



# HARMONY SCIENCE ACADEMY-HOUSTON

## T-STEM Renewal Application

2021-2022

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# 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 SCIENCE ACADEMY-HOUSTON

CDC #: 101-846-001

Region:

Mailing Address (Line 1): 9431 W SAM HOUSTON PKWY S

Mailing Address (Line 2):

City, State, Zip: HOUSTON, TX 77099

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## Academy Information

**What is the academy name?**

Harmony Science Academy - 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?**

9  
10  
11  
12

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

199

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

177

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

171

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

150

# Contacts

## Applicant

### Applicant 1

**Job Title**

Dean of Academics

**Name Prefix**

Mr.

**First Name**

Muhammed

**Last Name**

Kaya

**Email**

kaya@harmonytx.org

**Phone**

7134920214

## Principal

### Principal 1

**Name Prefix**

Mr.

**First Name**

Oguz Kaan

**Last Name**

Torun

**Email**

otorun@harmonytx.org

**Phone**

713-492-0214

## Superintendent

### Superintendent 1

**Name Prefix**

Mr

**First Name**

Ramazan

**Last Name**

Coskuner

**Email**

rcoskuner@harmonytx.org

**Phone**

832-3741830

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# 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.**

Arts AV Tech & Communication  
Health Science  
Manufacturing  
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.**

Bio-Medical Science

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

Manufacturing Technology

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

Biomedical Science

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

Certified EKG/ECG Technician

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

Adobe Certified Associate (ACA) - Animate (Multiplatform Animations using Adobe Animate CC)

**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.**

We did not make any additional changes to the recruitment and enrollment process. We are an open enrollment public charter school.

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

## Strategic Partnerships: IHE

### IHE Partner 1

**Affiliation**

Houston Community College

**Name Prefix**

Ms.

**First Name**

Lilian

**Last Name**

Baldwin

**Email**

lilian.baldwin@hccs.edu

**Phone**

713-718-5706

**Job Title**

College P-16 Director

### IHE Partner 2

**Affiliation**

Lone Star College

**Name Prefix**

Ms.

**First Name**

Dena

**Last Name**

Shuttz

**Email**

dena.c.stuttz@lonestar.edu

**Phone**

281-655-3704

**Job Title**

Manager/Instruction

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**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.**

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**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.**

A crosswalk between College Credit and High School credit is provided to inform students what college courses can be taken at HCC in order to ensure students will also receive High School credit. In addition, it is to ensure curriculum being taught is equivalent to a high school course. Crosswalk was agreed upon between HCC and Harmony Public Schools District office. Students are welcome to take more than 42 core curriculum courses that are stated in the approved crosswalk. On our campus, we offer two level one certifications that our students can earn through our IHE partners Payroll Specialist and CPT Manufacturing. In addition, we will offer the following certification exams that a student can earn before they graduate: -Autodesk Certified Professional or User (ACU)- Inventor -EKG Certification - Adobe Certified Associate (ACA) - Illustrator -Adobe Certified Associate (ACA) - Photoshop - Adobe Certified Associate (ACA) - Animate

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**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**

Crosswalk consists of core classes that a student can take and transfer to their respectful universities. College Counselors are advising students which courses from the crosswalk they should take to fulfil credits toward their intended major/degree plan. To ensure IHE Transcripts college credit is earned that same semester, our IHE partners are providing grade reports at the end of each semester to our campus and all grades that are received are then transcribed immediately upon a students' completion in the course. Students are able to access the facility, service and resources when needed at our IHE partners.

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**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 of the students are taking dual credit from IHE either through our embedded courses that are on campus or online.

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**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**

Harmony Public School agrees that the data transferred from HCC to Harmony Public School is and shall remain the sole and exclusive property of HCC. HCC agrees that the data transferred from Harmony Public School to HCC shall remain the sole and exclusive property of Harmony Public School. The Parties acknowledge under this Agreement that individually-identifiable health information that falls under the protection of the Health Insurance Portability and Accountability Act ("HIPAA"), data that deals with the confidentiality provisions of the Patient Safety Rule, and Social Security Numbers shall not be released by either party. Data that is released must be used consistent with the Family Education Rights and Privacy Act ("FERPA"), HIPAA and Harmony Public School and HCC policies and procedures for managing student education records and other confidential information. Harmony Public School grants HCC, and HCC grants Harmony Public School permission to use such data only for the following purpose and for no other purpose: 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 from HCC while maintaining dual enrollment at Harmony Public School.

## Strategic Partnerships: Business Partner

### Business/Industry Partner 1

#### Affiliation/Company

Boston Biopharma

#### Job Title

Communications Director

#### Name Prefix

Mr.

