



Waxahachie Global High School
T-STEM Renewal Application
2018-2019

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Background

District Affiliation

WAXAHACHIE ISD

DC #: 070912

Region: 10

Mailing Address (Line 1): 411 N GIBSON ST

Mailing Address (Line 2):

City, State, Zip: WAXAHACHIE, TX 75165

School Affiliation

WAXAHACHIE GLOBAL H S

CDC #: 070-912-004

Region:

Mailing Address (Line 1): 602 SECOND ST

Mailing Address (Line 2):

City, State, Zip: WAXAHACHIE, TX 75165

Academy Information

T-STEM Academy Name:

Waxahachie Global High School

What grade level range will your academy serve in the 2018-2019 school year?

9-12

Grade Level	Number of Students
9	100
10	100
11	108
12	118

Contacts

Business Partner

Affiliation: Delta Machine Co.
Job Title: Owner
Full Name: Mr. Scott Reese
Email: sreese@deltamachineco.com
Phone Number: 972-617-7746

Superintendent

Job Title: Superintendent
Full Name: Dr. Jeremy Glenn
Email: jglenn@wisd.org
Phone Number: 972-923-4631

Applicant

Job Title: Principal
Full Name: Mr. Ken Lynch
Email: klynch@wisd.org
Phone Number: 972-923-4761

IHE Liaison

Affiliation: Navarro College
Job Title: Academic Dean of Ellis County
Full Name: Mrs. Terry Gibson
Email: terry.gibson@navarrocollege.edu
Phone Number: 972-923-6406

IHE Liaison

Affiliation: University Of Texas at Tyler UTT
Job Title: UT Tyler Dual Credit Coordinator for PACE Program
Full Name: Ms. Katy Buerger
Email: kbuerger@uttyler.edu
Phone Number: 903-566-7295

Narratives

Model Implementation

Which T-STEM model does the district intend to implement at this time? Within these models, there are variations. For this purpose campus is defined as a CDC number not a physical location.

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

Endorsements

Identify the current endorsements that are offered:

- Science, Technology, Engineering, and Mathematics (STEM)
- Business and Industry
- Multi-disciplinary Studies

Industry Certificates

Identify all industry certificates offered to students.

Certificate	Description
Word	Microsoft
Excel	Microsoft
Quickbooks	Accounting
Pharmacy Technician	Tech certificate

Level One Certificates

Identify all level one certificates offered to students.

Certification	Description
Accounting Clerk I	15 Hrs of Accounting from Navarro College
Cosmetology	15 Hrs, from Navarro College
Production Welder	15 Hrs. from Navarro College

Level Two Certificates

Identify all level two certificates offered to students.

Certification	Description
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Key Elements for Success

Provide a link to the job description, roles of design team, leadership team, and advisory board.

<http://global.wisd.org/>

Provide a link to your mission statement.

http://global.wisd.org/apps/pages/index.jsp?uREC_ID=1092753&type=d&pREC_ID=1377696

Provide a link to the final, signed, and executed MOU.

http://global.wisd.org/apps/pages/index.jsp?uREC_ID=1092753&type=d&pREC_ID=1406401

Provide a link to the academy's master schedules.

http://global.wisd.org/apps/pages/index.jsp?uREC_ID=1092753&type=d&pREC_ID=1406409

Provide a link to the academy's Student IGPs with CCRS and Performance Acknowledgement Plans.

http://global.wisd.org/apps/pages/index.jsp?uREC_ID=1092753&type=d&pREC_ID=1406605

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

https://docs.google.com/forms/d/e/1FAIpQLScAAAkvjq_MdwnAnOCceagQyjxtpReNu0MaoDZ-PT4PsXmlkw/viewform

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

http://global.wisd.org/apps/pages/index.jsp?uREC_ID=1092753&type=d&pREC_ID=1406398

Provide a link to the academy's description of instruction practices.

http://global.wisd.org/apps/pages/index.jsp?uREC_ID=1092753&type=d&pREC_ID=1406608

