2021-2023 P-TECH Planning and Implementation Grant

Competitive Grant Application: Due 11:59 p.m. CT, November 10, 2020

Texas Education Agency

NOGA ID

Application stamp-in date and time

TEA will only accept application documents by email, including competitive grant applications and amendments. Submit grant application and amendments as follows:

Competitive grant applications and amendments to competitivegrants@tea.texas.gov

Authorizing legislation: G.A.A., Article III, Rider 66, 86th Texas Legislature; TEC §§29.551-29.556 and §29.908

Grant period: From **02/15/2021** to **06/15/2023** **Pre-award costs:** **ARE NOT** permitted for this grant

Required attachments: Refer to the program guidelines for a description of the required attachments.

Amendment Number

Amendment number (For amendments only; enter N/A when completing this form to apply for grant funds): N/A

1. Applicant Information

Name of organization: Aldine Independent School District

Campus name: Carver High School CDN: 101902 Vendor ID: 74-6001110 ESC: 4 DUNS: 073898017

Address: 2520 W.W. Thorne Blvd. City: Houston ZIP: 77073 Phone: 281.985.1011

Primary Contact: Robert Thomas Email: rlthomas@aldineisd.org Phone: 281-985-7869

Secondary Contact: Stacey Smith Email: sasmith3@aldineisd.org Phone: 281-985-7554

2. Certification and Incorporation

I understand that this application constitutes an offer and, if accepted by TEA or renegotiated to acceptance, will form a binding agreement. I hereby certify that the information contained in this application is, to the best of my knowledge, correct and that the organization named above has authorized me as its representative to obligate this organization in a legally binding contractual agreement. I certify that any ensuing program and activity will be conducted in accordance and compliance with all applicable federal and state laws and regulations.

I further certify my acceptance of the requirements conveyed in the following portions of the grant application, as applicable, and that these documents are incorporated by reference as part of the grant application and Notice of Grant Award (NOGA):

- ☒ Grant application, guidelines, and instructions
- ☒ General Provisions and Assurances
- ☒ Application-Specific Provisions and Assurances
- ☒ Debarment and Suspension Certification
- ☒ Lobbying Certification
- ☒ ESSA Provisions and Assurances requirements

Authorized Official Name: Dr. Alford-Stephens Title: Chief Officer Email: tralford-stephens@aldineisd.org

Phone: 281-985-7333 Signature: Tamika Alford-Stephens Date: 11/10/2020

Grant Writer Name: Stacey Smith Signature: Stacey Smith Date: 11/10/20

◉ Grant writer **is** an employee of the applicant organization. ○ Grant writer is **not** an employee of the applicant organization.

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3. Shared Services Arrangements

Shared services arrangements (SSAs) **are not** permitted for this grant.

4. Identify/Address Needs

List up to three quantifiable needs, as identified in your needs assessment, that these program funds will address. Describe your plan for addressing each need.

Quantifiable Need	Plan for Addressing Need
This partnership seeks to increase post-secondary preparation, access, provide high quality educational opportunities. The population at G.W. Carver is currently 57% African American, 39 % Hispanic and approximately 78% Economically disadvantaged	Providing opportunities for G.W Carver P-TECH teachers and Higher Education and Workforce members to collaborate through planning and professional learning, career & skill development, identified career openings and identified post secondary degree programs. Provide students access to educational and career acquisition and attainment regardless of student circumstances.
To break the cycle of poverty in our school district and the Gulf Coast region two high need, high skill programs are being added are Surveying and Medical Imaging. Both leading to an Associates degree.	Implementing processes for collecting, sharing, and reviewing data to assess the progress of students and to plan for continuous improvement of program activities . The ability to obtain an Associates degree/up to 60 hours of tuition-free college credit as well as industry certifications, and a High School Diploma
The regional economy shows a need for entry level personnel in each area. The G.W. Carver P-TECH will allow students to graduate with an Associates degree, high school diploma and a workforce level certificate. Students will benefit from huge tuition savings.	Implementing the course of study was derived by input from the District's Advisory Council, CLNA data and detailed input from members of the Medical Imaging and Land Surveying societies and companies. The Gulf Coast labor data projects a 24% increase for surveyors and a 14% increase in the need for Imaging Technicians.

5. SMART Goal

Describe the summative SMART goal you have identified for this program (a goal that is Specific, Measurable, Achievable, Relevant, and Timely), either related to student outcome or consistent with the purpose of the grant.

