

November 2022, Volume I

This Month We Celebrate



**Science,
Technology,
Engineering &
Mathematics**

HISD | Career Readiness

LEARNING TODAY. EARNING TOMORROW.



Digital Tools & Resources for the Innovative Classroom

11/29/2022 | 4:30 PM - 5:30 PM

The Engineering Design Process

12/8/2022 | 8:30 AM - 3:30 PM

STEAM Professional Development (Online)

12/12/2022 | 3:45 PM - 4:45 PM

Kitchen Math (CACFP)

12/14/2022 | 8:00 AM - 11:00 AM

Meal Production Records for CACFP

12/14/2022 | 12:00 PM - 3:00 PM

Happy Days in the CACFP: Get an Aaaa in Menu Planning with Hip Tools and Style

12/14/2022 | 10:00 AM - 11:30 AM

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NanoAcademy

About the Program:

NanoAcademy is a workshop for students grades 5-12 to participate in STEM lessons designed by experienced teachers inspired by the ongoing research at Rice University, Arizona State University (ASU) & the University of Texas at El Paso (UTEP).

Lessons range from 5th-12th grade in level and cover nanotechnology topics, including water pollution & treatment, environmental science, alternative forms of medicine, cells & much more!

Dates & Locations:

Rice University

February 4 & 11, 2023
8:00-12:00 CST

6100 Main St
Houston, TX 77005

UTEP

February 11, 2023
8:00-12:00 MDT

500 W University Ave
El Paso, TX 79968

ASU

February 25, 2023
8:00-12:00 MST

Tempe Campus
Tempe, AZ 85281

Apply Now:



bit.ly/3TIdNRd

Questions:

Email us at
stem@rice.edu

rstem.rice.edu

Our office does not discriminate or make judgement against any individuals based on race, color, national origin, disability, age, sex, religion, or political beliefs.



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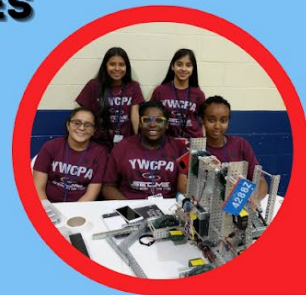
WHAT IS SECME?



SECME's 45-Year Legacy: SECME is a strategic alliance to renew and strengthen the professional capacity of K-12 educators, motivate and mentor students, and empower parents so that all students can learn and achieve at higher levels.

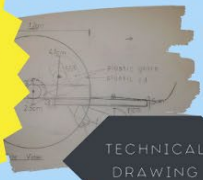
SCIENTIFIC & ENGINEERING PRACTICES

Students make connections between science and engineering through challenges where they investigate and design in order to solve problems. Students define problems by specifying criteria & constraints, generating & evaluating multiple solutions, building & testing prototypes, and optimizing a solution.

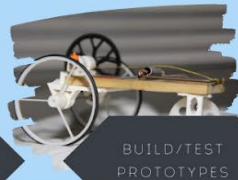


SECME's challenges ask students to use scientific & engineering practices.

EX. MOUSETRAP VEHICLE (MTV) CHALLENGE



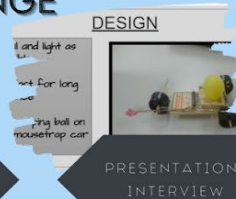
TECHNICAL
DRAWING



BUILD/TEST
PROTOTYPES



DESIGN
CHALLENGE



PRESENTATION/
INTERVIEW



HISTORY

Founded in 1975 as The Southeastern Consortium for Minorities in Engineering, SECME is an alliance of K-12 educators, universities and industry/government partners committed to engaging and preparing more historically underrepresented students for college and careers in STEM. In 1997, the name was changed to SECME Inc. to better represent the territories served today, which extends to schools, universities, science- and technology-based business and industry, and public and private agencies in 16 states, the District of Columbia, and Grand Bahama.

MISSION

To increase the pool of historically underrepresented and under-served students who will be prepared to enter and complete post-secondary studies in science, technology, engineering and mathematics (STEM); thus creating a diverse and globally competitive workforce.

For more information & registration: bit.ly/HISDSECME



2023 HLSR Scholarship Application

On behalf of the Houston Livestock Show and Rodeo Speakers Committee we are reaching out to you regarding the **2023 HLSR Scholarship Application**. The Speaker's Committee is available to come speak to your campus about the scholarship program and application process both in person and via Zoom/online meeting. Speaking events can include:

- Senior nights
- Senior class meetings
- Parent/Booster clubs
- School college nights
- PTA/O meetings
- Student class meetings
- Counselor meetings/training
- and, more!