Provide a link to the academy's STEM-focused extracurricular activities.

http://global.wisd.org/apps/pages/index.jsp?uREC_ID=1092753&type=d&pREC_ID=1406609

Provide a link to the academy's internship and externship opportunities.

http://global.wisd.org/apps/pages/index.jsp?uREC_ID=1092753&type=d&pREC_ID=1406611

Provide a link to the academy's Senior Capstone Project description.

http://global.wisd.org/apps/pages/index.jsp?uREC_ID=1092753&type=d&pREC_ID=1406616

Provide a link to the academy's Student Portfolio Plans.

http://global.wisd.org/apps/pages/index.jsp?uREC_ID=1092753&type=d&pREC_ID=1406621

Provide a link to the academy's Academic Literacy Plan.

http://global.wisd.org/apps/pages/index.jsp?uREC_ID=1092753&type=d&pREC_ID=1406626

Provide a link to the academy's Assessment strategy.

http://global.wisd.org/apps/pages/index.jsp?uREC_ID=1092753&type=d&pREC_ID=1406629

Free-Response

Describe how the Academy will recruit, support, and retain highly qualified teachers.

Global High School has a strong reputation in the Ellis County area. We have developed a bonding culture with the staff, students, and parents. The district of Waxahachie also has a reputation for being a great place to work. We do not have a problem retaining instructors. We believe in treating people the way we would like to be treated. As the principal of the campus, I work to provide an adequate space, and any materials needed to be successful. We still have one teacher from the original staff from ten years ago. we have three teachers who have been here eight or more years. The key is the culture of the building. It is a very family atmosphere. People want to come to Waxahachie, and even more so to Global High School. When we do have an opening we often get well over one hundred applicants for each position.

Describe the current STEM pathways available at the academy.

STEM Endorsement Clusters

The Science, Technology, Engineering, and Mathematics (STEM) Career Cluster focuses on planning, managing, and providing scientific research and professional and technical services, including laboratory and testing services, and research and development services.

Course # Course Grade

Level Credit

17572 Introduction to Engineering Design (PLTW) 9 1

17570 Engineering Science (PLTW) – Earns science credit and counts in GPA 11-12 1

16330 CCE Engineering Science (PLTW) - College Credit Eligible 11-12

1

17557 AC/DC Electronics 10-12

1

17559 Robotics I 10-12 1

17575 Civil Engineering (PLTW) 10-12 1

17576 Computer Integrated Manufacturing (PLTW) 10-12 1

17573 Aerospace Engineering (PLTW) 10-12 1

17577 Engineering Design and Development (PLTW) - Capstone 12 1

Describe how strategic alliances with industry partners and IHEs will support the Academy. The description should include details regarding the role of each IHE, business, and/or community partnership; along with parent/family partnerships and communication conventions with the Academy.

We have partnerships with two IHE's. Our first and main partnership is with Navarro College. Our students earn their associate's degree from Navarro. Our second partnership is with the University of Texas at Tyler. we have worked with Navarro for the last ten years. Our students can either earn a Level One Certificate or hours at Navarro College. The majority of our students are completers. they earn an associates degree one week before graduating from high school.

UTT was originally our PLTW partner. We approached them about using them for our science and math classes. this would allow students to have university hour on their transcripts. Both of these partnerships have been beneficial to the IHE's. We count as completers for Navarro, and UTT gets an ever-growing number of our students back to that campus when they leave here.

Describe the Academy's work-based and contextual learning in the curriculum.

Our teachers use Project Based Learning within their classes. We try to incorporate as many projects as we can. teachers will often work with teachers in other fields to build a project. We also offer certificates and Level One Certificate programs for students who choose that option. All of our seniors take a capstone class, and most also are in Community Service. this way they can take advantage of an internship or volunteer service.

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

We have a few activities that are repeated every year such as our visit to the water treatment plant. The trip to Americase to see industry based manufacturing, or to the park department. We also offer TSA, Vex, and First Robotics, TSA allows for many opportunities for competition. Our students compete in everything from bridge building to dress design.