



AKINS H S
T-STEM Renewal Application
2020-2021

Contents

[Background](#)

[Contacts](#)

[Narratives](#)

[Narratives: Degrees and Credentials](#)

[Narratives: Strategic Partnerships: IHE, Strategic Partnerships:
Business Partner](#)

[Narratives: Regional Workforce Alignment, Work-Based
Learning](#)

[Narratives: Advanced Academics](#)

[Narratives: STEM-Focused Extracurriculars, Student Support](#)

[Narratives: Leadership Team](#)

[Narratives: Benchmark 1 Products, Benchmark 2 Products,
Benchmark 3 Products, Benchmark 4 Products, Benchmark 5](#)

[Products, Benchmark 6 Products, Benchmark Products](#)

[Download Assurances Signature Page](#)

Background

District Affiliation

AUSTIN ISD

CD #: 227901

Region: 13

Mailing Address (Line 1): 1111 W 6TH ST

Mailing Address (Line 2):

City, State, Zip: AUSTIN, TX 78703

School Affiliation

AKINS H S

CDC #: 227-901-017

Region:

Mailing Address (Line 1): 10701 S 1ST ST

Mailing Address (Line 2):

City, State, Zip: AUSTIN, TX 78748

BAILEY M S

CDC #: 227-901-059

Region:

Mailing Address (Line 1): 4020 LOST OASIS HOLLOW

Mailing Address (Line 2):

City, State, Zip: AUSTIN, TX 78739

MENDEZ M S

CDC #: 227-901-058

Region:

Mailing Address (Line 1): 5106 VILLAGE SQ DR

Mailing Address (Line 2):

City, State, Zip: AUSTIN, TX 78744

PAREDES M S

CDC #: 227-901-061

Region:

Mailing Address (Line 1): 10100 S MARY MOORE SEARIGHT DR

Mailing Address (Line 2):

City, State, Zip: AUSTIN, TX 78748

Academy Information

What is the academy name?

T-STEM

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

School-Within-School: Multiple Campuses - A subset of students in grades 6-12 are enrolled in the 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.

Grade Levels Served

What grade level(s) will your academy plan to serve in the 2020-2021 school year?

9
10
11
12

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

130

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

110

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

130

Enter the number of students that you plan to serve in 12th grade.

117

Contacts

Applicant

Applicant 1

Job Title

T-STEM Assistant Principal

Name Prefix

Mrs.

First Name

Carman

Last Name

DeLeon-Wissel

Email

carman.deleon-wissel@austinisd.org

Phone

512-841-9916

Principal

Principal 1

Name Prefix

Ms.

First Name

Tina

Last Name

Salazar

Email

tina.salazar@austinisd.org

Phone

512-841-9905

Superintendent

Superintendent 1

Name Prefix

Dr.

First Name

Paul

Last Name

Cruz

Email

paul.cruz@austinisd.org

Phone

512-414-2482

Narratives

Current Designations at AUSTIN ISD:

- LANIER H S - ECHS - 1617
- LANIER H S - P-TECH - 1819
- REAGAN H S - ECHS - 1112
- TRAVIS H S - ECHS - 1516
- CROCKETT H S - ECHS - 1718
- CROCKETT H S - P-TECH - 1819
- ANDERSON H S - T-STEM - 1516
- LBJ HIGH SCHOOL - ECHS - 1112
- LBJ HIGH SCHOOL - P-TECH - 1819
- AKINS H S - ECHS - 1819
- AKINS H S - P-TECH - 1920
- AKINS H S - T-STEM - 1011
- EASTSIDE MEMORIAL AT THE JOHNSTON CAMPUS - ECHS - 1617

Previous Planning Year Applications at AUSTIN ISD:

- REAGAN H S - P-TECH/ICIA - Planning

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.

Biomedical Science

Engineering

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

Autodesk Certified Professional or User in AutoCAD

Autodesk Certified Professional or User in Revit Architecture

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

Austin Community College

Name Prefix

Dr.

