



**December 9th - 13th**

**Technology is everywhere and coding is the backbone of how it all works!!**

## **Ten Reasons our Scholars Should Learn to Code**

When it comes to preparing our scholars for the future, there are few better ways to do so than to help them learn to code!

Coding helps kids develop academic skills, build qualities like perseverance and organization, and gain valuable 21st century skills that can even translate into a career.

1. **Math** - Coding helps kids visualize abstract concepts, lets them apply math to real-world situations, and makes math fun and creative.
2. **Writing** - Kids who code understand the value of concision and planning, which results in better writing skills.
3. **Creativity** - Kids learn through experimentation and strengthen their brains when they code, allowing them to embrace their creativity.
4. **Confidence** - Parents enthusiastically report that they've noticed their kids' confidence building as they learn to problem-solve through coding.
5. **Focus & Organization** - As they write more complicated code, kids naturally develop better focus and organization.
6. **Resilience** - With coding comes debugging - and there's no better way to build perseverance and resilience than working through challenges.
7. **Communication** - Coding strengthens both verbal & written skills.
8. **Empowerment** - Kids are empowered to make a difference when they code.
9. **Life Skills** - Coding is a basic literacy in the digital age, and its important for kids to understand - and be able to innovate with the technology around them

10. **Career Preparation** - There's a high demand for workers in the tech industry; mastering coding at a young age allows kids to excel in any field they choose.

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#HourOfCode



## Resources

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## Videos for Teachers

**Introduction Video - 9 min - What is Computer Programming?** Hear from some coding stars like Mark Zuckerberg & Will I Am. <https://www.youtube.com/watch?v=dU1xS07N-FA>

**Push Yourself - Anyone Can Learn - 2 min -**

<https://www.youtube.com/watch?v=ip051U7Rvds&list=PLzdnOPI1iJNcadqJAZnbDYShie4gLZQQJ>

Intro Video - For Teachers

<https://youtu.be/KsOIIDT145A>

**Introduction Video - 5 min**

<https://www.youtube.com/watch?v=nKlu9yen5nc>

[Explore Hour of Code Activities on your own](#)

## Block Code

**Easy -**

Hour of Code - Dr. Seuss The Grinch <http://www.grinchhourofcode.com/>

Write your own Flappy Code <https://studio.code.org/flappy/1>

Robo Garden - <https://hourofcode.com/rginter>

**Intermediate -**

Make a Sound Recorder - <https://gpblocks.org/hourOfCode2018/soundRecorder>

Build a Catapult - <http://gpblocks.org/hourOfCode2017b/>

**Code Monkey** - <https://app.codemonkey.com/hour-of-code/trivia-chatbot/course#1>

Make your own Beats - <https://codehs.com/editor/hoc/video/963996/6636/4747?>

## Python

**Tracy the Turtle** - <https://hourofcode.com/codehsturtle>

# App Development

Codesters Hour of Code - <https://www.codesters.com/curriculum/hour-of-code-2019/Basketball/1/>

Build an App with Thinkable- <https://hourofcode.com/thunkableyeet>

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