The G.W. Carver P-TECH seeks to traditionally not graduated from post-secondary institutions within six years. The G.W. Carver P-TECH will Increase the number of students that are historically underrepresented in college (1st generation college goers, low socio-economic status, African American, Hispanic, Native American) and embarking upon high demand, high wage, high skilled careers. The G.W. Carver P-TECH will be designed to serve students' needs and to provide a multifaceted, multilevel educational experience.

6. Measurable Progress

Identify the benchmarks that you will use at the end of the first three grant quarters to measure progress toward meeting the process and implementation goals defined for the grant.

First-Quarter Benchmark

Benchmark 3: Strategic Alliances - The Aldine ISD and Lone Star College partnership will implement and meet the requirements based on the pathways to be offered to students. Additionally, the partnership will develop, sign and execute a memorandum of understanding that clearly define the roles and responsibilities of a strong partnership with business and/or industry partners.

Benchmark 2: Target Population - The Aldine ISD and Lone Star College partnership will serve, or include plans to scale up to serve, students in grades 9-14, and shall target and enroll students who are at risk of dropping out of school as defined by PEIMS and who might not otherwise go to college. A timeline for student recruitment, application process and family outreach will be developed and implemented.

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8. Measurable Progress (Cont.)

Second-Quarter Benchmark

Benchmark 1: School Design · The Aldine ISD and Lone Star College partnership will offer open-enrollment and flexible scheduling structures that enable students to combine high school, post-secondary courses and work-based learning, at no cost to participating students. (location, staffing, establishing leadership teams and meeting calendars, etc.) Benchmark 4: Curriculum, Instruction and Assessment ·The Aldine ISD and Lone Star College partnership will provide a rigorous course of study enabling participating students to receive a high school diploma, an associate degree, postsecondary certificate, Industry/Workforce Level I certification by Lone Star College during grades 9-14. (Identifying high-demand occupations, career pathways, assessment for measuring student progress to meet OBMs, data reviews, supports-academic, social, emotional, and work with partners to align curriculum between ISD, IHE and industry/business partners .)

Third-Quarter Benchmark

Benchmark 6: Student Supports ·The Aldine ISD and Lone Star College partnership will develop wrap-around strategies and services involving multiple stakeholders (parents, teachers, counselors, community members, etc.) to strengthen both the academic and technical skills necessary for high school and college readiness, as well as provide academic, technical, and individual support for students to be successful in rigorous academic and work-based learning experiences (Ex. Summer Bridge Program and access to OnRamps.)
Benchmark 5: Work-Based Learning - The Aldine ISD and Lone Star College partnership will offer participating students a variety of relevant, high-skill work-based learning experiences at every grade level that respond to student interest and regional employer needs and contribute to students earning aligned industry certifications and credentials. Adding work-based experience lessons in partnering with Industry and pacing guidelines.

7. Project Evaluation and Modification

Describe how you will use project evaluation data to determine when and how to modify your program. If your benchmarks or summative SMART goals do not show progress, describe how you will use evaluation data to modify your program for sustainability.

The Aldine ISD and Lone Star College partnership will utilize, develop, implement and evaluate the various cycles for continuous improvement. G.W. Carver P-TECH will submit quantitative targets for evaluative measures including enrollment, dual enrollment , attrition, attendance , high school and college graduation. Additionally, the outcomes-based measures from the Texas Education Agency, (performance targets listed in this proposal) will be monitored to assure student success and compliance. The partnership will establish a data sharing and collection agreement to monitor, support and track program performance against expected program outcomes. This will establish the school within a school model for the Carver PTECH Land Surveying and Medical Imaging programs.
Assessment and evaluative tools will include:
• Standardized test scores targeting math and language arts
• Individual student portfolios, AP scores, dual credit grades, course completions
• Student, parent and staff surveys
• Review of services provided to train staff and results based on product (student projects and standardized assessments) • Course sequences established and modified
• Individual student plans for graduation that include high school , associate degree, bachelor's degree (college counseling) • College acceptance rate-college acceptance postings per student
• Tracking/evaluating students : coursework completion, college course completions, internship completions, Senior project completions and college scholarship awards Work-based experiences
The partnership will work with the TEA technical assistance provider who will support and assist in the evaluation and monitoring of the P-TECH initiative. The partnership will not employ an independent evaluator. Additionally, the G.W. Carver P-TECH will use the expert resources available through the Educate Texas networking opportunities. This networking is both face/face, through regional CCRMS, summer summit and online
via Mobilize platform https:/ /texasccrm .mobilize.io/registrations/groups/17649

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8. Statutory/Program Assurances

The following assurances apply to this grant program. In order to meet the requirements of the grant, the grantee must comply with these assurances.

Check each of the following boxes to indicate your compliance.

