TEKOA ACADEMY OF ACCELERATED STUDIES

T-STEM Renewal Application

2021-2022

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Background

District Affiliation

TEKOA ACADEMY OF ACCELERATED STUDIES STEM SCHOOL

CD #: 123803
Region: 05
Mailing Address (Line 1): 326 THOMAS BLVD
Mailing Address (Line 2):
City, State, Zip: PORT ARTHUR, TX 77640

School Affiliation

TEKOA ACADEMY OF ACCELERATED STUDIES

CDC #: 123-803-001
Region:
Mailing Address (Line 1): 326 THOMAS BLVD
Mailing Address (Line 2):
City, State, Zip: PORT ARTHUR, TX 77640

TEKOA ACADEMY OF ACCELERATED STUDIES

CDC #: 123-803-041
Region:
Mailing Address (Line 1): 326 THOMAS BLVD
Mailing Address (Line 2):
City, State, Zip: PORT ARTHUR, TX 77640

Academy Information

What is the academy name?

Tekoa Academy of Accelerated Studies STEM School

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

Stand Alone Academy - All students on the campus are enrolled in the academy.

Grade Levels Served

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

6
7
8
9
10
11
12

Enter the number of students that you plan to serve in 6th grade.

25

Enter the number of students that you plan to serve in 7th grade.

25

Enter the number of students that you plan to serve in 8th grade.

25

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

25

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

25

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

25

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

25

Contacts

Applicant

Applicant 1

Job Title

Chief Executive Officer

Name Prefix

Dr.

First Name

Paula

Last Name

Richardson

Email

prichardson@tekoacharterschool.org

Phone

409-982-5400

Principal

Principal 1

Name Prefix

Dr.

First Name

Paula

Last Name

Richardson

Email

prichardson@tekoacharterschool.org

Phone

409-982-5400

Superintendent

Superintendent 1

Name Prefix

Dr..

First Name

Paula

Last Name

Richardson

Email

prichardson@tekoacharterschool.org

Phone

4099825400

Narratives

Current Designations at TEKOA ACADEMY OF ACCELERATED STUDIES STEM SCHOOL:

- TEKOA ACADEMY OF ACCELERATED STUDIES - T-STEM - 1617

Previous Planning Year Applications at TEKOA ACADEMY OF ACCELERATED STUDIES STEM SCHOOL:

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.

Education and Training
STEM

Select the Program(s) of Study your academy plans to offer in 2021-2022.

Teaching and Training

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

Cybersecurity

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

AD
PSC
PSC2

What associate degree(s) does the academy plan to offer?

Item
Cybersecurity
Education

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

Item
Cybersecurity
Early Childhood

What level 2 postsecondary certificate(s) provided by an IHE does the academy plan to offer?

Item

Educational/Instructional Technology

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
AS	Lamar University	BS

Recruitment and Enrollment

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

Tekoa T-STEM Academy is an open-enrollment charter; therefore, the recruitment and enrollment process plans are changed in regards to recruitment activities only. The Academy is always improving recruitment strategies to reach more potential students.

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

Strategic Partnerships: IHE

IHE Partner 1

Affiliation

Lamar State College Port Arthur

Name Prefix

Mrs.

First Name

Hilda

Last Name

Billups

Email

billupshm@lamarpa.edu

Phone

409-984-6102

Job Title

Directors of Dual Credit Programs

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.

Tekoa Academy of Accelerated Studies S.T.E.M. School has partnered with Lamar State College-Port Arthur to offer students Dual Credit enrollment. The IHE currently offers 31 associate degrees and 24 technical certificates including liberal arts, social science, math, science, technology advanced manufacturing, and allied heal fields of study. Therefore, as they progress through their high school career they can earn their high school diploma along with college credits and could earn an Associates' Degree, or an Industry Certification.

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

The Articulation agreement specifically states that: (add section and/or page #) 1. the liaison along with high school personnel will advise students on the transferability of all college credits offered and earned through individual counseling, class meetings, and parent outreach activities. 2. The IHE will transcribe all college credit in the same semester credit is earned. 3. Through the same processes such as individual conferences, students are provided information to obtain a bachelor's degree from a four-year university through the articulation agreement that Lamar State College-Port Arthur has with the

University. 4. High school students have access to all IHE facilities services and resources.

