document/d/1VAgmgv-EDoF4_-KE8NvF85VhB2SyKQ6vJVJRAYIqNuU/edit

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

https://drive.google.com/file/d/1EAN__WBC_3EyErX6ldSkQlF9AhBhp_3o/view

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://drive.google.com/file/d/1EAN__WBC_3EyErX6ldSkQlF9AhBhp_3o/view

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

https://docs.google.com/document/d/1LPQTMfMlk4tybvPE4B7hpUxybQZBLQAS0_a2ChnvxFo/edit

Benchmark 6 Products

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

https://drive.google.com/file/d/1BlthLBco9lR1MHC76lASNmcHk3ui3Hvp/view

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

https://drive.google.com/file/d/195xJrcJ5wkzMi1fpkxoKl7eSwwedLe4d/view

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

https://drive.google.com/drive/folders/10kMqHZip4aCPl9pCGzqh9kz2OYK-pBLy