First Name

Shasta

Last Name

Buchanan

Email

shasta.buchanan@austincc.edu

Phone

512-223-7679

Job Title

Associate Vice President, College & High School Relations

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.

The T-STEM academy Akins ECHS has had long time partnerships with both ACC and UTO nRamps. These partnerships allow our T-STEM students to gain dual credit. The agreement between ACC and AISD is to offer courses which grant credit that can be utilized by high school graduation requirements as well as for college credit, which then can lead to a college certificate or degree.

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

ACC and Akins ECHS are equal parties and share the responsibility of ensuring IHE transcripts are accurate and reflective of courses taken in a given semester and that advising for students occur on home campus. This is illustrated in the agreement to share responsibilities and ensure that faculty, staff, and administration are all trained. The agreement also allows for the provision of classes and/or courses as needed and as students qualify. The parties also agree to collaborate on the designation of

facilities and space as needed in order to ensure student success.

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.

Students participating in ACC and UTOncourses have accessibility to those courses via canvas/blend integrated software allowing students to access course online at school and from home. Our partnership with each IHE also promotes collaboration with the school, student, faculty, staff and community to ensure program and student success.

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

In our agreement, both ACC and AISD work in conjunction to provide all necessary data needed to ensure student success in ACC courses. At the school level we provide student level data that includes but is not limited to grade level, high school credits attempted and pass rates, GPA, SAT/ACT/PSAT/TSI/ AP Exam Scores, TSI readiness by grade level. The agreement also states that ACC and AISD (Akins ECHS) will provide each other with faculty qualifications and required documents as needed.

Strategic Partnerships: Business Partner

Business/Industry Partner 1

Affiliation/Company

ecoRise

Job Title

Deputy Director

Name Prefix

Ms.

First Name

Abby

Last Name

Randall

Email

abby@ecorise.org

Phone

512-651-3563

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.

The team at EcoRise together with our leadership team, UT Austin SOA, and BLGY has created a detailed timeline for our Internship program including a detail list of dates, description of activities with assigned lead. This will enable our team here at Akins the flexibility to coordinate teachers and support personnel as needed.

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.

As a partner in education, EcoRise, LEED, and BLGY staff are a part of our leadership team. Although this partnership is in its early stages the expectation is that it will help to grow T-STEM activities both inside and outside the classroom for our students including but not limited to supporting clubs, competitions and extending special invitations.

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.

Through the LEED program students have access and support from EcoRise and BLGY staff. Students are able to tour existing sites that are LEED certified, including several AISD sites, meet with BLGY design team, visit onsite planning and construction sites, etc. Thus, all work-based learning facilities, services, and resources are provided on a variety of levels with real-world connections, experience, and workforce development.

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

Partnering with ecoRise and development of the LEED Prep Program is a new endeavor this year for Akins. At this time any transportation fees or costs, will be supported by CTE at the ISD level and/or at the student level. In the future as the program grows we may be adjusting this to be addressed in the agreement.

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

Machinist

Electrical and Electronic Engineering Technician

Industrial Machinery Mechanics

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

Workplace Tours/ Field Trips:

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

10th Grade Activities

Workplace Tours/ Field Trips:

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

11th Grade Activities

Workplace Tours/ Field Trips:

Practicum

Add up to three activities offered to 12th grade students.

12th Grade Activities

Workplace Tours/ Field Trips:

Internship

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?

Prior to the semester teachers teaching dual credit courses must complete any required trainings, professional development etc. with either ACC or UTonRamps.

Is the academy a TSIA testing site?

Yes

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
STEM focused student plans	STEM students have a pathway that includes a designated program of study
Academic support for intervention, remediation, and acceleration	We provide access to Saturday school as well as in school tutorial time known as FIT.
College readiness support	College readiness and support is available to all students in the College and career center which helps with advising, financial aid support, and additional college support with testing, field of study, etc.

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
Student support services	Provides emotional support, counseling etc.
Communities in Schools	Provides students with counseling and academic support
Parent Liason	Helps students and families with financial and basic need resources.

