



HARMONY SCHOOL OF INNOVATION - BROWNSVILLE

T-STEM Renewal Application

2020-2021

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Background

District Affiliation

HARMONY SCIENCE ACAD (SAN ANTONIO)

CD #: 015828

Region: 20

Mailing Address (Line 1): 9321 W SAM HOUSTON PKWY S

Mailing Address (Line 2):

City, State, Zip: HOUSTON, TX 77099

School Affiliation

HARMONY SCHOOL OF INNOVATION - BROWNSVILLE

CDC #: 015-828-007

Region:

Mailing Address (Line 1): 9321 W SAM HOUSTON PKWY S

Mailing Address (Line 2):

City, State, Zip: HOUSTON, TX 77099

Academy Information

What is the academy name?

HARMONY SCHOOL OF INNOVATION - BROWNSVILLE

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 2020-2021 school year?

6

7

8

9

10

11

12

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

75

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

75

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

100

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.

75

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

60

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

45

Contacts

Applicant

Applicant 1

Job Title

Principal

Name Prefix

Mr.

First Name

Maksatmyrat

Last Name

Altiyev

Email

maltiyev@harmonytx.org

Phone

956-544-1348

Principal

Principal 1

Name Prefix

Mr.

First Name

Maksatmyrat

Last Name

Altiyev

Email

maltiyev@harmonytx.org

Phone

956-544-1348

Superintendent

Superintendent 1

Name Prefix

Mr.

First Name

Bilgehan

Last Name

Yasar

Email

byasar@harmonytx.org

Phone

210-267-9954

Narratives

Current Designations at HARMONY SCIENCE ACAD (SAN ANTONIO):

- HARMONY SCIENCE ACAD (SAN ANTONIO) - T-STEM - 0809
- HARMONY SCHOOL OF INNOVATION - BROWNSVILLE - T-STEM - 1314
- HARMONY SCHOOL OF EXCELLENCE - LAREDO - T-STEM - 1415

Previous Planning Year Applications at HARMONY SCIENCE ACAD (SAN ANTONIO):

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.

Arts AV Tech & Communication
Law & Public Service
STEM

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

Graphic Design and Multimedia Arts

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

Law Enforcement

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

Biomedical Science
Engineering

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

IC

What industry certifications does the academy plan to offer?

Item

Certified EKG/ECG Technician

Google Cloud Certified Professional- G Suite

Adobe Certified Associate (ACA) - Photoshop (Visual Design using Adobe Photoshop)

Non-Commissioned Security Officer Level II

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

Texas Southmost College

Name Prefix

Ms.

First Name

Sarahi

Last Name

Barrera

Email

sarai.barrera@tsc.edu

Phone

956-295-3533

Job Title

ECHS Liaison

IHE Partner 2

Affiliation

University of Texas at Rio Grande Valley

Name Prefix

Mr.

First Name

Michael

Last Name

Aldape

Email

michaelaldape@utrgv.edu

Phone

956-882-8960

Job Title

Director of Special Program - Dual Credit

IHE Partner 3

Affiliation

Lone Star College

Name Prefix

Ms.

First Name

Dena

Last Name

Stuttz

Email

Dena.C.Stuttz@lonestar.edu

Phone

281.655.3704

Job Title

Instruction Manager

IHE Partner 4

Affiliation

UT-Austin OnRamps

Name Prefix

Mr.

First Name

Kyle

Last Name

Seipp

Email

kyle.seipp@austin.utexas.edu

Phone

512-232-6658

Job Title

Liaison

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.

The MOU agreement addresses dual credit as courses where "high school students enroll in a college course and receive simultaneous academic credit . . . for both college and the high school." The MOU with IHEs designates the eligible courses that will be considered for dual credit with Harmony School of Innovation - Brownsville (HSI-B) based on the Core Curriculum courses offered by IHE. These courses serve in conjunction with the Distinguished Achievement Program Diploma of HSI - Brownsville with the goal of completing 42 credits transferable to a 4-year college. The agreement addresses the support and collaboration between the IHE and HSI- Brownsville in developing appropriate course sequencing and selection. In a collaborative effort, IHE representatives, campus counselors and professors will develop a dual credit syllabus for each course to satisfy the requirements of each institute.

