



HARMONY SCHOOL OF INGENUITY-HOUSTON

T-STEM Renewal Application

2021-2022

Contents

[Background](#)

[Contacts](#)

[Narratives](#)

[Narratives: Degrees and Credentials, Recruitment and Enrollment](#)

[Narratives: Strategic Partnerships: Business Partner, Strategic Partnerships: IHE](#)

[Narratives: Regional Workforce Alignment, Work-Based Learning](#)

[Narratives: Advanced Academics](#)

[Narratives: STEM-Focused Extracurriculars, Curriculum and Support](#)

[Narratives: Leadership Team](#)

[Narratives: Benchmark 1 Products, Benchmark 2 Products, Benchmark 3 Products, Benchmark 4 Products, Benchmark 5 Products, Benchmark 6 Products, Benchmark Products](#)

[Download Assurances Signature Page](#)

Background

District Affiliation

HARMONY SCIENCE ACADEMY
CD #: 101846
Region: 04
Mailing Address (Line 1): 14100 SOUTHWEST FRWY
Mailing Address (Line 2):
City, State, Zip: SUGARLAND, TX 77478

School Affiliation

HARMONY SCHOOL OF INGENUITY-HOUSTON

CDC #: 101-846-003

Region:

Mailing Address (Line 1): 10555 STELLA LINK RD

Mailing Address (Line 2):

City, State, Zip: HOUSTON, TX 77025

Academy Information

What is the academy name?

Harmony School of Ingenuity - Houston

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.

75

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

60

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

61

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

173

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

126

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

104

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

Contacts

Applicant

Applicant 1

Job Title

Dean of College and Career

Name Prefix

Mr.

First Name

Ibrahim

Last Name

Karatas

Email

ikaratas@harmonytx.org

Phone

(713) 664-1020

Principal

Principal 1

Name Prefix

Mr.

First Name

Fikret

Last Name

Donmez

Email

fdonmez@harmonytx.org

Phone

(713) 664-1020

Superintendent

Superintendent 1

Name Prefix

Mr.

First Name

Ramazan

Last Name

Coskuner

Email

rcoskuner@harmonytx.org

Phone

(832) 831-9174

Narratives

Current Designations at HARMONY SCIENCE ACADEMY:

- HARMONY SCIENCE ACADEMY-HOUSTON - P-TECH - 2020
- HARMONY SCIENCE ACADEMY-HOUSTON - T-STEM - 0809
- HARMONY SCHOOL OF INGENUITY-HOUSTON - T-STEM - 1112

Previous Planning Year Applications at HARMONY SCIENCE ACADEMY:

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.

Health Science
Information Technology
STEM

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.

Information Technology Support and Services
Web Development

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

Biomedical Science
Engineering
Programming and Software Development

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

PSC
IC

What level 1 postsecondary certificate(s) provided by an IHE does the academy plan to offer?

Item
Microsoft Office Certification

What industry certifications does the academy plan to offer?

Item
Autodesk Certified Professional or User in AutoCAD
Clinical Medical Assistant
Microsoft Technology Associate (MTA) Introduction to Programming Using HTML and CSS

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
AS	Loyola	BS Biology

Recruitment and Enrollment

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

There is no update for recruitment and enrollment process that meet open enrollment requirements. We keep the plan that established previous years

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

Strategic Partnerships: IHE

IHE Partner 1

Affiliation

Houston Community College

Name Prefix

Dr

First Name

Cesar

Last Name

Maldonado

Email

office.chan@hccs.edu

Phone

713-718-2000

Job Title

Chancellor

IHE Partner 2

Affiliation

Lone Star College

Name Prefix

Dr.

First Name

Stephen

Last Name

Head

Email

steve.head@lonestar.edu

Phone

832-813-6515

Job Title

Chancellor

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 IHE articulation agreement addresses the importance of supporting students early with a clear pathway to and through college. By meeting with students and parents frequently to plan students' courses using resources such as our crosswalk document and knowledge of the articulation agreements between partners, students and parents can be assured that students are leaving our campus with a pathway to success based on informed decisions and aligned courses that will transfer appropriately, and even industry certifications supported by resources provided by IHE and industry/business partners through shadowing opportunities, career fairs, internships and mentorships, and post-secondary and career decision-making guidance as well as supporting on-campus teachers to remain competitive in teaching students in a way aligned to 21st-century needs. Below are some of the ways alliances and partnerships support our Academy:

- More than 100 student/teacher internships, job shadowing, mentorships, externships available annually.
- We have a Dual credit MOU with Lone Star College and Houston Community College that enables our students to take College level courses while in High School
- Annual Career Fairs, Engineering Day and similar activities are organized in our campus by our partners such as ALCON, Bridgeyear, etc. to promote student interest 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 IHE agreement provides supports for advising students on the transferability of college credits earned through publicly posted articulation agreements, access to advisors at the IHE, and frequent communication between the academy (Ingenuity) and dual credit liaisons. By working with CCRSM, the IHE partners, and the district, the academy has ensured clear crosswalks and pathways for all students working toward certifications, 2-year, and 4-year degrees.

