



KAREN WAGNER H S
P-TECH Renewal Application
2023-2024

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Background

District Affiliation

JUDSON ISD

CD #: 015916

Region: 20

Mailing Address (Line 1): 8012 SHIN OAK

Mailing Address (Line 2):

City, State, Zip: LIVE OAK, TX 78233

School Affiliation

KAREN WAGNER H S

CDC #: 015-916-008

Region:

Mailing Address (Line 1): 3000 N FOSTER RD

Mailing Address (Line 2):

City, State, Zip: SAN ANTONIO, TX 78244

Academy Information

What is the academy name?

Thunderbird STEM Academy

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

School-Within-School: Other Grade Levels - All students enrolled in grades 6-12 or grades 9-12 are enrolled in the academy but other grade levels exist on the campus (such as grades K-5)

Grade Levels Served

What grade level(s) will your academy plan to serve?

9
10
11
12

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

100

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

120

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

52

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

33

Contacts

Applicant

Applicant 1

Job Title

Stem Coordinator

Name Prefix

Ms.

First Name

Theresa

Last Name

Gregg

Email

tgregg@judsonisd.org

Phone

210-662-5000

Principal

Principal 1

Name Prefix

Ms.

First Name

Priscilla

Last Name

Alfaro

Email

palfaro@judsonisd.org

Phone

210-662-5000

Superintendent

Superintendent 1

Name Prefix

Dr.

First Name

Janette

Last Name

Ball

Email

jball@judsonisd.org

Phone

210-945-5100

Narratives

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, Recruitment and Enrollment

Degrees and Credentials

Select the Career Cluster(s) that your academy plans to offer.

STEM

Select the Career Cluster(s) that your academy plans to offer.

Biomedical Science

Engineering

Programming and Software Development

Which of the following credential(s) does the academy plan to offer students?

IC

What industry certifications does the academy plan to offer?

Item

Oracle Certified Associate (OCA), JAVA SE 8 Programmer (1Z0-808)

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

Recruitment and Enrollment

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

The aim of recruitment is to increase school enrollment; which is addressed by the P-TECH coordinator, P-TECH teachers, and current students by making visits (virtual and in-person) with middle schools to present informational sessions with the students. In addition to the visits, pamphlets, and pathways descriptions are distributed to show prospective students the opportunities within the Program. With the assistance of the middle school science, and math teachers, principals, and

counselors virtual and in-person presentations are offered to increase parent and student interest. Emails to all 8th-grade parents are made with the informational session dates and application links. The high school counseling department held virtual meetings (featuring P-TECH) with all the middle schools to discuss class choice and choosing academic pathways. District assistance is provided through the dissemination of information through videos and propaganda featuring P-TECH, its students, and the advanced academic learning opportunities,

Narratives: Strategic Partnerships: IHE, Strategic Partnerships: Business Partner, Business Partners: Hiring Priority

Strategic Partnerships: Business Partner

Business/Industry Partner 1

Affiliation/Company

Dee Howard Foundation

Job Title

Executive Director

Name Prefix

Mrs.

First Name

Christina

Last Name

Martinez

Email

cmartinez@deehoward.org

Phone

210.758.3435

Business/Industry Partner 2

Affiliation/Company

LandAero Group

Job Title

Owner/ Mechanical Engineer

Name Prefix

Mr.

First Name

Frank

Last Name

Garcia

Email

frank.garcia@landaero.com

Phone

210-858-3127

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 business partner will provide TSTEM students with learning opportunities in which teachers and worksite supervisors will monitor students to ensure safety. The parameters of this agreement will be a collaborative effort between the TSTEM program and industry partners during meetings in which both parties are present.

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.

The business partner will support STEM activities by attending P-TECH showcases, serving as judges on specific student contest panels, assisting in organizing job shadowing and field trips (virtual or in-person), and helping to identify guest speakers and internships.

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 business partner will provide P-TECH students with access to work-based learning through virtual facility tours and activities that will help them develop the STEM qualifications needed for the job market.

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

Judson ISD will be responsible for covering all transportation fees and costs.

Strategic Partnerships: IHE

The P-TECH shall have strategic partnerships with business and industry partners and IHEs that are formally articulated in writing and clearly define a variety of careers.

IHE Partner 1

Affiliation

St. Philips College

Name Prefix

Dr.

First Name

Adena

Last Name

Loston

Email

aloston@alamo.edu

Phone

210-486-2900

Job Title

President of St. Philip's College

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 St. Philip's College articulation agreement outlines dual credit courses as those in the Texas core curriculum, career, and technical education, and workforce courses that apply to any certificate or associate degree. Course Agreements are developed by the College and the School District for each dual credit course taught. The Course Agreements list the high school course that students will receive credit for upon completion of the college course. The College, School District, and School will ensure that the dual credit course and the corresponding high school course are equivalent

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 St. Philip's College articulation agreement stipulates that designees from the College's Office of High School Programs and the School will be responsible for working to develop and refine a clear and coherent academic course sequence. Staff from the College Student Success will provide students with academic advising on the chosen Alamo Institute and program of study. All dual credit courses will be transcribed immediately upon a student's completion of the performance required in the course. Students enrolled through the census date will have the courses recorded on their permanent student transcript. In addition, all students enrolled in high school dual credit programs, including P-TECH, have access to services similar to traditional college students who have graduated from high school.