#### First Name

Bilal

#### Last Name

Waaqid

#### Email

bwaajid@bostonbiopharma.com

#### Phone

678-791-2347

### Business/Industry Partner 2

#### Affiliation/Company

Junior Achievement of Southeast Texas

#### Job Title

Senior Program Manager

#### Name Prefix

Ms.

**First Name**

Tiffany

**Last Name**

Simple-Ogunjebi

**Email**

togunjebi@jahouston.org

**Phone**

713.337.4788

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**Business/Industry Partner 3**

**Affiliation/Company**

Crystal Facility Solutions

**Job Title**

General Manager

**Name Prefix**

Mr.

**First Name**

Fatih

**Last Name**

Aslan

**Email**

info@cfshouston.com

**Phone**

281-506-8826

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**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.**

All work site supervisors, mentors, teachers, support personnel, and other partners understand their roles and responsibilities. Business Partners should attend district wide TSTEM meetings to discuss and improve opportunities for our students.

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**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.**

Business partners are providing internships and opportunities that support our students in their various organizations. Business Partners are providing guest speakers from different professions to give career talks to our students.

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**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.**

Students are invited to different programs that gives them access to the different resources and services.

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

No transportation is provided.

## 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

Registered Nurse

Certified Production Technicians

Payroll Specialist

Graphic Design

### 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 9th grade students.

#### 9th Grade Activities

Career Talks

Volunteer Opportunities

Providing a list of Summer Programs and Internships

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

#### 10th Grade Activities

**Career Talks****10th Grade Activities**


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STEM Clubs such as Robotics, Rocketry, SeaPearch, HOSA

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Providing a list of Summer Programs and Internships

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

**11th Grade Activities**


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Career Talks

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STEM Clubs such as Robotics, Rocketry, SeaPearch, HOSA

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Providing a list of Summer Programs and Internships

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

**12th Grade Activities**


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Career Talks

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University Admission Presentations

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STEM Clubs such as Robotics, Rocketry, SeaPearch, HOSA

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## 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

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**What type of dual credit courses does your campus plan to offer?**

AGCM

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**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?**

We would like to have our own instructor for dual credit classes, but it is sometimes difficult. We hired qualified staff members for Math and ELA, however we couldn't get someone for Social Studies. Texas onRamp is a great opportunity to offer dual enrollment classes and plan to open more courses with OnRamp.

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**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
Weekly Counselor Presentation	Counselors will be in the classroom at least once a week for all grades levels for a weekly counseling presentation covering several academic topics.
Meet with Students one by one	Counselors will meet with students one by one for individual guidance and support
Work Based Learning Opportunity	Counselors will provide opportunities to students where they can either participate or gain knowledge in a specific career

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
Presentation on Wrap-Around Service	Provide students with a presentation on what services are provided on our campus for Mental health and family needs
Counseling Services	Counseling services for students who need extra support individually and would like someone to speak too. In addition, our campus plans to hire another counselor on staff who can be available for students any time needed.

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

Based on the data, we are always trying to find ways to improve ourselves as an academy. We as a committee review the data to understand what needs improvement and then set up ways to implement it for student success. Leadership team/Guiding Coalition Meetings scheduled monthly and we meet with our academic leadership team regularly to discuss the school data to improve our programs.

## 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 in our campus. Below are some examples: 1. 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. Students learn and apply the scientific, mathematical, and technological fundamentals behind the construction of robots and the design of control algorithms. They also develop some daily life skills as they build robotic creations, such as visual reasoning, problem solving, teamwork, cooperation, and self discipline. 2. STEM Festivals The goal of STEM festivals is to stimulate the interest of our students, parents, and the public in STEM by organizing fascinating, exciting, educational, and entertaining activities in our schools. Each year, all Harmony high school campuses organize a STEM festival to showcase students' various STEM products. Local influential people, parents, and the public are invited to STEM festivals as we celebrate the success and hard work of our students. Students present a variety of STEM projects in these festivals some of which include; -Year-long PBL projects -Science Research and Engineering Projects -Exciting STEM demonstrations , hands-on activities, and experiments -Robotics shows 4. SeaPerch Underwater Robotics Program SeaPerch is an innovative underwater robotics program that equips teachers and students with the resources they need to build an underwater Remotely Operated

## 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
Industrial Based Certification	10% of STEM focused students will earn industry certification by graduation.
TSI College Readiness in ELA	TSI College Readiness standards in ELA will be at least 75%
TSI College Readiness standards in Math	TSI College Readiness standards in Math will be at least 85%

