# Explore, Play, and Create
During Hour of Code®

Join this worldwide event that introduces tens of millions of students to computer science, inspiring them to learn more and feel empowered to change their futures.

No matter the subject you teach, you can participate in your own Hour of Code during Computer Science Education Week, which takes place **December 5–11, 2022**.

Learn more about how to create and plan your own Hour of Code below!

HOUR OF CODE
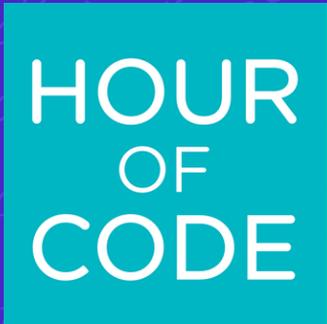
DID YOU KNOW…

The following data points are provided from the *2022 State of Computer Science Education: Understanding Our National Imperative* by Code.org, CSTA, and ECEP Alliance:

➤ "Just over **half (53%) of high schools** in the United States (U.S.) offer a single computer science course."

➤ "Rural schools, urban schools, and schools with high percentages of economically disadvantaged students continue to be **less likely** to offer foundational computer science…"

➤ "…Black/African American students, Hispanic/Latina/Latino/Latinx students, and Native American/Alaskan students are **less likely to attend a school that offers foundational computer science**."

➤ "…Only **32% of the high school students** enrolled in foundational computer science."

➤ "Despite the meaningful connection between computer science learning and student success, **only half of U.S. high schools teach it**."

➤ "…Learning computer science correlates with stronger outcomes for students in **math, science, and reading**."

Source: Code.org, CSTA, & ECEP Alliance. (2022). *2022 State of Computer Science Education: Understanding Our National Imperative.* Retrieved from https://advocacy.code.org/stateofcs

We are all part of the solution to bring computer science across K–12 education. You can start today by taking the first step: Participate in Hour of Code the week of December 5–11, 2022.

HOUR OF CODE

WHAT IS THE HOUR OF CODE?

The Hour of Code is a global initiative by **Computer Science Education Week** and **Code.org** to introduce millions of students to one hour of computer science and computer programming.

HOW CAN MY CLASSROOM PARTICIPATE IN THE HOUR OF CODE?

Here are some of the steps:

1 Watch this **How to Run an Hour of Code** video from Code.org.

2 Explore **computer science** activities and tutorials.

3 See the next page for some computer science activities from **AVIDOpenAccess.org**.

4 Plan your **lesson** and day.

5 Don't forget to reserve any devices needed, or you can explore these unplugged coding activities—**no technology needed**!

6 **Get coding!**

7 Celebrate your students' **success**!

To get even more details on planning your own Hour of Code, visit **HourofCode.com** for resources and information.

Computer Science Activities from
AVID Open Access™

Need some guidance on where to find coding lessons? **Visit AVIDOpenAccess.org to see lessons developed by our educational partners.** These activities require little to no computer science experience and are created to engage students at their age-appropriate level.
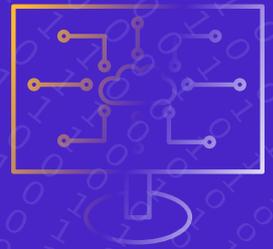
ACTIVITIES

Fuzzy Friend Speaks: Empathy and Coding (Grades K–2)

Using a Fuzzy Friend, students will be introduced to algorithmic thinking and following sequential steps. **No technology needed!**

Binary Bracelets (Grades 3–5)

Learn about binary code and make your own binary bracelet. **No technology needed!**

Apps and Storage (Grades 6–8)

Learn how smartphones use information to solve problems.

Text Compression (Grades 9–12)

Decode this mystery text using text compression – similar to how data is compiled and transported across the Internet.

Want even more inspiration? Visit **HourofCode.com/learn** for hundreds of lessons that can meet the needs of any classroom.

DONT FORGET TO SHARE!

We'd love to see how your classroom is participating in Hour of Code! Share on social media with the hashtags **#AVIDOpenAccess, #AVID4Possibility**, and **#HourOfCode**.

Don't forget to follow **@AVIDOpenAccess** for even more resources related to computer science, accelerating learning across subjects, and strategies that support equity to prepare students for their futures.

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