

MARCH 2022 - VOLUME II

## This Month We Celebrate



Health Science / Agriculture, Food/Natural Resources / Energy

## Teacher of the Month

ATTN: High School Principals & CTE Administrators! Do you have a CTE teacher who promotes high student engagement, hands-on activities, or other reasons why the CTE teacher should be nominated as CTE teacher of the month? If so, please submit your nomination using the following link:

[Click here to submit your CTE Teacher of the Month.](#)



Microsoft Education Tools in the K-12 Classroom (Online)

Get to Know Microsoft 365 for Educators

3-10-2022 | 3:30 pm – 4:30 pm

Keeping the End in Mind: Mapping Rigorous Instruction for All

3-30 - 2022 | 8:30 am – 3:30 pm

Growth Mindset

3-31-2022 | 1:00 pm – 3:00 pm

The Power of Choice: Creating Flexible Learning Goals (Virtual)

Inclusive Practices Power Hour (Virtual)

4-7-2022 | 11:30 am – 12:30 pm

Region 4 Positive Behavioral Interventions and Supports (PBIS)

Campus Coaching Project Overview (Virtual)

Funded Project Year 2022-23 (CTE Administrator)

4 – 19- 2022 | 1:30 pm – 3:30 pm

## Self-Care from ComPsych

Being Accountable in Work and Life	Mar 30, 2022	12:00 PM	(GMT-06:00) Central Time (US and Canada)	<a href="https://attendee.gotowebinar.com/register/3013957505205105168">https://attendee.gotowebinar.com/register/3013957505205105168</a>
Hobbies for Mental and Physical Health	Mar 23, 2022	12:00 PM	(GMT-06:00) Central Time (US and Canada)	<a href="https://attendee.gotowebinar.com/register/602175451143587854">https://attendee.gotowebinar.com/register/602175451143587854</a>
Where Are You Going? Goal Setting for Personal and Professional Success	Apr 06, 2022	12:00 PM	(GMT-06:00) Central Time (US and Canada)	<a href="https://attendee.gotowebinar.com/register/2595618619603760140">https://attendee.gotowebinar.com/register/2595618619603760140</a>
Building Trust	Apr 13, 2022	12:00 PM	(GMT-06:00) Central Time (US and Canada)	<a href="https://attendee.gotowebinar.com/register/6846873731329868043">https://attendee.gotowebinar.com/register/6846873731329868043</a>

If you're facing a crisis or need to talk to someone about challenges in your life, the EAP hotline, confidential resource, is available 24 hours a day at no cost to HISD employees. For more information, please [CLICK HERE](#).



## Student-Centered Creation for Successful Learning Outcomes

Monday, Mar. 7 @ 3 pm ET

[\*\*REGISTER HERE\*\*](#)

- Learn the characteristics of student success and learning
- Recognize the positive impact student-centered creation has on learning outcomes
- Explore learning experiences with learners as creators
- Evaluate the skills and proficiencies applied when students create



## Engage Students in Hands-On STEM Exploration with No-Cost Resources from Discovery Education

Tuesday, Mar. 15 @ 4 pm ET

[REGISTER HERE](#)

**Identifying new ways to keep students engaged in STEM learning and providing opportunities for hands-on exploration are more important than ever.**



In this edWebinar, we will review Discovery Education's portfolio of STEM programs specifically designed to tap into students' natural curiosity and to arm educators with turnkey resources to incorporate hands-on learning into any STEM lesson. Instructional materials reviewed here will address a variety of science, technology, engineering, and math topics and will offer resources appropriate for grades K-12, at all levels. Developed with our social impact partners, these resources are available at no cost and feature standards-aligned classroom activities, virtual field trips, interactive experiences, student challenges, videos, and parent resources.

## SUMMER PROGRAMS



## CODING, SISTERHOOD, BRAVERY

(Female students only)

Girls in the summer programs code websites, apps, and video games to address problems facing their communities—from climate change, to cyberbullying, to literacy.

