



HARMONY SCHOOL OF INNOVATION - FORT WORTH

T-STEM Renewal Application

2021-2022

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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 INNOVATION - FORT WORTH

CDC #: 161-807-011

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 Fort Worth

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.

165

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

165

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

165

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

140

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

120

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

110

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

100

Contacts

Applicant

Applicant 1

Job Title

Dean of College and Career

Name Prefix

Mr.

First Name

Bilal

Last Name

Ozturk

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Phone

817-386-5505

Principal

Principal 1

Name Prefix

Mr.

First Name

Serkan

Last Name

Kilic

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skilic@harmonytx.org

Phone

817-386-5505

Superintendent

Superintendent 1

Name Prefix

Mr.

First Name

Harun

Last Name

Karan

Email

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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
Business Marketing Finance
Health Science
Information Technology
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.

Business Management

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

Bio-Medical Science

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

Programming and Software Development

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

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

Autodesk Certified Professional or User in AutoCAD

Adobe Certified Expert (ACE) - Photoshop

Microsoft Office Specialist Excel

Microsoft Technology Associate (MTA) Introduction to Programming Using Java

Certified EKG/ECG Technician

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

Recruitment and Enrollment

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

Provide information sessions for our students during advisory and career investigation classes. We also establish parent nights to inform our parents about our program of study offerings in which our CTE teachers present the details of their courses and talk about IBC opportunities for their specific classes. We also provide career surveys to our students during career investigation and college counseling classes. We also offer several clubs and organizations on our campus for our students to engage and explore more about their career plans.

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

Strategic Partnerships: IHE

IHE Partner 1

Affiliation

Tarrant County College

Name Prefix

Ms.

First Name

Felisha

Last Name

Battles

Email

felisha.battles@tccd.edu

Phone

817-515-4412

Job Title

DC 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 campus has MOUs in place with local community colleges and state colleges, through which we offer local dual credit courses as well as several online courses. High school students attend college field trips; college speakers from different universities visit campus on a quarterly basis. Finally, the campus has contacts in place for frequent visits with business partnerships through which we host guest speakers in STEM fields.

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 campus communicates STEM and college expectations during grade level nights (9th grade Parents' Night, 10th Grade Parents' Night etc.) as well as during individual counselor and AP meetings; In addition, we have a campus goal of conducting home visits for every enrolled student, carried out by staff throughout the year.

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.

N/A

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

N/A

Strategic Partnerships: Business Partner

Business/Industry Partner 1

Affiliation/Company

Lockheed Martin Aeronautics

Job Title

OLDP|IFG Quality

Name Prefix

Mr.

First Name

Blaine

Last Name

Little

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Phone

817-991-7825

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.

N/A

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 engineers visit our campus and offer a couple of workshops to students who are in engineering and computer science pathway.

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.

They also invite our students to a field trip to Lockheed Martin Campus in Fort Worth.

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

N/A

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

Business Operations Specialists

Civil Engineers

Software Developers, Applications

Medical and Health Services Managers

Electrical Engineers

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

Design and Modeling PLTW classes

Computer Science for Innovators and Makers PLTW classes

FLL Robotics and Science Olympiad Clubs, Science Fair and Mathcounts Competitions

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

7th Grade Activities

Flight and Space PLTW classes

Automation and Robotics PLTW classes

FLL Robotics and Science Olympiad Clubs, Science Fair and Mathcounts Competitions

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

8th Grade Activities

Flight and Space PLTW classes

Automation and Robotics PLTW classes

FLL Robotics and Science Olympiad Clubs, Science Fair and Mathcounts Competitions

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

9th Grade Activities

Principles of Biomedical Science PLTW class

Introduction to Engineering Design PLTW class

HOSA, FBLA organizations, FTC Robotics and Cyber Patriot Clubs

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

10th Grade Activities

Human Body System PLTW class

Principals of Engineering PLTW class

HOSA, FBLA organizations, FTC Robotics and Cyber Patriot Clubs

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

11th Grade Activities

Medical Interventions PLTW class

Digital Electronics PLTW class

HOSA, FBLA organizations, FTC Robotics and Cyber Patriot Clubs

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

12th Grade Activities

Biomedical Innovations PLTW class

Engineering Design and Development PLTW class

HOSA, FBLA organizations, FTC Robotics and Cyber Patriot Clubs

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 size of our campus limits us to offer many different options for our students. Four years ago we started to extend our highschool and currently, we have about 450 students in the 9th through 12th grades. The goal is to reach out to 550 students in the high school section of our campus.

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
Providing college guidance counseling classes	College guidance counselors inform students to create on going college awareness atmosphere in the campus
One on one college counselor meetings	College guidance counselors meet with all high school students to help them be on track for high school graduation and guide them for their college and scholarship applications.
SAT Prep classes	All 11th grade students are taking SAT Math and SAT English classes to improve their

Activity	SCORES Description
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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
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Parent Academy	Provide sessions to our parents to inform them about our school programs and educate them to help their children in the process of their learning.
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How does your academy use the access, achievement, and attainment data for program improvement?

