



CTE BULLETIN

December 2021, Vol. I

Computer Science Education Week

Join Mr. James Wigfall and over 100 million students for an Hour of Code!

Computers are everywhere, changing every industry on the planet. But only 51% of all high schools teach computer science. Good news is, we're on our way to change this! If you've heard about the Hour of Code before, you might know it made history. More than 100 million students have tried an Hour of Code. With the Hour of Code, computer science has been on homepages of Google, MSN, Yahoo!, and Disney. Over 100 partners have joined together to support this movement. Every Apple Store in the world has hosted an Hour of Code, and leaders like President Obama and Canadian Prime Minister Justin Trudeau wrote their first lines of code as part of the campaign.

Let's make this year even bigger!

Mr. James Wigfall is asking you to join the Hour of Code 2021.

Please get involved with an Hour of Code event during Computer Science Education Week, December 6th, 2021 through December 12, 2021.

Get the word out. Host an event.

Ask a local school to sign up or try the Hour of Code yourself.

Everyone can benefit from learning the basics. Get started by [clicking here](#).

Contact Mr. James Wigfall at James.Wigfall@HoustonISD.org

Girls Who Code Resources (GWC)

As an international non-profit, Girls Who Code offers **free** and flexible computer science opportunities for your students with a strong emphasis on social emotional development.

- Our [Girls Who Code Clubs program](#) for 3rd-12th graders provides educators with free coding curriculum, resources, and training.
- Our virtual [Girls Who Code Summer Programs](#) offer introductory or advanced computer science courses for 9th-12th grade girls and non-binary students to get an inside look into tech careers through our company partners like YumBrands and Bank of America.

Free 3rd-12th Grade Clubs Program

Girls Who Code (GWC) is an international nonprofit offering free and flexible coding resources for our community!

When you sign up to start a GWC Club, you'll get access to everything you need – including training, comprehensive resources, 120+ hours of easy-to-use and flexible coding curriculum for 3rd-12th graders, and even free t-shirts and other swag for each of your Club members. Clubs' curriculum feature coding tutorials for all skill levels, inspiring women in tech, community-building activities to increase confidence, and project-based learning related to activism. You don't need any prior coding experience to get started! Plus – all genders are welcome in this girls-supportive environment. Learn more about the Clubs program [here](#) or join a webinar [here](#).

Free 9th-12th Grade Summer Programs

Ever wonder how a career in tech can help you pursue your passions? Join Girls Who Code summer 2022 to find out! If you're a 9th-12th grade girl - both cis and trans - or non-binary student, you're invited to apply to [Girls Who Code's 2-week virtual Summer Immersion Program \(SIP\) or virtual Self-Paced Program \(SPP\)](#)!

You'll learn an intro to HTML, CSS, and JavaScript through fun, hands-on projects for beginners or receive advanced certification in cybersecurity if you're looking to sharpen your coding skills. You'll even explore careers in tech through connections to top companies like YumBrands and Bank of America, just to name two! Plus - you'll become a part of a global sisterhood of 450,000 students worldwide that'll grant you access to exclusive alumni career support for life! In addition to our Summer Programs being **100% free**, stipends of up to \$300 and tech support are available for applicants who qualify.

So, what are you waiting for?

[Fill out the interest form today to be the first to know when the application goes live mid-January 2022!](#)

Contact Information:

Amanda Souza, Manager of Community Partnerships

Email: amanda.souza@girlswhocode.com



Professional Development

Inclusive Practices Power Hour: 3 Tips to Support Students in the General Education Setting *Virtual*

Participants will learn 3 big tips to implementing inclusive practices for students receiving special education services in the general education classroom, including learner variability, planning for anticipated barriers, and the roles of responsibilities of general, special educators and classroom paraprofessionals.

- [January 5, 2022](#) | 11:30am – 12:30pm

Addressing Challenging Behaviors at School *Case Study 2*

Do you work with students with autism who exhibit the most challenging behaviors? Have you wondered how to intervene with these students and change behavior? Join this series to review the journeys, from initial consultation through intervention, of students who demonstrated the most challenging behaviors. More specifically, participants will 1) learn more about the interventions that were successful, 2) learn how these interventions were implemented, and 3) ask questions and receive direct feedback about their own students. No identifying student information will be shared in order to protect privacy. Session costs partially funded through federal and state grants.

- [January 11, 2022](#) | 10:00am – 11:00pm

Playbook of Processing Strategies: Teaching Learners How to Learn! (Virtual)

All students yearn to learn, but some do not know how to do it. The Playbook of Processing Strategies provides tools to help create multiple pathways to learning. Explore teacher and student-owned strategies to increase learning outcomes. Participants will explore innovative processing strategies that support metacognition and the transfer of knowledge. Learn how to create your own playbook of processing strategies to improve student retention, organization of information, and engagement.

- [January 13, 2022](#) | 2:00pm – 3:00pm

Modifying Curriculum - *From Implementation to Grading*

Are you looking for ways to modify curriculum in the general education setting for your students with special needs?

If so, look no further! In this series, you will

- *understand the difference between accommodations and modifications*
- *identify guidelines and regulations about modifying curriculum*
- *walk away with a process to support your planning of modified curriculum*

- [January 19 & 20, 2022](#) | 11:30am – 12:30pm

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February 21, 2022, from 8:00am - 9:30am

Tips to Enhance your CTE Agriculture courses via MindTap!

Register HISD OneSource #1464093

Are you a secondary CTE teacher who is looking to incorporate some fresh new projects, tips, and digital content delivery in your classroom? This session provides strategies, lesson ideas, projects, digital tools, and technological approaches for teaching in this digital age. Learn how to use **Mindtap** to develop a robust and interactive course.

[Click here to join the meeting](#)

February 21, 2022, from 9:30am - 11:00am

Tips to Enhance your CTE Automotive courses via MindTap!

Register HISD OneSource #1464094

Are you a secondary CTE teacher who is looking to incorporate some fresh new projects, tips, and digital content delivery in your classroom? Learn how to implement just a few digital content delivery opportunities to freshen up your already robust course. This session provides strategies, lesson ideas, projects, digital tools, and technological approaches for teaching Automotive courses *via* **MindTap**.

[Click here to join the meeting](#)

MindTap Training Resources:

- **[MindTap Support](#)**
- **[MindTap Training](#)**