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.

The St. Philip's College articulation agreement states that the School District will be responsible for providing student transportation as may be required to and from the College. In the case of discontinuation of operation, the School District will continue to pay transportation costs for students until they complete the program.

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 St. Philip's College articulation agreement indicates that the College and the School District agree to share data not available to the other to ensure data integrity as both entities use data for enrollment into courses, state reporting, financial matters, and other official business related to the high school dual credit program. The School will also ensure that a School Dual Credit representative works with its dual credit instructors to obtain all hiring materials and timelines; verify their rosters; meet grade posting deadlines, and communicate with students and parents regarding eligibility status, missing paperwork, and missing grades. The College will ensure that a College Dual Credit representative works collaboratively with the School Dual Credit representative in completing those responsibilities.

Business Partners: Hiring Priority

List the business partner(s) that have an agreement with the district that students completing the P-TECH program and otherwise meet hiring requirements have priority interviewing with the employer.

Business Partner

We do not have a priority interviewing agreement with our industry partner.

Business Partner

Narratives: Regional Workforce Alignment, Work-Based Learning

Work-Based Learning

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

9th Grade Activities

Junior Achievement: Finance Park

PLTW: Biomedical

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

10th Grade Activities

STEM Focused Guest Speakers

Robotics

Aeronautic design competitions

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

11th Grade Activities

SAWorks: Job Shadow

UIL Robotics Computer

Science Hammer Bowl

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

12th Grade Activities

Dee Howard Foundation Air Force Tour

Knight Aerospace Job Shadow

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

Engineering

Aerospace Manufacturing

Software development

Narratives: Advanced Academics

Advanced Academics

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

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?

Currently, Wagner P-TECH does not have a qualified science teacher to teach a dual-credit science course. The campus opted to address this challenge by offering dual enrollment via The University of Texas OnRamps (UTOR). UTOR provides courses in which students are enrolled in a high school course and also enrolled in a college course that is delivered via distance education and offered through the University Extension within the Texas Extended Campus. The college course is led by a credentialed college Instructor of Record. The college instructor is responsible for all college coursework, grading, and evaluation. The high school teacher is responsible for all high school coursework, grading, and evaluation. UTOR Physics I and UTOR Physics II are currently available to our P-TECH students.

Is the academy a TSIA testing site?

Yes

Narratives: 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
TSI Summer Bridge	Intensive 2 week support for helping students with meeting Texas Success Initiative Readiness Standards. This program helps with TSI/PSAT test preparation, students take the TSI at the conclusion of the program. This is imperative to the STEM blueprint so students are able to engage in a variety of dual credit courses early in their high school career
STEM Class	Students receive support from teachers based on the subject needed to pass on the TSI, the obtain PSAT preparation, engage in collaborative PBLs and are exposed to a variety of industry guest speakers
TSI Prep and tutoring	Teachers are available for tutoring services before and after school with special sessions on for College prep

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
Provide Advisory/Academic Support	Time is built into the program to provide academic support to students through the STEM Class. Students are able to build a solid foundation, focus on TSI and PSAT test preparation, design PBLs and build relationships through these classes with teachers acting as mentors. Additionally, TSTEM students are granted their own academic counselor who oversees their course selections and addresses any areas of concern. The counselor has built solid relationships with students to address their social emotional needs as they transition into the program and through graduation.
Community Volunteer	Students and parents provide service time to the community by participating in community church and feeder-school activities.

Activity
STEM Activities for
Students, Parents
and Families

Description
Students are able to participate in a wide variety of clubs, competitions, and organizations. The parents support through booster activities which allows students to become well vested members of this program and offer leadership opportunities as they develop.

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

We have used our access data to target specific student sub-populations for recruitment purposes. For example, based on our access data, we did not meet in the area of economic disadvantage and have increased our recruitment efforts at our economically disadvantaged feeder schools.

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
Student Support	Improve year to year retention.
Curriculum & Instruction and Assessment	Provide students Industry Certification opportunities
Strategic Alliances	Provide students with work-based opportunities

Narratives: Benchmark Products

Benchmark Products

On this page, you must provide a hyperlink to the location where your digital products corresponding to the product and activities that are required to be posted by the first day of serving students. Enter the hyperlink here. Hyperlinks must be entered with the fully qualified URL including "HTTP://" or "HTTPS://".

<https://www.judsonisd.org/Page/23183>