The free virtual summer programs teach the computer science skills that students need to make an impact in their community while preparing for a career in tech. Participants will get exposure to tech jobs, meet women in tech careers, and join a supportive sisterhood.



Choose from a 2-week immersion program or a 6-week self-paced experience that will allow you to meet other students and learn in the style that works best for you! All high school students who identify as girls or non-binary can apply, and no prior computer science experience is required.

**Girls Who Code | Summer Programs**



# HISD | College & Career Readiness

ASPIRE. PREPARE. SUCCEED.

The **University of Houston College of Technology Research Experience for High School Teachers (RET)** is recruiting **12** high school STEM teachers from the Region 4 area for their 2022 cohort (Cohort II). The goal of the UH COT RET is to provide opportunities for high school STEM teachers to engage in innovative engineering and manufacturing research and develop advanced high school science curriculum modules.



## UNIVERSITY OF HOUSTON COLLEGE OF TECHNOLOGY RESEARCH EXPERIENCE FOR HIGH SCHOOL TEACHERS

### ABOUT THE PROGRAM

The University of Houston College of Technology will host twelve high school teachers of science, technology, engineering, and math (STEM) subjects for six weeks, during three consecutive summers, from 2020-2022. The teachers will explore advanced design and manufacturing research topics, which may include:

- Design and manufacturing, 3D printing, virtual reality (VR)/augmented reality (AR), and applications
- Bio-inspired design and manufacturing of a robotic swimmer
- Modeling and simulation of robot path planning
- Solar cell manufacturing
- Fluid mechanics and industrial applications
- Nanotechnology for water sustainability through photo-catalysts



Activities will include workshops, curriculum development, seminars, and field trips to local manufacturing companies. The research experience will be incorporated into high school curricula to meet Texas Essential Knowledge and Skills (TEKS) requirements and align with Next Generation Science Standards (NGSS).

The program results will be disseminated through local teacher conferences. Each summer program participant will make one presentation in one conference and develop at least one high school course module that meets teachengineering.org standards.

### BENEFITS

Each teacher will receive:

- A stipend of \$1,050/week\* for participation in the six-week summer program.
- \$1,800 upon completion of the implementation and evaluation activities during the following academic year.
- A free 3D printer for use in the high school.

\*\$1,150/week for Master Teachers

### HOW TO APPLY

Applicants must submit the following materials:

- Applicant's current STEM syllabus
- Application form
- A curriculum vitae
- Recommendation letters from the Principal/Assistant Principal
- 1-2 page essay that addresses the following topics:
  1. What are your main reasons for participating in this program?
  2. What do you hope to gain from the RET experience?
  3. Describe professional leadership roles you have held.
  4. If chosen, how would you implement your experience with fellow faculty and students?

Applicants for the Master Teacher designation must submit an essay (one or more pages) describing:

- Curriculum development experience
- The biggest challenges for RET participants and how being a Master Teacher can help them

People from under-represented racial and ethnic groups, or people with disabilities are especially encouraged to apply. Please include your background information for consideration.

Forms available at:  
[uh.edu/technology/ret](http://uh.edu/technology/ret)





## Excellent opportunity for Engineering and Computer Science pathways

Now accepting applications for the UH/HCC Engineering Academy! [www.hccs.edu/engineering-uh](http://www.hccs.edu/engineering-uh)

### UH/HCC Engineering Academy

Students accepted into the UH/HCC Engineering Academy are co-enrolled at both institutions from the moment they are accepted into the Academy. UH/HCC Engineering Academy students are official UH Engineering Cougars from the very first day!

#### Two Convenient Locations:

- **Katy** – I10/Hwy 99 – UH at Katy - 22400 Grand Circle Blvd. Katy / HCC Katy - 22910 Colonial Parkway, Katy
- **Fraga Eastside** – one mile east of Downtown Houston at the HCC Felix Fraga Campus – 301 N. Drennan, Houston

#### Benefits:

- **Co-enrollment:** students are official UH Engineering Cougars from the very first day!
- **Access to student services,** activities, and organizations at both institutions, including resources and amenities at University of Houston main campus.
- **Smaller class sizes** for all cohort math and science courses in a predetermined schedule provides more individualized educational support and student success.
- **Significantly lower tuition and fees.** Save \$11,000 to \$15,000!