☒ 1. The applicant provides assurance that program funds will supplement (increase the level of service), and not supplant (replace) state mandates, State Board of Education rules, and activities previously conducted with state or local funds. The applicant provides assurance that state or local funds may not be decreased or diverted for other purposes merely because of the availability of these funds. The applicant provides assurance that program services and activities to be funded from this grant will be supplementary to existing services and activities and will not be used for any services or activities required by state law, State Board of Education rules, or local policy.

☒ 2. The applicant provides assurance that the application does not contain any information that would be protected by the Family Educational Rights and Privacy Act (FERPA) from general release to the public.

☒ 3. P-TECH schools will provide participating students with flexibility in class scheduling and academic mentoring.

☒ 4. The P-TECH school will be open enrollment. Enrollment decisions will not be based on state assessment scores, discipline, history, teacher recommendations, minimum grade point average (GPA) or any other criteria that create barriers for student enrollment.

☒ 5. P-TECH schools will allow participating students to complete high school and, on or before the sixth anniversary of the date of the student's first day of high school: receive a high school diploma and an associate degree, a two-year postsecondary certificate or industry certification; and complete work-based education through an internship, apprenticeship, or other job training program.

☒ 6. P-TECH programs will be provided at no cost to participating students.

☒ 7. P-TECH schools will ensure that a student is entitled to the benefits of the Foundation School Program in proportion to the amount of time spent by the student on high school courses, in accordance with rules adopted by the commissioner, while completing the program/course of study established by the applicable IHE articulation agreement or Industry/Business Partner memorandum of understanding.

☒ 8. The P-TECH Campus will implement the design elements included with the 6 benchmarks of the P-TECH Blueprint and strive to fulfill the state standard for student success as measured by the outcomes-based measures.

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Statutory Requirements

1. P-TECH campuses must establish recruitment and enrollment processes and requirements that will not exclude or discourage the enrollment of any of the subpopulations of at-risk students, including, but not limited to, students who are of limited English proficiency or who have failed a state administered assessment. Describe the recruitment and enrollment plan. Include a general timeline and describe the specific activities planned to serve the target population.

G.W. Carver P-TECH will serve 100 students entering 9th grade for the 2022-2023 school year with plans to scale up by adding 2023-2024 and one grade level per year until Fall, 2024-2025 school year. The campus will enroll a new cohort of 100 each year. At capacity, G.W. Carver P-TECH will serve up to 400 students in grades 9-12. Enrollment at G.W. Carver P-TECH will be open to incoming 9th grade students. The campus has developed a comprehensive plan to recruit at-risk students (as identified in Benchmark 2)

The G.W. Carver P-TECH leadership team will recruit students by visiting surrounding middle schools, participating in Aldine ISD's High School Fairs and by attending middle school parent nights. G.W. Carver P•TECH will host a series of open houses and informational meetings for community members. A video marketing the four career paths with visuals of the actual duties performed, environmental and feedback from actual employees in their field will provide students and parents with a visual representation of the four career paths. Parents, students and community members will have the opportunity to learn about the G.W. Carver P-TECH program, pathways and extracurricular activities in a bilingual format to ensure effective communication with our stakeholders. The student surveyed identified four pathways are Surveying, Medical Imaging, Mechatronics and Interior Design.

General timeline:
Fall (October) 2020 - Survey completed for 8th grade feeder campuses
Spring (February) 2021- Recruitment & Marketing Plan developed for Campuses and Community
Fall (October) 2021- Application development
Spring (February) 2021- Application opens for selection of students
Spring(May) 2021 - Students selection for program completed
Fall(August) 2022 - Students enrolled begin program

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Statutory Requirements (Cont.)

2. P-TECH schools must provide for a TEA CTE program of study that enables a participating student in grade levels 9-12 to combine high school courses and postsecondary courses. Describe the course of study that the school is planning to offer and how it expands upon current offerings. Include how the course of study will enable a student to combine high school courses and postsecondary courses and identify crosswalks, sequences of courses, degrees/certificate/certifications earned, and work-based education that will be available to students at every grade level. Describe how the selected course of study will address regional workforce needs.

The program of study at G.W. Carver P-TECH in partnership with Lone Star College will provide a comprehensive, structured approach for delivering academic and career and technical education to prepare students for post-secondary education and career success. Below is an example of a program of study at G.W. Carver P-TECH that will enable students to enter the pathway in the Aldine ISD and Lone Star College operations and college and career work groups have developed a high demand career profile based on Texas Workforce Commission (TWC) labor market information, Top 25 Occupations by Help Wanted Postings Jan-Oct 201 8, US Dept of Ed, Office of Career Gulf Coast Workforce Region High-Skill, High-Growth Jobs, Technical and Adult Ed, Consolidated Annual Report (CAR) Perkins IV, Gulf Coast WDA Occupational Projections-income comparisons, Lone Star College - Programs of Studies, and PEIMS student demographics. Based on the results of the profile, the work groups selected Geo-spatial Engineering (Surveying) and Medical Imaging as the career focus pathways for the P-TECH to meet the needs of workforce in Gulf Coast area .
The G.W. Carver P-TECH academic plan includes a combination of courses listed in the THECB Lower Division Academic Course Guide Manuals and the college-level technical education courses in the Workforce Education Course Manual (WECM).

