Texas Education Agency

SNYDER H S

T-STEM Renewal Application

2020-2021

Contents

Background

District Affiliation

SNYDER ISD

CD #: 208902
Region: 14
Mailing Address (Line 1): 2901 37TH ST
Mailing Address (Line 2):
City, State, Zip: SNYDER, TX 79549

School Affiliation

SNYDER H S

CDC #: 208-902-001
Region:
Mailing Address (Line 1): 2901 37TH ST
Mailing Address (Line 2):
City, State, Zip: SNYDER, TX 79549

Academy Information

What is the academy name?

Snyder High School TSTEM Academy

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

School-Within-School (SWS) - A subset of students on the campus are enrolled in grades 9-12 are enrolled in the academy.

Grade Levels Served

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

11
12

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

54

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

27

Contacts

Applicant

Applicant 1

Job Title

STEM District Coordinator

Name Prefix

Mr.

First Name

Ryan

Last Name

Maney

Email

rmaney@snyderisd.net

Phone

325-574-8900

Principal

Principal 1

Name Prefix

Mrs.

First Name

Janell

Last Name

Martin

Email

jmartin@snyderisd.net

Phone

325-574-8800

Superintendent

Superintendent 1

Name Prefix

Dr.

First Name

Eddie

Last Name

Bland

Email

ebland@snyderisd.net

Phone

325-574-8900

Narratives

Current Designations at SNYDER ISD:

- SNYDER H S - P-TECH - 1819
- SNYDER H S - T-STEM - 1516

Previous Planning Year Applications at SNYDER ISD:

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.

Information Technology
STEM

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

Networking Systems

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

Programming and Software Development

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

AD
IC

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

Item

Automotive Technology

What industry certifications does the academy plan to offer?

Item

Cisco Certified Entry Networking Technician (CCENT)

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

Western Texas College

Name Prefix

Dr.

First Name

Barbara

Last Name

Beebe

Email

bbeebe@wtc.edu

Phone

325-574-6501

Job Title

President

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.

STEM Endorsement options (all must include Physics or Principles of Technology and Algebra II): Scientific Investigations (five courses in science including Physics/POT and one of the following: Dual Credit Biology, A & P Dual Credit, Scientific Research & Design, or Principles of Engineering) Mathematics & Applications (five courses in science including Algebra II and dual credit College Algebra or dual credit Calculus) Computer Science & Technology (four courses in Computer Science with the fourth course being dual credit computer programming) Energy (four CTE courses in Energy under the Agriculture & Natural Resources Pathway with dual credit certificate in welding and/or

completion of OnRamps course) Public Service Endorsement options: Healthcare Science (coherent sequence of courses which must include at least 6 hours of dual credit in CTE courses or dual credit biology or dual credit A&P) Business & Industry Endorsement options: Architecture & Construction (coherent sequence of courses which must include at least 6 hours of dual credit in CTE courses and/or completion of OnRamps course) Manufacturing (coherent sequence of courses which must include at least 6 hours of dual credit in CTE courses), Energy (coherent sequence of courses which must include at least 6 hours of dual credit in CTE courses and/or completion of OnRamps course), Automotive Technology (coherent sequence of courses which include TSTC embedded dual credit), Agriculture & Natural Resources (coherent sequence of courses which must include at least 6 hours of dual credit in CTE courses and/or completion of OnRamps course)

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 embedded academic coordinator at Snyder High School works in collaboration with the counseling staff at WTC to ensure that students are obtaining dual credit in a coherent sequence of courses as well as educating students on how credit hours can be transferred to other higher education institutions. Students receive academic counseling as to the options available both at the 2-yr college and 4-yr university level with their current college coursework and work-based learning interests.

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.

Snyder ISD provides transportation when required to Western Texas College as they are in Snyder as well. At this time all dual credit courses at taught at the high school campus either through embedded instructors or online courses.

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 Snyder High School Academic Coordinator collaborates with Western Texas College counseling and admissions staff to ensure that student and teacher data is accessible for all students. Students are provided regular checks on grades and GPA both at the high school and college level.

Strategic Partnerships: Business Partner

Business/Industry Partner 1

Affiliation/Company

Development Corporation of Snyder

Job Title

Director

Name Prefix

Mrs.