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/file/d/1x6fXRO958kqot2Gqs\\_JbPMZeJz3yixqQ/view?usp=sharing](https://drive.google.com/file/d/1x6fXRO958kqot2Gqs_JbPMZeJz3yixqQ/view?usp=sharing)

**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?usp=sharing](https://docs.google.com/spreadsheets/d/1Gp3APobokUhXWKpaw58so8mE-75t3N2Lq_u_XxVbheQ/edit?usp=sharing)

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

[https://docs.google.com/spreadsheets/d/1lITUjuVTvn8MxTqF6CtG5yJqeosk\\_nU6HygdJGV9ghy0/edit#gid=669448222](https://docs.google.com/spreadsheets/d/1lITUjuVTvn8MxTqF6CtG5yJqeosk_nU6HygdJGV9ghy0/edit#gid=669448222)

## Benchmark 2 Products

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

<https://docs.google.com/document/d/1Nk4CP-oqf2j1jQdjeWAEVxJVTrUi-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://drive.google.com/drive/folders/1MiEisrOSgjQH36utyMelO89lab3Eb-a4?usp=sharing>

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

<https://drive.google.com/drive/folders/1VTapJYohXoComDt8j5fyqrgosGhT-uhl?usp=sharing>

**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/drive/folders/1MiEisrOSgjQH36utyMelO89lab3Eb-a4?usp=sharing>

## 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/1RgwNXJ2XSG2ErdVwgmwbjxzd7FBmhtXr4hOH522exg4/edit?usp=sharing>

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

[https://docs.google.com/document/d/1KOLnqlyQdmxalVrUOLC8UkEsiF6yy-4Y-TgeY\\_bWXjY/edit#](https://docs.google.com/document/d/1KOLnqlyQdmxalVrUOLC8UkEsiF6yy-4Y-TgeY_bWXjY/edit#)

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

[https://docs.google.com/document/d/1QN1p72rLLyP01g60PFaMPhBvrzOaxu5Q5mpO6-7Qr\\_E/edit](https://docs.google.com/document/d/1QN1p72rLLyP01g60PFaMPhBvrzOaxu5Q5mpO6-7Qr_E/edit)

**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/spreadsheets/d/1umr655VyDxoBAhpYJ1ou24NfgYM8OrDDxg1BN8hwoQM/edit#gid=0>

## Benchmark 4 Products

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

<https://drive.google.com/file/d/1Z2-L7td-dGPNuqsETt2DK1FQGwDDpoiU/view>

**Provide a link to the academy's master schedule.**

[https://docs.google.com/spreadsheets/d/1\\_NNiR9VGSVRW2caq8yt5ruoDyqg5ccsPfQp-sLoreCw/edit?usp=sharing](https://docs.google.com/spreadsheets/d/1_NNiR9VGSVRW2caq8yt5ruoDyqg5ccsPfQp-sLoreCw/edit?usp=sharing)

**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/1jYTc9i3JWLzHL05\\_ANzQZsh\\_aZJr65bZgdaHaY7hP3E/edit?usp=sharing](https://docs.google.com/spreadsheets/d/1jYTc9i3JWLzHL05_ANzQZsh_aZJr65bZgdaHaY7hP3E/edit?usp=sharing)

**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://drive.google.com/file/d/1XQwBULFQCszmOgAXGh4V7BwCNwFokprJ/view>

## 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/1hGKHqkUWhdRaP1Hof4URZdSiU\\_Rk8VTO2Y79maXVwJY/edit#gid=0](https://docs.google.com/spreadsheets/d/1hGKHqkUWhdRaP1Hof4URZdSiU_Rk8VTO2Y79maXVwJY/edit#gid=0)

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

<https://texascareercheck.com/ExploreCareer/OccupationTrends>

**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/1qFifNLvXVXYKJdRPmVPnnMcz4y1ZuLJc8rS3RtTC3vg/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/document/d/13qWGk7oYgW2ls-lu3hms8UjxlEAns9lqoBz\\_fcc-UH8/edit](https://docs.google.com/document/d/13qWGk7oYgW2ls-lu3hms8UjxlEAns9lqoBz_fcc-UH8/edit)

## Benchmark 6 Products

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

<https://drive.google.com/file/d/1RRT2eGogbjazQd6EBoFGvQqUGMA20m4f/view>

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

<https://docs.google.com/spreadsheets/d/1Dm9Di5ckw17PfFZcVwLn9-yeklp6tguxl-bZBciEtlg/edit#gid=863990100>

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

<https://www.calendarwiz.com/calendars/calendar.php?crd=hsahighhouston&&jsenabled=1&winh=613&winw=1396&inifr=false>