As per the agreement, Students in dual credit courses must be eligible to utilize the same or comparable support services that are afforded to IHE students. (e.g., academic advising and counseling), to learning materials (e.g., library resources), and to other benefits for which the student may be eligible.

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.

This PTECH Blueprint requirement will be met by our T-STEM academy by ensuring that our academy will take care of students at no cost to them, as has been our practice since receiving our designation.: dual credit courses and industry certifications are offered free of charge to any student

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

All teachers Attend trainings provided by the IHE and are credentialed at the discretion of the IHE and the campus, if embedded. Harmony Public School grants IHEs, and vice versa, permission to track current Harmony Public School students who earned credit in a dual credit course, or have graduated or completed a sequence of courses leading to certification, licensure or an Associate Degree while maintaining dual enrollment at Harmony Public School. Students also sign a FERPA consent form allowing this data tracking, and college counselors as well as administrators counsel with students with regard to their college readiness.

Strategic Partnerships: Business Partner

Business/Industry Partner 1

Affiliation/Company

Phil Collins realty

Job Title

Broker

Name Prefix

Mr.

First Name

Phillip

Last Name

Collins

Email

philcollins1112@gmail.com

Phone

281-3875437

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 Business/Industry articulation agreement signifies the commitment by the partner to "contribute to a positive relationship with the school and serve as a positive role model" as well as "assist the school in preparing students for a successful career in post-secondary pursuit of STEM studies" through job shadowing, seminars, career fairs, workshops, mentoring, making connections to other professionals, as well as by demonstrating the importance of STEM in all fields, e.g. math in brokering deals.

Describe how the Business/Industry articulation agreement addresses the following Business/Industry Blueprint Requirements: Support for students' activities, such as clubs, Career and Technical Student Organizations, competitions, and special invitations.

The Business/Industry articulation agreement signifies the commitment of the partner to participate in supporting students by linking students to clubs, organizations, competitions, as well as by participating as a supporting team member or judge.

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 Business/Industry articulation agreement signifies the commitment of the partner to allow students to shadow and intern as well as use other networking connection to provide other opportunities for students. The business partner also agrees to use mentorship skills to help students prepare for participation in work-based learning environments.

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

The Business/Industry partner agrees not to charge students or their families for access to any of the commitments signified in the articulation agreement.

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

Healthcare

Engineering

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

Project-based learning in all science classrooms

PLTW Gateway

Nepriis

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

7th Grade Activities

Project-based learning in all science classrooms

PLTW Gateway

Nepriis

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

8th Grade Activities

Project-based learning in all science classrooms

PLTW Gateway

Nepriis

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

9th Grade Activities

STEM Competitions

PLTW Courses / Industry Certifications

Job Shadowing / Internships & Volunteering / Nepriis

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

10th Grade Activities

STEM Competitions

PLTW Courses / Industry Certifications

Job Shadowing / Internships & Volunteering / Nepriis

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

11th Grade Activities

STEM Competitions

PLTW Courses / Industry Certifications

Job Shadowing / Internships & Volunteering / Nepris

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

12th Grade Activities

STEM Competitions

PLTW Courses / Industry Certifications

Job Shadowing / Internships & Volunteering / Nepris

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?

Some challenges faced in ensuring our educators are qualified in teaching credit, specifically with regard to the STEM field, is that we are competing with the private sector and with higher education institutions. We address this in two ways: one, we remain competitive in recruiting qualified talent, but two, we also support to the development of our existing talent by providing opportunities to become qualified through attainment of graduate degrees. Harmony Public Schools is a highly recognized and award-winning public charter school that hires top quality teachers, administrators, and other professionals. Harmony strives to provide personal growth and professional success to recent graduates, alumni, experienced professionals, and seasoned experts seeking new career opportunities. We offer competitive salaries, great benefits, professional support, and opportunities for career advancement. In order to recruit top talents, Harmony organizes annual Job Fairs in Texas and surrounding states. Harmony also offers Teacher Referral Bonus program where current employees can refer prospective teachers to work for Harmony and get rewarded. Harmony Public Schools invest in developing teachers and leaders through high-quality programs, effective coaching, and ongoing professional development. An example to this is a unique talent growth program named Grow Your Own Teacher (GYOT) where Harmony Alumni are supported with financial scholarships to enable them pursue careers in Education and work for Harmony campuses. GYOT

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
After-school & Saturday Tutorials	1-4 hour sessions taught by highly-qualified teachers and rooted in the content using assessment data
RTI / Intervention Tracking	Supported by Administration and developed by benchmark assessment data
Career and College Readiness class	taught by highly qualified teacher and individualized based on student pathways
Bridge Programs	for AP students, incoming students, and high need grade levels (e.g. 9th grade)

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	PTO, parent nights for ESL, GT, and other special populations
Mental Health Counseling	access to mental health counselors on campus at no cost
Nutritional Services	free breakfast for all students

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

Campus personnel meets internally, as well as with T-STEM advisory board and T-Stem coach to ensure we are exceeding out access goals, meeting our achievement goals, and continually striving for attainment goals. We are looking at new ways to support all learners with regard to two areas of need for us: the number of credit hours earned through dual credit by graduation and the number of industry certifications earned. By tracking this data throughout the year, we need not wait for OBMs to determine if we are on track.