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

All courses that serve as dual credit are transferable to our regional colleges; transferability of dual credits is explained to students and parents during Dual Credit Presentations and Individual Graduation Plan meetings with academic counselors. The Dual Credit Coordinator Designee works in conjunction with IHE representatives during the semester to monitor and apply credits earned for all dual enrollment students. Dual Credit Coordinator Designee collaborates with professors on updating and finalizing grades for final semester grades. Students have access to all support facilities on the college campus such as computer labs, writing labs, tutorial services and any other resources needed to successfully complete dual credit courses.

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 articulation agreement for transportation cost and fees lie within HSI-Brownsville or individual

student. If a student is driving their own vehicle to campus the student will be subject to college parking rules and transportation rules as set.

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

HSI - Brownsville collaborates with IHE in establishing and addressing requirements and enrollment guidelines of the IHE. Student data is not shared by IHE until a release of information agreement is signed by students and parents as per the Family Educational Rights and Privacy Act, 20 U.S.C. 1232g by 34 C.F.R. par 99 ("FERPA"). HSI-B and IHE ensure that all information from student data is exclusively for official business pertaining to dual credit programs.

Strategic Partnerships: Business Partner

Business/Industry Partner 1

Affiliation/Company

PESA Industries

Job Title

President

Name Prefix

Mrs.

First Name

Mary

Last Name

Scott

Email

infor@pesaindsupply.com

Phone

956-544-3323

Business/Industry Partner 2

Affiliation/Company

Westlake Family Dentistry

Job Title

Manager

Name Prefix

Ms.

First Name

Dennise

Last Name

Villanueva

Email

info@westfamilydentistry.net

Phone

(956) 446-0225

Business/Industry Partner 3

Affiliation/Company

Tex-Us Substation Services

Job Title

President of Tex-US Substation Services

Name Prefix

Mr.

First Name

Arturo

Last Name

Galvez

Email

none

Phone

(956) 280-1577

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.

Each business partner has a representative that acts as our contact to communicate with our outreach coordinator and engagement coordinator. These representatives will be communicating opportunities that they can offer for presentations, field trips and work-based learning opportunities.

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.

PESA Labeling Systems' MOU as a business/community partner allows the partner to support our campus with donations, participates in Career/STEM festivals and fairs, offers internships, participate on our campus advisory board, etc. Westlake Family Dentistry's MOU as a business/community partner allows the partner to support the with donations, participation at the school's Career/STEM Festival Fairs, offers internships, participate on our campus advisory board, etc. Behavioral Health Solutions of South Texas' MOU as a business/community partner allows the partner to support our campus with student educational assemblies, participate at the school's Career/STEM festival and fairs, offer internships, participate on our campus advisory board, etc. Tex-Us Substation Services' MOU as a business/community partner allows the partner to support our campus with donations, participate at the school's Career/STEM festival and fairs, offer internships, and participate on our campus advisory board, etc. Chino's Barbershop's MOU as a business/community partner allows the partner to support our campus with donations, participate at the school's Career/STEM festival and fairs, offer internships, and participate on our campus advisory board, etc.

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.

Business partners assist the school with learning and educational opportunities for students through presentations, participation at career fairs, job shadowing, science fairs, or by sharing information or providing any internship opportunities.

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

There is no transportation fee and cost.

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

Medical Field

Computer Science

Engineering
Regional High-Demand Occupation

Law Enforcement

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

Career and College Fair/Science/Math Olympiad

Nepris Industry Chats/Academic UIL

Science Fair Multiple Categories

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

7th Grade Activities

Career and College Fair/ Science/Math Olympiad

Nepris Industry Chats/Academic UIL

Science Fair Multiple Categories

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

8th Grade Activities

Career Pathway Presentations

Nepris Industry Chats/Academic UIL

Science Fair Multiple Categories/Science/Math Olympiad

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

9th Grade Activities

Nepris Industry Chats/Academic UIL

Career Panels

Stakeholders Classroom Presentations/College Career Fair

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

10th Grade Activities

Nepris Industry Chats/Academic UIL

Career Panels

Stakeholders Classroom Presentations/College Career Fair

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

11th Grade Activities

Nepris Industry Chats/ Academic UIL

STEM Festival & CTE Presentations

College and Career Fair

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

12th Grade Activities

Capstone Job Interviews

Higher Education Presentations

Industry Certifications

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
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?