For planning purposes, the scholarship application will open December 2022 and will be due early February 2023. Information can be found here, and will be updated soon for the 2023

application: <https://www.rodeohouston.com/Educational-Support/Scholarships/Apply>

If you would like to schedule a speaker for your campus, please reply (angiegr Robertson@gmail.com) and we will work with you for a date and speaker confirmation! We look forward to working with you and the opportunity your students have through the HLSR Scholarship Program.

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November 2022

Access Adobe's Precreated Lessons	Adobe	11/15	4:15-5:00 P.M.
Coding	Learning.com	11/15	4:15-5:00 P.M.
HISD 12 Days of Code	STEM	11/29	4:15-5:00 P.M.
Pear Deck	Pear Deck	11/29	4:15-5:00 P.M.

OneSource # for all sessions: 1484118

Join using Microsoft Teams



HISD

Academic Instructional Technology
EMPOWERING EDUCATION EVERY DAY

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Complete 6 hours of Sheltered Instruction Professional Development.*

Professional Development Designed to Support Emergent Bilingual Students

Once a month, 3 courses available

October 27, November 17, and January 26

Vocabulary in Action: Instructional Methods OneSource 1485017	HMW Rm: 2C12	October 27, 2022 November 17, 2022 January 26, 2023
Writing in All Content Areas to Promote Success on TELPAS OneSource 1485018	HMW Rm: 3C12	October 27, 2022 November 17, 2022 January 26, 2023
Content-based Language Instruction from Beginning to End OneSource 1485019	HMW Rm: 2C16	October 27, 2022 November 17, 2022 January 26, 2023

**From: 4:00 pm
To: 6:00 pm**

***To be eligible for the bilingual stipend, teachers must complete 40 hours of professional development. A minimum of 6 hours must be on Sheltered Instruction provided by Multilingual Programs.**

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FREE SKILL BUILDING

Registration for the CompuScholar "Winter Skills" Session is Now Open!

Teachers who want to learn **Java**, **Python**, **C#**, **HTML/CSS** or explore **video game design with Unity** can sign up for CompuScholar's free **Winter Skills** PD session. Use this opportunity to improve your technical skills and prepare to bring exciting new options to your students.

[Computer Science Foundations](#) course is available for the first time! This course uses Python to teach **AP Computer Science Principles** and other introductory computer science topics.

[C# Programming](#) course is also now available in complete form. Learn classic computer science concepts using the C# language.

Take an **online** CompuScholar course for **FREE**, at your **own pace**, from your **own home**. Register for the **Winter Skills** session and get started today.

[Enroll Now](#)

What certification are you preparing your health science students for?



[Click here](#) to learn which Health Science Certifications AES HealthCenter21 aligns with.

And using a Pacing Guide template, you can create a plan for any adjustments to your course while you review certification exam requirements. **[Get your pacing guide template here!](#)**



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region4
Publishing | Digital Learning

MICROSOFT INNOVATIVE EDUCATOR BOOTCAMP

FREE!

Gain the skills to master
Microsoft 365 and the digital
tools within it!

DAY 1 - NOV 16, 2022

8:30 AM-9:30 AM Get started with Microsoft PowerPoint: Create, view, present, or share presentations quickly and easily.

9:40 AM-10:40 AM Get started with Microsoft OneNote: a digital note-taking app that provides a single place for keeping all your notes, research, plans, and information.

10:50 AM - 11:50 AM Get started with Microsoft Word: Get started by learning to navigate Word, make impactful documents, and review your content with ease.

DAY 2 - NOV 17, 2022

8:30 AM-9:30 AM Flip (formerly Flipgrid) : Flip is a free video discussion platform from Microsoft that helps educators see and hear from their learners anytime, anywhere.

9:40 AM-10:40 AM Get started with Microsoft Cloud Storage: OneDrive for Business In this new hybrid work environment, interchanging between office and home for work, you can create, view, edit and share files on the go.

10:50 AM - 11:50 AM Microsoft Accessibility Solutions: This course shows how people can achieve more with the built-in accessibility tools and features in Microsoft technologies.

REGISTER TODAY!

Day 1 Nov 16, 2022
Session ID 1727160

Day 2 Nov 17, 2022
Session ID 1727189

QUESTIONS?

 digitallearning@esc4.net

 esc4.net/digitallearningevents