AAS Geo-spatial Engineering (Surveying)
Medical Imaging

9th - 12th grade students will take industry-based field trips, attend college and career fairs sponsored by corporate and industry partners, participate in job-shadowing opportunities, industry-based field experiences, hands-on workshops with work-based tools and resources, safety training, internship opportunities, and full-time employment after graduation.

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Statutory Requirements (Cont.)

3. P-TECH schools must enter into an articulation agreement with IHEs that are accredited by a national or regional accrediting agency recognized by the Texas Higher Education Coordinating Board in accordance with 19 Texas Administrative Code (TAC) §74.25. The articulation agreement must provide a participating student access to postsecondary educational and training opportunities at an IHE and must address all of the following items: curriculum alignment, instructional materials, instructional calendar, programs/courses of study, student enrollment and attendance, grading periods and policies, and administration of statewide assessments. Name the IHE and describe how the proposed program will meet the requirements for the partnership with the IHE.

The primary partnership between Aldine Independent School District and Lone Star College will be officially established by an Inter-local Agreement (MOU) that is approved and signed by both entities. This agreement is drafted to ensure G.W. Carver P-TECH and Lone Star College provide a rigorous course of study that incorporates students earning a high school diploma, certifications and/or up to 60 college credit hours or an associate degree. The partnership agreement between G.W. Carver P-TECH and Lone Star College includes the following:

- Collaboration in planning, implementation, and continuous improvement of the G.W. Carver P-TECH program including the provision for faculty, staff, and administration as well as curriculum development; training and student services
- Provision of rigorous college readiness curriculum, textbook requirement Texas Higher Ed Coordinating Board rules relating to list of aligned high school and college courses, dual credit and/or technical credit courses - all at no cost to the student or their families
- Financial collaboration that addresses costs of both partners and assists each in obtaining necessary funds from local, state, federal and private/foundation sources to operate the program successfully
- Shared use of facilities including classrooms, labs, offices and libraries that reduces operating costs and promotes collaboration of students, faculty, and/or staff in program success
- An established instructional calendar that is consistent with the mutual needs and requirements of both parties
- Recruitment, enrollment and retention

4. P-TECH schools must enter into a MOU with regional industry or business partners in Texas and must meet the following guidelines: provide 100% of participating students access to appropriate work-based education at every grade level, address regional workforce needs, the industry/business partner will give to a student who receives work-based training or education from the partner with a P-TECH first priority in interviewing for any jobs for which the student is qualified that are available on the student's completion of the program, and review the MOU at least every two years and update as necessary. Name the regional industry or business partner and describe how the proposed program will meet the requirements for the partnership with the industry/business partner.

- Gratia Geomatics LLC, 22928 Kuykendahl Rd. Suite B. Spring, TX 77389
- LJA Engineering, 3600 W Sam Houston Pkwy S Suite 600, Houston, TX 77042
- KCI, 801 Travis Street, Houston, TX 77002
- Houston Methodist Willowbrook Hospital, 18220 TX-249, Houston, TX 77070
- Harris Health System, 1615 N Main St, Houston, TX 77009
- Houston Memorial Hermann Hospital Northeast , 18951 N Memorial Dr, Humble, TX 77338

Industry partners will provide students in grades 9-12 with work-based training through internships, job shadowing, and employment upon graduation. MOUs will be developed with industry partners that will include agreements for students to experience real-world on the job training, paid internships, and preparation and priority in interviewing for available job opportunities upon graduation. Regular meetings and collaboration with industry partners will be ongoing to address any changes in job trends and opportunities for our P-TECH students.

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TEA Program Requirements

1. The grantee must have an established Leadership Design Team to complete the P-TECH Implementation Plan, prepare the campus to begin serving students in the P-TECH program, and provide leadership for the campus regarding P-TECH. Leadership Design Team members are outlined in the P-TECH Blueprint. Describe the current leadership team. Include a list of the individuals and their titles, along with how often the leadership team will meet, the dates of meetings that have already been held, any upcoming meetings, and agenda topics.