First Name

Brooke

Last Name

Proctor

Email

brooke@growsnyder.com

Phone

(325) 573-1544

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 agreement with the Development Corporation of Snyder (DCOS) provides our students access to a variety of job shadows, internships, and apprenticeships in the local workforce community. The articulation agreement defines the roles of both student interns and worksite supervisors with an option for students to receive priority interviews/hiring status upon successful completion of an internship.

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 current agreement allows for students to present at DCOS monthly meetings regarding their progress and learning as it relates to future career endeavors.

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 articulation agreement provides opportunities for students to participate in job shadows with local

organizations and businesses. As students progress to the upper-grade levels, the agreement with DCOS helps Snyder High School establish internships for students through the partnership between DCOS and local businesses in the identified high-need career fields as indicated through workforce data.

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

Snyder High School will provide and pay for all transportation fees and costs.

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
Renewable Energy
Information Technology

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 11th grade students.

11th Grade Activities
Job Shadows, Internships, Career Guest Speakers, Industry Certification (FAA 107)

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

12th Grade Activities

Job Shadows, Internships, Career Guest Speakers, Industry Certification (FAA 107)

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?

Our location in rural West Texas makes it challenging to recruit and obtain highly effective teachers with the necessary credentials. However, we have received grant funding from state organizations in which we are training and developing our own highly qualified teachers for dual credit courses.

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 plants	Students will have designated counseling staff for priority scheduling and academic support
Success Coach	Students will have embedded success coaches to assist with the executive functioning required for successful dual credit completion
Tutorials	Designed tutorial time will be provided for students in danger of failing dual-credit courses

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
Parent Outreach	Regular meetings will be scheduled to educate parents on academics, financial aid, and scheduling
Community Service	Community service hours will be available through STEM community events

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

Students will be given priority scheduling, which will allow them to be matched and scheduled with highly effective teachers. These teachers will be determined from TTESS and assessment performance data. A director of equity has been hired by our district to support the access of these programs for all students and lower any barriers that exist including language. While enrolled in TSTEM courses, elective and CTE teachers use formative assessments aligned with IC requirements to ensure that all students are on track for passing and receiving an industry certification.

STEM-Focused Extracurriculars

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

The Drone Racing club is offered to students who successfully pass their FAA 107 exam. Students may also participate in STEM events such as biomolecular modeling. In all courses, students complete authentic project-based learning opportunities that directly relate to the content of that course as well as the career implications and skills embedded in these authentic experiences. As part of our Computer

Science pathways, students will have access to Computer Science UIL Events.

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
4: Industry Certification	Successful completion and receiving of IC will improve to 85% of students who test
6: Student Support	With addition of Director of Inclusion and Academic Coordinator, we will increase family support for academic courses.
5: Work Based Learning	Through embedded computer science teacher and IT Pathway, we will provide job shadow and internship opportunities for 12th grade students.

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://sites.google.com/snyderisd.net/ptech/home

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

https://sites.google.com/snyderisd.net/ptech/home

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

https://sites.google.com/snyderisd.net/ptech/home

Benchmark 2 Products

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

https://sites.google.com/snyderisd.net/ptech/home

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://sites.google.com/snyderisd.net/ptech/home

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

https://sites.google.com/snyderisd.net/ptech/home

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://sites.google.com/snyderisd.net/ptech/home

Benchmark 3 Products

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

https://sites.google.com/snyderisd.net/ptech/home

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

https://sites.google.com/snyderisd.net/ptech/home

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

https://sites.google.com/snyderisd.net/ptech/home

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://sites.google.com/snyderisd.net/ptech/home

Benchmark 4 Products

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

https://sites.google.com/snyderisd.net/ptech/home

Provide a link to the academy's master schedule.

https://sites.google.com/snyderisd.net/ptech/home

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

https://sites.google.com/snyderisd.net/ptech/home

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

https://sites.google.com/snyderisd.net/ptech/home

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://sites.google.com/snyderisd.net/ptech/home

Benchmark 5 Products

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

https://sites.google.com/snyderisd.net/ptech/home

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

https://sites.google.com/snyderisd.net/ptech/home

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://sites.google.com/snyderisd.net/ptech/home

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

https://sites.google.com/snyderisd.net/ptech/home

Benchmark 6 Products

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

https://sites.google.com/snyderisd.net/ptech/home

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

https://sites.google.com/snyderisd.net/ptech/home

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

https://sites.google.com/snyderisd.net/ptech/home