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

Our T-STEM academy uses the access, achievement, and attainment data to make opportunities accessible to all students. In the spring we have an Academy Fair night. This is an opportunity for our T-STEM Academy to showcase our classes and students for students coming up from middle school, their parents, and the community. We also bring in experts in the field to come and speak to our students during advisory. This gives all students access to those working in STEM fields, who can offer information and answer questions first hand.

STEM-Focused Extracurriculars

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

Students in Rockets course participate in Rocket Launch in the spring. This upcoming year students will

have the opportunity to participate in robotics and robotics competitions. 11th and 12 grade students will also have an opportunity to participate in an internship with EcoRise.

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
Target Population	Continue to work with vertical team to recruit target population students into our T-STEM program. This is help continue expanding out OBM's.
Strategic Alliances	Continuing to expand our list of strategic partners with each member's organization, title and role in providing work-based learning for students by grade level. This is especially important as we expand our designation to our feeder middle schools and grow our student levels.
Work Based Learning	Documentation of appropriate work-based learning experiences available for students at all grade levels (6-12). In adding 6-8 we need to work to expand our work based learning at the middle school levels.

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.austinisd.org/tad/professional-learning/mentoring-program>

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

https://www.akinseagles.org/apps/pages/index.jsp?uREC_ID=296361&type=d&pREC_ID=1752361

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

<https://4.files.edl.io/584e/01/13/20/223259-2d351883-a9ff-4e83-8b68-1ce742155350.pdf>

Benchmark 2 Products

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

https://www.akinseagles.org/apps/pages/index.jsp?uREC_ID=296361&type=d&pREC_ID=694141

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.akinseagles.org/apps/pages/index.jsp?uREC_ID=296361&type=d&pREC_ID=1752361

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

<https://4.files.edl.io/9758/08/26/19/195249-88de3c3e-e3b7-44b5-b05d-d20d91206d4a.pdf>

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.akinseagles.org/apps/pages/index.jsp?uREC_ID=296361&type=d&pREC_ID=1752361

Benchmark 3 Products

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

https://www.akinseagles.org/apps/pages/index.jsp?uREC_ID=296361&type=d&pREC_ID=1752361

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

https://www.akinseagles.org/apps/pages/index.jsp?uREC_ID=296361&type=d&pREC_ID=1752361

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

<https://4.files.edl.io/fdc9/01/16/20/235534-f9cb98a8-ec12-4fc4-8376-fda7b9e3ce3.pdf>

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.akinseagles.org/apps/pages/index.jsp?uREC_ID=296361&type=d&pREC_ID=1596840

Benchmark 4 Products

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

https://www.akinseagles.org/apps/pages/index.jsp?uREC_ID=296361&type=d&pREC_ID=694141

Provide a link to the academy's master schedule.

<https://docs.google.com/spreadsheets/d/1r-2tK5aFWyoZAK5f3zGYaWf0AUSbQZpr/edit?dls=true>

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

https://www.akinseagles.org/apps/pages/index.jsp?uREC_ID=296361&type=d&pREC_ID=694141

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

https://www.akinseagles.org/apps/pages/index.jsp?uREC_ID=1565936&type=d&pREC_ID=1694032

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.akinseagles.org/apps/pages/index.jsp?uREC_ID=296361&type=d&pREC_ID=694141

Benchmark 5 Products

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

https://www.akinseagles.org/apps/pages/index.jsp?uREC_ID=296361&type=d&pREC_ID=694141

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

https://www.akinseagles.org/apps/pages/index.jsp?uREC_ID=296361&type=d&pREC_ID=694141

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.akinseagles.org/apps/pages/index.jsp?uREC_ID=296361&type=d&pREC_ID=1757535

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

<https://twitter.com/AkinsSTEM>

Benchmark 6 Products

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

https://www.akinseagles.org/apps/pages/index.jsp?uREC_ID=1582262&type=d&pREC_ID=1709785

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

https://www.akinseagles.org/apps/pages/index.jsp?uREC_ID=362698&type=d&pREC_ID=796149

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

<https://www.akinseagles.org/apps/events/?id=0>