- Dr. Quentin Wright, President of Lone Star College Houston North
- Dr. Archie Blanson, President of Lone Star College-North Harris
- Dr. La Tonya M. Goffney, Superintendent of Aldine ISD
- Dr. Katie Roede, Chief of Schools, Aldine ISD
- Franklin Higgins, Director of Career and Technology Education, Aldine ISD
- Dr. Todd Davis, Chief Academic Officer, Aldine ISD
- Dr. Tamika Alford-Stephens, Chief Business and Operations Officer, Aldine ISD
- Danell Kite, Executive Director of Student Services, Aldine ISD
- Dr. Derrick Manns, VP Student Enrollment Management, Lone Star College-North Harris
- Dr. Laura Yannuzzi, Vice President of Instruction, Lone Star College-North Harris

Oct. ##-meeting with leadership team establish operations, college and career readiness, Oct. ##- Planning meeting for Magnet Festival and School Choice, Oct. ##- Weekly meeting, Oct. ##- Participate In Magnet School festival, Oct. ##-Meeting with Aldine leadership/Lone Star College to discuss pathways, Nov. ##-Debrief and discuss next steps, Nov. ##-Participate in School Choice Festival/Distributed information about G.W. Carver PTECH , Nov. ##-Established leadership, operation

2. The grantee must develop wrap-around strategies and services involving multiple stakeholders (parents, teachers, counselors, community members, etc.) to strengthen both the academic and social/emotional skills necessary for high school and college readiness, and to be successful in rigorous academic and work-based educational experiences. Describe the current wrap-around strategies and services the campus will offer, as well as the additional strategies and services that are planned to support P-TECH.

Through our collaboration and partnership with Lone Star College, students will have access to resources at the college and at their high school campus. Students will be Issued a Lone Star College student identification card and this will allow them to access the tutoring center, college library, college advisors, Communities in Schools social worker, and counseling. Flexible scheduling will allow students to have time in their schedule to access these services. Campus administrators will work with the Career & Technical Education Department and industry partners to schedule students for work-based learning experiences. Additionally. students will have access to tutoring at their high school campus. A social worker will be assigned to their high school campus and students will have access to a full-time counselor on campus to address their social-emotional and academic needs. Campus administrators will monitor students grades, attendance, and test scores to identify students who may need additional support. Students will be provided tutoring for college entrance exams and student clubs and organizations will offer students an opportunity to build leadership skills as well as enhance their intellectual capabilities. Community Youth Service workers through Harris County will provide additional resources for basic needs or other social, mental and emotional services. Students will be expected and provided an opportunity to participate in community service activities. We currently partner with local non-profit agencies that provide training and resources for parents and basic needs for families in the community.

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CDN 101902 Vendor ID 74-6001110 Amendment # N/A

Request for Grant Funds

List all of the allowable grant-related activities for which you are requesting grant funds. Include the amounts budgeted for each activity. Group similar activities and costs together under the appropriate heading. During negotiation, you will be required to budget your planned expenditures on a separate attachment provided by TEA.

Payroll Costs		
1.	Stipend/Program Coordinator	$100,000
2.		
3.		
4.		
5.		
Professional and Contracted Services		
6.	Contracted services for Curriculum Development	$24,000
7.	Professional Development	$20,000
8.		
9.		
10.		
Supplies and Materials		
11.	Software/Curriculum	$10,000
12.		
13.		
14.		
Other Operating Costs		
15.	Marketing and Planning	$8,000
16.		
17.		
Capital Outlay		
18.	Land Surveying Eqiupment	$10,000
19.	Medical Imaging Equipment	$10,000
20.		

Direct and indirect administrative costs: $6,928

TOTAL GRANT AWARD REQUESTED: $188,928

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Appendix I: Negotiation and Amendments

Leave this section blank when completing the initial application for funding.

An amendment must be submitted when the program plan or budget is altered for the reasons described in the "When to Amend the Application" document posted on the Administering a Grant page of the TEA website and may be mailed OR faxed (not both). **To fax:** one copy of all sections pertinent to the amendment (including budget attachments), along with a completed and signed page 1, to either (512) 463-9811 or (512) 463-9564. **To mail:** three copies of all sections pertinent to the amendment (including budget attachments), along with a completed and signed page 1, to the address on page 1. More detailed amendment instructions can be found on the last page of the budget template.

You may duplicate this page.

For amendments, choose the section you wish to amend from the drop down menu on the left. In the text box on the right, describe the changes you are making and the reason for them.

Always work with the most recent negotiated or amended application. If you are requesting a revised budget, please include the budget attachments with your amendment.

Section Being Negotiated or Amended	Negotiated Change or Amendment

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