Texas Education Agency

HARMONY SCHOOL OF EXCELLENCE - DALLAS

T-STEM Renewal Application

2021-2022

Contents

Background

District Affiliation

HARMONY SCIENCE ACAD (WACO)

CD #: 161807
Region: 12
Mailing Address (Line 1): 9321 W SAM HOUSTON PKWAY S
Mailing Address (Line 2):
City, State, Zip: HOUSTON, TX 77099

School Affiliation

HARMONY SCHOOL OF EXCELLENCE - DALLAS

CDC #: 161-807-010
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 Excellence - Dallas

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 2021-2022 school year?

6

7

8

9

10

11

12

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

78

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

100

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

96

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

80

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

66

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

64

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

55

Contacts

Applicant

Applicant 1

Job Title

Principal

Name Prefix

Dr.

First Name

Ilker

Last Name

Fidan

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Phone

9722961000

Principal

Principal 1

Name Prefix

Dr.

First Name

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9722961000

Superintendent

Superintendent 1

Name Prefix

Mr.

First Name

Harun

Last Name

Karan

Email

hkaran@harmonytx.org

Phone

(214) 570-1606

Narratives

Current Designations at HARMONY SCIENCE ACAD (WACO):

- HARMONY SCIENCE ACADEMY - DALLAS - ECHS - 2020
- HARMONY SCIENCE ACADEMY - DALLAS - T-STEM - 0607

- HARMONY SCHOOL OF INNOVATION - DALLAS - ECHS - 2020
- HARMONY SCHOOL OF INNOVATION - DALLAS - T-STEM - 1213

- HARMONY SCHOOL OF INNOVATION - GARLAND - ECHS - 2020
- HARMONY SCHOOL OF INNOVATION - GARLAND - T-STEM - 0607

- HARMONY SCIENCE ACADEMY - EULESS - T-STEM - 1314

- HARMONY SCHOOL OF EXCELLENCE - DALLAS - ECHS - 2020
- HARMONY SCHOOL OF EXCELLENCE - DALLAS - T-STEM - 0708

- HARMONY SCHOOL OF INNOVATION - FORT WORTH - T-STEM - 0809

- HARMONY SCIENCE ACADEMY - CARROLLTON - ECHS - 2020
- HARMONY SCIENCE ACADEMY - CARROLLTON - T-STEM - 1314

- HARMONY SCHOOL OF INNOVATION - WACO - ECHS - 2020
- HARMONY SCHOOL OF INNOVATION - WACO - T-STEM - 0809

Previous Planning Year Applications at HARMONY SCIENCE ACAD (WACO):

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 in 2021-2022.

Arts AV Tech & Communication
Health Science
STEM

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

Digital Communications
Graphic Design and Multimedia Arts

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

Bio-Medical Science
Health Informatics

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

Biomedical Science
Cybersecurity
Engineering
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

What industry certifications does the academy plan to offer?

Item

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

Adobe Certified Associate (ACA) - Illustrator (Graphic Design & Illustration using Adobe Illustrator)

Microsoft Technology Associate (MTA) Introduction to Programming Using Java

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?

Yes

Provide the university name that your IHE partner has an articulation agreement with and the bachelor degree that students could earn using their associate degree and accrued credits. Each row represents a degree.

2-Year Degree	University	4-Year Degree
Associate Degree - Arts	University of Texas at Arlington	Liberal Arts
Associates Degree- Science	University of Texas at Arlington	Software Engineering

Recruitment and Enrollment

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

The HSED Campus has the greatest student and staff retention in the last three years. The recruitment strategies are including the T-STEM and ECHS model. These models are extremely attractive for students whose first choice is dual credit and AP course offering. Since the additional programs at school such as ECHS and associate degree as well as additional AP courses such as AP computer science and AP European History. These changes are positively affecting the students.

Narratives: Strategic Partnerships: IHE, Strategic Partnerships: Business Partner

Strategic Partnerships: IHE

IHE Partner 1

Affiliation

Mountain View College

Name Prefix

Dr.

First Name

Beatriz

Last Name

Joseph

Email

beatrizjoseph@dcccd.edu

Phone

214-860-8700

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.

Through our current partnership with Mountain View College, we are able to offer our students Dual Credit courses. Currently, we focus on guiding our students to be "Core Complete" and have aligned courses with our core classes on the high school side. We currently have a 4-year plan available that allows students to graduate with their associate's degree if they take a few courses as concurrent courses (courses that do not align with the curriculum we are teaching on the high school side- Ex: PE). We plan to try to expand opportunities that are available through the Dallas County Community College District that is directly related to the pathways that we offer.

