

Why Teach Kids to Code?

A guide to getting started by  CODESTERS

What is Coding?

Coding is an emerging literacy in education. In practice, it's the way programmers give instructions to machines. Code written by programmers is responsible for all the software applications we use every day. Coding isn't just confined to computers. Code runs in our cars, refrigerators, traffic lights, clocks, and coffee makers. Everything that is electronic is driven by code. When we teach coding, we're teaching a way of thinking about giving instructions, solving problems, and creating new possibilities.

Benefits of Learning to Code

Computing is a fundamental part of daily life, commerce, and just about every occupation in our modern economy. It is essential that students are exposed to the field of computer science in our K-12 system—it is foundational in transforming the way a student thinks about the world. It not only teaches them about technology, it also teaches them how to think differently about any problem.



Critical Thinking

Kids who code are problem solvers



Equity and Access

Computing jobs are the #1 source of new wages in the United States



Citizenship

Learning to code helps kids understand the world around them



Changing the World

Coding lets kids create the world they want to see

Start Coding Today

For grades K-4, go to <https://code.org.learn> and try out the Minecraft Hour of Code! Snap together blocks to help guide your character through an adventure!

For grades 5 and up, go to www.codesters.com/hoc to start coding in a high-level programming language: Python! Try out Dance Steps. Use the toolkit and lesson prompts to create a dance and then watch your sprite perform!

Keep Learning to Code



Sign up for a free Codesters account and Join as an Individual Learner at www.codesters.com



Try more Hour of Code activities by visiting www.codesters.com/hoc



Talk to teachers, PTA, or school administration about bringing coding into your child's classroom.



Invite a teacher to sign up for a teacher account or contact Kimberly for a demo at kimberly@codesters.com