Campus admin team utilizes all the testing data (NWEA Map test, TSI scores, PSAT and SAT scores. ACT scores) to students needs and make data-driven decisions for the program offerings.

STEM-Focused Extracurriculars

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

The campus offers a number of clubs including, but not limited to: Coding Club, Engineering Club, FTC Robotics, FLL/LEGO League, HOSA, Junior Solar Sprint, Math Counts, Cyber Patriot. The campus also competes yearly in Science Olympiad, Science Fair, UIL Computer Science, UIL Computer Applications, UIL Number Sense, and UIL Science. There is an on-going STEM Mentoring Program offered in conjunction with our industry partner (Lockheed-Martin), through which students receive one-on-one guidance in STEM fields in addition to receiving an opportunity to tour a local aerospace facility.

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
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Benchmark 3: Strategic Alliances	College Counseling department will work together to communicate with other universities and promote connection opportunities to students.
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Benchmark 4:	We are taking steps to incorporate certification opportunities to all pathways.
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Curriculum,
Benchmark
Instruction, and
Assessment

Industry-recognized certifications preferred so that students may incorporate it into their resumes and increase their projected salaries.

Benchmark 5: Work-
Based Learning

We need to work on implementing programs and learning experiences.

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://docs.google.com/document/d/1FxZpYrr8o--KmY96gqH77aGn5d0rTNjln5b2_trUW48/edit?ts=5a0c4b08#heading=h.qkcc75s7b278

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

<https://docs.google.com/spreadsheets/d/1bqcLt5zQlzsP83lcrE93k5tje6lvNSHzlkA486dxAyY/edit#gid=0>

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

<https://docs.google.com/document/d/1stm1QHqFjFb74JqGN2nMs16AnbxHXaVImCvZB-oO1pl/edit>

Benchmark 2 Products

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

<https://hsfortworth.harmonytx.org/admissions>

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://drive.google.com/file/d/1pOqcoJgOcmFhH_wC_bYSBJv_aoufb5Gc

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

<https://harmonytx.org/about>

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://drive.google.com/file/d/1pOqcoJgOcmFhH_wC_bYSBJv_aoufb5Gc

Benchmark 3 Products

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

<https://docs.google.com/document/d/1TjP1RaVjf1g7-hSWWbRPLyHfUXm64Vfvaj-Ddril3hU/edit#heading=h.tryt2fa7sj7z>

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

<https://drive.google.com/file/d/1KUqxCTBbMvsoYtMbuR-RrcxQQDAiTdM/edit>

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

<https://drive.google.com/drive/u/0/folders/1Rq8dZo4DfbJKHV87BHICGiwpyF8uXk55>

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://drive.google.com/file/d/1KUqxCTBbMvsoYtMbuR-RrcxQQDAiTdM/edit>

Benchmark 4 Products

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

https://docs.google.com/document/d/1dF9OuO1f8wntLWqa8AHxr7cstyynS1e8_ydh4OpS7jA/edit

Provide a link to the academy's master schedule.

https://docs.google.com/spreadsheets/d/1FzrSkklPWxw-RAD5_plomTHyuo8tbqg/edit#gid=1413486695

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

<https://curriculum.harmonytx.org/>

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

<https://docs.google.com/spreadsheets/d/1vxm2s4XxWyTOggvtscbednQ4MKG5ekPgQtV4kaFMZko/edit#gid=0>

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://docs.google.com/spreadsheets/d/1BgDmz75JYvEwEL_LqfDFgkwCXsQ7XLKMRsuKRAOqHV0/edit#gid=0

Benchmark 5 Products

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

<https://docs.google.com/spreadsheets/d/1C8VWeL-Amc2DWnBTH3gmMxNpfMQ7v7GNU8oo8PSQug/edit#gid=0>

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

<https://21sdztdkf891crqjb19k66so-wpengine.netdna-ssl.com/wp-content/uploads/2020/09/Tarrant-County-Target-List-2020-2024.pdf>

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://docs.google.com/spreadsheets/d/1C8VWeL-Amc2DWnBTH3gmMxNpfMQ7v7GNU8oo8PSQug/edit#gid=0>

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

<https://docs.google.com/spreadsheets/d/1C8VWeL-Amc2DWnBTH3gmMxNpfMQ7v7GNU8oo8PSQug/edit#gid=0>

Benchmark 6 Products

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

https://drive.google.com/drive/u/0/folders/1r74oA7bctvSdOgTVmDfuPelsc61q_lzP

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

<https://docs.google.com/spreadsheets/d/1cVCMOdx6OSTrXWjtbAXsqFsMNRk5ZUIwQqILUbous/edit#gid=0>

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

<https://docs.google.com/spreadsheets/d/1vxm2s4XxWyTOggvtscbednQ4MKG5ekPgQtV4kaFMZko/edit#gid=0>