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

IHE Blueprint Requirements: We currently have two MOU's. One is from Tarrant County College (TCC) for House Bill 5, the second is with Dallas County Community College District (DCCCD) for Dual Credit.

Our TCC MOU is to help students gain the foundation knowledge in Reading and Math. Students in the class have a strong understanding of the importance, benefits, and purpose of the course that is reinforced by the classroom teacher, and College Counselors they are assigned. 1) Students are met individually for one on one meetings and are able to see how the HB5 class impacts their degree program for after high school. 2) Our college counselors are in constant communication with the DCCCD liaison and professors to ensure DCCCD transcripts college credit earned through dual credit in the same semester that credit is earned. 3) HSED students have access to DCCCD college advisors and HSED campus college counselors who meet with every student to consult and advise students regarding the path from earning college credits through the dual credit program to the associate's degree to the bachelor's degree. 4) HSED students are able to access DCCCD library- on-site and online, academic support at MVC for writing and math, campus social and sports facilities, DCCCD advisors, online resources.

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.

All Dallas County Community College District (DCCCD) dual credit classes are provided on the HSED campus. Students receive instruction in the same building they take regular high school courses. Transportation is not needed for our current Dual Credit format. As outlined in our current MOU with DCCCD, high school students are not charged tuition for the first attempt for any course included in the agreed-upon course matrix, if the high school campuses that are located in Dallas, This means that our students are not responsible for paying tuition and only need to pay for books/materials.

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

For Dual Credit: HSED college counselors track student's college readiness and eligibility for DCCCD classes, their credits, grades, and GPA. Relevant information is available to the DCCCD representatives if needed. DCCCD professors provide HSED administration with individual Student Advising Reports at the end of each semester. For House Bill 5: The teachers teaching College Prep courses are required to attend TCC's HB5 training that covers curriculum and expectations for the College Prep Courses (pre-post assessments, when to give assessments, etc.). The courses must be transcripted in accordance with the HB5 MOU, and final grades and test scores sent after completing the course. During the school year, college counselors meet with the students to help emphasize their understanding and importance of the course, to review their scores, and to help identify areas of weakness.

Strategic Partnerships: Business Partner

Business/Industry Partner 1

Affiliation/Company

CIA (Central Intelligence Agency)

Job Title

Ambassador

Name Prefix

Other

First Name

Miracle

Last Name

K.

Email

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Phone

703-222-4063

Business/Industry Partner 2

Affiliation/Company

JA Finance Park

Job Title

JA Finance Park Capstone Education Manager

Name Prefix

Ms.

First Name

Lisa

Last Name

Foster

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Phone

972-677-2933

Business/Industry Partner 3

Affiliation/Company

National Math + Science Initve

Job Title

CFO

Name Prefix

Ms.

First Name

Tammy

Last Name

Knapp

Email

tknapp@nms.org

Phone

2145253004

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.

-(CIA) In this partnership, the CIA is coming twice a year and talking to Students. During these meetings, the interest in CIA student is getting in touch with the CIA. In the meantime, in each meeting, the CIA Embessodors is talking about the program and informing students of possible opportunities. - (NMSI) - The partnership requires specific members of HSE-D to be given roles. There are roles and responsibilities for: the counselor, an administrator, and a CTE teacher. The counselor helps to promote awareness of the AP Computer Science program and is required to attend training by NMSI, the CTE teacher is the facilitator of the AP Computer Science Course and must also attend NMSI training, and the administrator helps to oversee the AP Computer Science course and helps to ensure current course planning is taking place to support the Computer Science pathway. NMSI tracks the campus progress and provides training, support, and also gives us funds in the form of a grant as long as all specified criteria are met.

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.

- (CIA) -We have students' clubs which are supporting this partnership. Students in the NATIONAL STUDENT ASSOCIATION (NSA) club are focusing on CIA related jobs. - (NMSI) -Students at Harmony School of Excellence are interested in T-STEM (we are a T-STEM campus). Because of this focus, we try to provide our students with relevant courses that they are interested in. NMSI helps to aid our teachers in implementing high-quality training and support. This leads to increase interest in Computer Science and students receiving Industry-based certifications. Other activities and clubs that support this pathway include: LIST OTHER ITEMS HERE

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.

- (CIA) -The interested students have a chance to intern at the CIA. - (NMSI) -Students will have access to quality teachers and advanced technology will be available by using grant funds.

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

- (CIA) -In this partnership, it is cost-free. Students are not required to make any payment for any of the related activities. - (NMSI) -There is no fee required to have the Benefits from NMS.