STEM-Focused Extracurriculars

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

students.

There are multiple STEM-related extracurricular activities offered at our campus. Below are some examples: 1. Harmony Ingenuity Biomedical Science Academy/Program (HIBSA) is designed for students interested in the Healthcare or Biomedical Sciences. The program provides with a rigorous curriculum as well as field experiences, clubs, and competitive opportunities. For instance, there is an annual "Meet The Healthcare Professionals Night", white coat ceremonies, where students learn from professional speakers. Students also can attend healthcare related field trips throughout the year. 2. Health Occupations Students of America is a student lead organization with a focus in Biomedical Sciences as well as leadership. Students attend leadership conferences, participate in competitions, hold schoolwide events such as Blood Drives or public awareness projects, and/hold Saturday camps such as "Junior Geniuses." for elementary and middle school-aged children to get them excited about science and healthcare. 3. Robotics Program/ Robotics Competitions. The objective of the Robotics program is to foster interest and competence in science, mathematics, and computers while promoting problem-solving skills, enabling creative thinking and design, and providing a domain for the application of scientific concepts. 4. STEM Festival 5. Sea Perch Underwater Robotics Program 6. Team America Rocketry Challenge 7. VEX Robotics 8. Drone Competition 9. Math counts/UIL

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 1: School Design	Increase access to strong externships for teachers, counselors, and admin to support student learning through professional growth.
Benchmark 5: WorkBased Learning	Increase work-based learning opportunities for all students at all grade levels through strong community and industry partnerships
Benchmark 6: Student Support	Strengthen parent involvement opportunities through community building, outreach, and development of special initiatives.

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://drive.google.com/drive/u/o/folders/1ZysOhc6y_rWnCMH6jtoz9lg6K28VYl37

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/1Gp3APobokUhxWKpaw58so8mE-75t3N2Lq_u_XxVbheQ/edit#gid=195411464

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

https://docs.google.com/document/d/19CqjMLP6BVnzgrSj7501hzDw7VqbxKSrdwit2D85_TU/edit

Benchmark 2 Products

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

<https://docs.google.com/document/d/1Nk4CP-oqf2j1lQdjeWAEVxJVTrUi-AZjHZWGyWMsWQ/edit>

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://docs.google.com/spreadsheets/d/1IVd-YDUJt7cYOmcP10Ek7LAXo-6WuRA4KUMIE77sjkc/edit#gid=0>

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

<https://drive.google.com/drive/folders/1VTapJYohXoComDt8j5fyqr9osGhT-uhl>

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/open?id=1_GwXwHNhxPRqYbqyeZeO6hieztvg2mG-

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/19CqjMLP6BVnzgrSj7501hzDw7VqbxKSrdwit2D85_TU/edit

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

<https://drive.google.com/open?id=0B8gQC5JGmEmHskJKdzFNWkZQUkVMRGxCX3p4M3A4VmF3UGhZ>

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

<https://drive.google.com/open?id=0B8gQC5JGmEmHZFLLaWM5LWl3X1JVdVRjRGFvQmw0M1VqcFoo>

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://docs.google.com/document/d/1wtQ00UjMHYKNoxrrBGHnCBDPAWAGwZqcf03g3AboQxE/edit>

Benchmark 4 Products

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

https://drive.google.com/open?id=12hmjxTS_zSU7jzhMohnpnC54zq8VsuO4jRlsmn2nMMI

Provide a link to the academy's master schedule.

<https://docs.google.com/spreadsheets/d/1iJVIZQjghtDz4Ukcqr8ilGLfjoaBwFbwhF1bXqFGgNI/edit#gid=1617094484>

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

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

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

https://docs.google.com/spreadsheets/d/16LjkHwU7xXlmncdSrWuoe6GMfAzoHaq63Mtl_pEMU3k/edit?ts=5fa444be#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/1SJeztss2_lxbGPXwRwgBPxQNEKbfe8FSZgkR4Q8XY3E/edit?usp=drive_web&oid=104301360706860867172

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/1koRrDKL7jRJdv2DW5nZJmog4xHx4kXdvQhbr29M7kHo/edit#gid=304524542>

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

<https://drive.google.com/drive/search?q=internship>

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/1wgQjcNOPq-QsL-YkWexPRAOirNbk72J1uRlq2F85eOs/edit?ts=5df15164#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/document/d/1C1HL0Jp1C1j9YFi_3Ht6E4pSinFJlhwhgWLwTbX5fuw/edit

Benchmark 6 Products

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

https://docs.google.com/document/d/1fjBhScRRS3HzPt1zew78fB_CmozRwhxltaqJ8noTRO4/edit

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

<https://docs.google.com/spreadsheets/d/12-L-dqJBubEpC6opU4ULxztTJmSnaE2gMUuCywN2FKo/edit#gid=54895736>

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

<https://hsingenuity.harmonytx.org/calendar/>