YouTube Video: [https://youtu.be/Z\\_t6MyiCwpE](https://youtu.be/Z_t6MyiCwpE)

Application Website: [www.hccs.edu/engineering-uh](http://www.hccs.edu/engineering-uh)

UH Website: <https://www.egr.uh.edu/engineering-academies/hcc>

Academy Email: [hcc.uhengracademy@hccs.edu](mailto:hcc.uhengracademy@hccs.edu)

Attend an Information Session: <https://www.egr.uh.edu/engineering-academies/hcc/information-sessions>

#### Ideal Candidate:

- Is ready for **Calculus I** (MATH 2413) and Chemistry I (CHEM 1311) – options are available for Pre-Cal students, but encouraged to complete Pre-Cal during the summer
- Is admissible to both UH Main and HCC
- Has a flexible schedule for cohort classes, which are defined as math, science, and engineering.
- Is committed to a rigorous academic schedule including at least one math, one science, and one engineering course each long semester.

Please contact the UH Engineering Team if you have any questions or would like additional information.



## A virtual immersion in creative computing for K12 teachers, parents, and technology integrators

**When:** July 25-29, 2022

**Where:** Anywhere via Zoom

For more than 40 years, The Logo Summer Institutes have offered a relaxed atmosphere with small groups of colleagues and a great deal of personal attention from experienced workshop leaders. The individualized, project-based approach supports computational thinking, and STEAM learning and teaching.

Explore and create with

Scratch, Snap! TurtleArt and other programming languages

physical computing and robotics using Finch, Hummingbird, micro:bit and other platforms

3D printing, laser etching and cutting, and embroidery

[Click here to find out more and to register](#)

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## Artificial Intelligence, Machine Learning, and the Finch Robot

A workshop led by Tom Lauwers

**When:** Saturday, April 30, 2022  
10:00 am to noon EDT

**Where:** everywhere via Zoom

In this workshop you will train your computer to recognize patterns using Google Teachable Machine and your machine learning models. You will use these models in Snap! programs to control the Finch Robot.

[Click here to find out more and to register](#)



## Academic Instructional Technology

BrainPop - More than Movies	BrainPop	March 22	3:30 – 4:00 pm
Quizizz – LIVE Whiteboard	Quizizz	March 22	4:15 – 5:00 pm
Making Learning Accessible Using Pear Deck	Pear Deck	March 29	4:15 – 5:00 pm
Mastering the Lead-Up to STAAR with Book Creator	Book Creator	March 29	4:15 – 5:00 pm

**OneSource # for all sessions: 1461032**

Join using Microsoft Teams

The Academic Instructional Technology Department has a series of various technology tools to make classroom lessons and activities engaging to all learning styles. Join them very Tuesday of this month to learn about a different tech tool available to all HISD teachers.

# **HISD** | College & Career Readiness

ASPIRE. PREPARE. SUCCEED.

JOIN US FOR A FREE WEBINAR

## **HOBBIES FOR MENTAL AND PHYSICAL HEALTH**

SPONSORED BY THE HISD EMPLOYEE ASSISTANCE PROGRAM (EAP)



**WEDNESDAY, MARCH 23, 2022 • NOON – 1:00 PM**

This workshop is for anyone who would like to de-stress, improve their ability to focus, and feel better about themselves.

- Increase the opportunity for neuroplasticity through mental challenges
- Improve your physical health with a hobby that involves exercise
- Interact with others who share your interest to build relationships

**1 LUCKY  
ATTENDEE  
WILL WIN A  
DOOR PRIZE!**

Register at <https://register.gotowebinar.com/register/602175451143587854>

You may also go to the Benefits calendar at [HISDBenefits.org](https://HISDBenefits.org) to register.

To learn more about your EAP benefits, call ComPsych Guidance Resources at 833-812-5181.

**HISD** | Benefits Office  
BRINGING BENEFITS TO LIFE