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.

According to the articulation agreement, all transportation costs and fees are the responsibility of Tekoa Academy of Accelerated Studies S.T.E.M. School. If the agreement is terminated, students enrolled in the program will have the opportunity to complete the program under the provision of the agreement.

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

The IHE and Tekoa Academy of Accelerated Studies S.T.E.M. School share information about educators' needs, qualifications, and course and curriculum sequencing. The student data is shared under the guidelines of FERPA and the college liaison and high school personnel collaborate on student data for progress monitoring. The IHE provides a liaison to Tekoa Academy of Accelerated Studies S.T.E.M. School to assist campus personnel with data sharing tasks.

Strategic Partnerships: Business Partner

Business/Industry Partner 1

Affiliation/Company

Space Center Houston

Job Title

Vice President of Education

Name Prefix

Mr.

First Name

Daniel

Last Name

Newmyer

Email

dnewmeyer@spacecenter.org

Phone

281-244-2146

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 partnership agreement between Tekoa Academy of Accelerated Studies S.T.E.M. School and Space Center Houston Manned Space Flight Education Foundation outlines the commitment to provide opportunities for students and educators. Space Center Houston has assigned a dedicated employee to work with Tekoa Academy of Accelerated Studies S.T.E.M. School to arrange site visits, guest speakers, work-based learning experiences, mentors, and internships. Educators are provided professional development opportunities by attending conferences such as SEEC (Space Exploration Educators Conference).

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.

Programs like Girls STEM Academy, STEM Gateway Cafe, Space Center University Bridge Program, and the Scientific Research Program are just some of the activities available to students through the partnership with Space Center Houston and Tekoa Academy of Accelerated Studies S.T.E.M. School. The academy also receives special invitations to attend events like Women in Stem or the 50th-anniversary celebration of the Apollo Moon Landing.

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.

The Manned Space Flight Education Foundation's relationship with Tekoa Academy of Accelerated Studies S.T.E.M. School provides educational training, internships, and employment opportunities. For students who are enrolled at the Tekoa T-STEM Academy Students are afforded many opportunities for onsite visits, special research projects, competitions, and mentorships, provided by Space Center Houston.

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

Transportation fees and cost are the sole responsibility of Tekoa Academy of Accelerated Studies STEM School.

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
Teaching
Cybersecurity

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 6th grade students.

6th Grade Activities
Guest Speakers
Learning Expeditions
Virtual Field Trips

Add up to three activities offered to 7th grade students.

7th Grade Activities
Guest Speakers
Learning Expeditions
Virtual Field Trips

Add up to three activities offered to 8th grade students.

8th Grade Activities
Career Exploration
Learning Expeditions
Virtual Field Trips

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

9th Grade Activities
Skill Building Opportunities
Career Fairs
Learning Expeditions/Virtual Field Trips

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

10th Grade Activities
Skill Building Opportunities (Resume Writing)
Career Fairs
Learning Expeditions/Virtual Field Trips

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

11th Grade Activities
Career Fairs
Learning Expeditions/Virtual Field Trips
Job Shadowing

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

12th Grade Activities
Career Fairs
Learning Expeditions/Virtual Field Trips

Internships
12th Grade 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.

DC

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

WECM
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?

Tekoa Academy of Accelerated Studies STEM School has partnered with Lamar State College-Port Arthur. Lamar's Dual Credit program is available online. Lamar will provide the online instructors, however, our students access their lessons and coursework on the Tekoa campus through Chromebooks.

Is the academy a TSIA testing site?

No

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
Benchmark Assessments	Three times a year students take benchmark assessments. Based upon their performance, students are identified for bi-weekly interventions.
RTI & Pullouts	Based on the results of the benchmark testing, students are identified on who will need additional instruction
Progress Monitoring	The entire administrative team evaluate student performance on a bi-weekly basis and make determinations on the effectiveness of the interventions.

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
Family Engagement Opportunities	Throughout the year families are invited to our campus to get involved and engage in their child's learning process including social and emotional support services offered in the community.
Visual and Hearing Screenings	Once a year, student's are screened for hearing and vision. If there is a problem, the parent is provided local services that can assist with corrections.