The challenge at this time is being able to provide additional dual credit courses with a small number of qualified teachers. HSI-Brownsville strives to recruit highly qualified teachers. The school holds a job fair every year to create an application pool of highly qualified candidates. Candidates are asked to submit an application through the school's website application portal. Afterward, candidates are asked to take a Gallup survey that will determine whether they are potential or potential candidates. Our school provides multiple professional growth and development support opportunities for teachers. HSI-Brownsville is committed to supporting teachers through a series of professional development activities offered locally or through Region One. Teachers are offered opportunities for educational growth through our HEEP program that provides financial support to earn a master's degree in any educational program each teacher is also compensated with a stipend for earning an advanced degree. Our district also has a mentoring program to assist new teachers, both mentors and mentees participate in Professional Learning Communities (PLCs) throughout the year to learn coaching and teaching strategies. The mentoring program pairs new teachers with experienced teachers. Harmony teachers given the opportunity to earn micro-credentials through custom-developed Harmony-Bloomboard micro-credentials to help them grow and demonstrate mastery at their own pace. In an effort to attract dual credit teachers, the district provides an additional stipend for teaching dual enrollment courses.

Is the academy a TSIA testing site?

Yes

Narratives: Student Support, STEM-Focused Extracurriculars

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
Individualized Graduation Plan	Student will meet with academic counselor and parent to discuss course selection.

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 Teacher Organization	An organization of that assist in the school culture and environment by assisting teacher in school project.
Voly	Creates opportunities for parents to signed for volunteer for activities and events. It also tracks community hours for student and parents.
Community Service Opportunity list	Academic counselors informed every student in their Individualized Graduation Program on opportunities to help community.
College and Career Readiness Course	Course is to provide guidance and assistance for college applications. Assist student in scholarship as well life skills such financial literacy skills.

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

STEM-Focused Extracurriculars

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

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

Narratives: Benchmark Products,
Benchmark 1 Products, Benchmark 2
Products, Benchmark 3 Products,
Benchmark 4 Products, Benchmark 5
Products, Benchmark 6 Products

Benchmark Products

Benchmark 1 Products

Provide a link to the academy's mentor/induction program plans.

<https://hsibrownsville.harmonytx.org/tstem>

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

<https://hsibrownsville.harmonytx.org/tstem>

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

<https://hsibrownsville.harmonytx.org/tstem>

Benchmark 2 Products

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

<https://hsibrownsville.harmonytx.org/tstem>

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://hsibrownsville.harmonytx.org/tstem>

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

<https://hsibrownsville.harmonytx.org/tstem>

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://hsibrownsville.harmonytx.org/tstem>

Benchmark 3 Products

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

<https://hsibrownsville.harmonytx.org/tstem>

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

<https://hsibrownsville.harmonytx.org/tstem>

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

<https://hsibrownsville.harmonytx.org/tstem>

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://hsibrownsville.harmonytx.org/tstem>

Benchmark 4 Products

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

<https://hsibrownsville.harmonytx.org/tstem>

Provide a link to the academy's master schedule.

<https://hsibrownsville.harmonytx.org/tstem>

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

<https://hsibrownsville.harmonytx.org/tstem>

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

<https://hsibrownsville.harmonytx.org/tstem>

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://hsibrownsville.harmonytx.org/tstem>

Benchmark 5 Products

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

<https://hsibrownsville.harmonytx.org/tstem>

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

<https://hsibrownsville.harmonytx.org/tstem>

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://hsibrownsville.harmonytx.org/tstem>

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

<https://hsibrownsville.harmonytx.org/tstem>

Benchmark 6 Products

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

<https://hsibrownsville.harmonytx.org/tstem>

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

<https://hsibrownsville.harmonytx.org/tstem>

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

<https://hsibrownsville.harmonytx.org/tstem>