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
Information Security Analyst
Nurse Practitioner
Industrial Engineers
Operations Analysts

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 Talks (Nebris, Schoolinks Career, alumni, and community members)
Science fair and STEM, PBL activities

6th Grade Activities

Math-Counts and such extra curricular activities

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

7th Grade Activities

Engineering, Robotics Clubs

Math-Counts and such extra curricular activities

PLTW STEM package, year long

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

8th Grade Activities

Career Talks (Nebris, Schoolinks Career, alumni, and community members)

Engineering, Robotics Clubs

PLTW STEM package, year long

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

9th Grade Activities

Software engineering certifications

Career Talks (Nebris, Schoolinks Career, alumni, and community members)

Engineering, Robotics Clubs

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

10th Grade Activities

Biomedical Certifications

Career Talks (Nebris, Schoolinks Career, alumni, and community members)

STEM filed student oriented projects

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

11th Grade Activities

College Trips

11th Grade Activities

College and Career Readiness classes- year long

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

12th Grade Activities

College and Career Readiness classes- year long

Volunteerism

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?

HSED has two teachers who are qualified to teach dual credit, However, DCCCD provides the campus with educators for the dual credit courses. In the past, one of the challenges was the high turn over of the teachers, but the campus is considering getting several teachers affiliated with DCCCD.

Is the academy a TSIA testing site?

Yes

Narratives: STEM-Focused Extracurriculars, 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
Counselor meetings	Students meet with counselors one on one to discuss academic progress, pathway progress, graduation plan
Tutorials	Students receive after school and/or Saturday tutorials
Bridge program	Students transferring from 8th grade to high school and from elementary to middle school have an opportunity to attend the bridge program
RTI program	Students receive Tier 2 and 3 interventions in areas of need throughout the year
College and Career readiness curriculum	Students receive college and career readiness classes year-long

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
Community service	All students are required to complete 100 hours om CS before graduation. We are able to provide students with opportunities on our feeder campus, our own campus, and small businesses around us. (Due to the Pandemic, we have to waive for this year, based on the case may waive again)
Counseling	Students are able to visit the school counselor for problem-solving and such.
Life skills	We provide life skills classes for students with certain needs.
Parent Outreach	We conduct parent academies and information nights, send a newsletter with information

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

HSED uses campus, district, and state-generated data to identify, analyze, and improve programs on campus. The guiding coalition and the admin team interpret and analyzes specific data, identifies areas

of strengths and weaknesses, formulates the plan, and reach out to teachers, students, and parents to inform about and implement the plan. We look at the goal-setting, quality of instruction, student population, student access to materials and instruction, scheduling and interventions, etc.

STEM-Focused Extracurriculars

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

HSED provides students opportunities to grow in multiple STEM-focused activities: - Clubs and Competitions: TARC, Robotics, MathCounts, Science and Math UIL, other Math clubs, Solar Car - Summer STEM camp at UT Dallas -CIA Internship.

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
Benchmark 3: Strategic Alliances	Develop existing and identify more business partners to provide students with more work-based and internship opportunities.
Benchmark 4: Curriculum, Instruction, and Assessment	Increase number of students receiveing industry-based certifications and the range of the certifications
Benchmark 6: Student Support	Increase the number of STEM-related clubs and increase number of students enrolled in the clubs

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://hsedallas.harmonytx.org/tstem/

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

https://hsedallas.harmonytx.org/tstem/

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

https://hsedallas.harmonytx.org/tstem/

Benchmark 2 Products

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

https://hsedallas.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://hsedallas.harmonytx.org/tstem/

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

https://hsedallas.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://hsedallas.harmonytx.org/tstem/

Benchmark 3 Products

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

https://hsedallas.harmonytx.org/tstem/

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

https://hsedallas.harmonytx.org/tstem/

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

https://hsedallas.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://hsedallas.harmonytx.org/tstem/

Benchmark 4 Products

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

https://hsedallas.harmonytx.org/tstem/

Provide a link to the academy's master schedule.

https://hsedallas.harmonytx.org/tstem/

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

https://hsedallas.harmonytx.org/tstem/

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

https://hsedallas.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://hsedallas.harmonytx.org/tstem/

Benchmark 5 Products

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

https://hsedallas.harmonytx.org/tstem/

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

https://hsedallas.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://hsedallas.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://hsedallas.harmonytx.org/tstem/

Benchmark 6 Products

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

https://hsedallas.harmonytx.org/tstem/

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

https://hsedallas.harmonytx.org/tstem/

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

https://hsedallas.harmonytx.org/tstem/