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

By taking into account each of the Access, Achievement, and Attainment OBM's, we are able to identify the strengths of the program and focus on areas that need improvement. Through continuous improvement, Tekoa Academy students gain a competitive advantage over other high school graduates.

STEM-Focused Extracurriculars

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

Students from Tekoa Academy participate in multiple clubs and competitions. For example, Tekoa Academy competes annually Texas Alliance for Minorities in Engineering regional competition for the chance to advance to the state level and earn scholarships. This competition consists of academic tests in math and science as well as an Engineering Design Challenge. This year, young ladies were sent to the Space University Bridge Program where they focused on developing solutions for rigorous space challenges.

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
Benchmark 3 - Strategic Alliances	We will continue to strengthen our current strategic alliances with our IHE & Industry partners and look forward to even more opportunities for our students.
Benchmark 4 - Curriculum, Instruction, and Assessment	As we continue to strengthen our program, we are investigating how to become a TSI testing site.
Benchmark 5 -Work Based Learning	Through our strategic alliances, our work-based learning experiences need to increase in variety and depth.

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.tekoacharterschool.org/apps/pages/index.jsp?uREC_ID=964484&type=d&pREC_ID=1395432

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

https://www.tekoacharterschool.org/apps/pages/index.jsp?uREC_ID=964484&type=d&pREC_ID=1395432

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

https://www.tekoacharterschool.org/apps/pages/index.jsp?uREC_ID=964484&type=d&pREC_ID=1395432

Benchmark 2 Products

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

https://www.tekoacharterschool.org/apps/pages/index.jsp?uREC_ID=964484&type=d&pREC_ID=1395445

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.tekoacharterschool.org/apps/pages/index.jsp?uREC_ID=964484&type=d&pREC_ID=1395445

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

https://www.tekoacharterschool.org/apps/pages/index.jsp?uREC_ID=964484&type=d&pREC_ID=1395445

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.tekoacharterschool.org/apps/pages/index.jsp?uREC_ID=964484&type=d&pREC_ID=1395445

Benchmark 3 Products

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

https://www.tekoacharterschool.org/apps/pages/index.jsp?uREC_ID=964484&type=d&pREC_ID=1395436

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

https://www.tekoacharterschool.org/apps/pages/index.jsp?uREC_ID=964484&type=d&pREC_ID=1395436

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

https://www.tekoacharterschool.org/apps/pages/index.jsp?uREC_ID=964484&type=d&pREC_ID=1395436

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.tekoacharterschool.org/apps/pages/index.jsp?uREC_ID=964484&type=d&pREC_ID=1395436

Benchmark 4 Products

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

https://www.tekoacharterschool.org/apps/pages/index.jsp?uREC_ID=964484&type=d&pREC_ID=1395441

Provide a link to the academy's master schedule.

https://www.tekoacharterschool.org/apps/pages/index.jsp?uREC_ID=964484&type=d&pREC_ID=1395441

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

https://www.tekoacharterschool.org/apps/pages/index.jsp?uREC_ID=964484&type=d&pREC_ID=1395441

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

https://www.tekoacharterschool.org/apps/pages/index.jsp?uREC_ID=964484&type=d&pREC_ID=1395441

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.tekoacharterschool.org/apps/pages/index.jsp?uREC_ID=964484&type=d&pREC_ID=1395441

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.tekoacharterschool.org/apps/pages/index.jsp?uREC_ID=964484&type=d&pREC_ID=1395449

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

https://www.tekoacharterschool.org/apps/pages/index.jsp?uREC_ID=964484&type=d&pREC_ID=1395449

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.tekoacharterschool.org/apps/pages/index.jsp?uREC_ID=964484&type=d&pREC_ID=1395449

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

https://www.tekoacharterschool.org/apps/pages/index.jsp?uREC_ID=964484&type=d&pREC_ID=1395449

Benchmark 6 Products

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

https://www.tekoacharterschool.org/apps/pages/index.jsp?uREC_ID=964484&type=d&pREC_ID=1395446

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

https://www.tekoacharterschool.org/apps/pages/index.jsp?uREC_ID=964484&type=d&pREC_ID=1395446

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

https://www.tekoacharterschool.org/apps/pages/index.jsp?uREC_ID=964484&type=d&pREC_ID=1395446