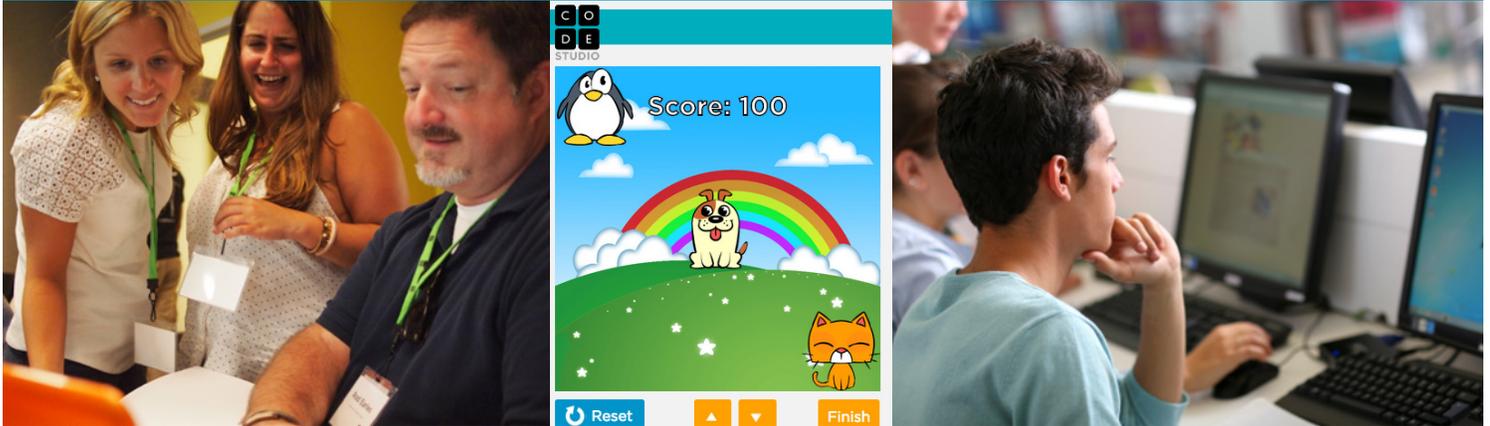


# Computer Science in Algebra

powered by Bootstrap



**Why Computer Science?** Every 21st century student should have the opportunity to learn computer science. The basics help nurture creativity and problem-solving skills, and prepare students for any future career.

## Video Game Design in the Algebra Classroom!

Code.org has partnered with Bootstrap to deliver a mathematics program that uses computer science to teach how video games rely on mathematical concepts like the coordinate plane, algebraic functions, and logic.

## Full Year Professional Development Model

**Spring:** Online introduction to curriculum and platform.

**Summer:** In-person, multi-day workshop and online follow-up

**School Year:** Job-embedded PD focused on implementation



## Teachers all over the nation recognize the importance of computer science.



"I teach special education. I think the visual models taught and the structure used in this program will aid my students."



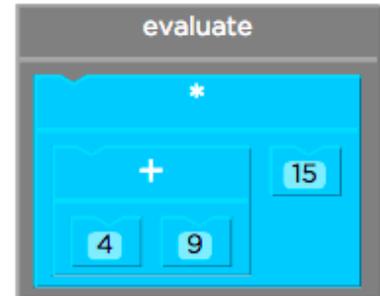
"I was able to understand the programming without any prior experience."

## What's in a workshop?

Interactive instruction from an experienced computer science and algebra facilitator, including an introduction to computer science, pedagogy, curriculum overview, and practice with the programming environment.

### Curriculum Features:

- Online programming environment that uses a visual block-based language designed for math instruction
- Daily instructional lesson plans for teachers, videos, and supplemental extension resources
- Allows for flexible integration into a curriculum
- Aligns to national math (CCSS) and computer science (CSTA) standards

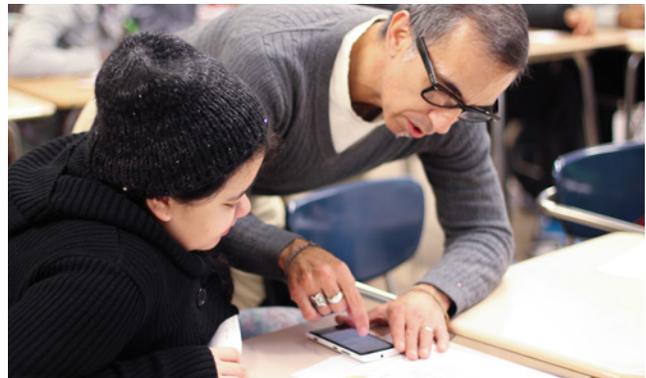


### CS in Algebra Topics:

Function Composition, Solving Word Problems, Inequalities in the Coordinate Plane, Boolean Logic, Piecewise Functions, The Distance Formula, The Pythagorean Theorem



“I am grateful for the opportunity to have participated in this professional development and would highly encourage more teachers to attend.”



For more info, visit: <http://code.org/curriculum/algebra>

Currently, Code.org's CS in Algebra workshops are only available through a district partnership. For info, visit: <http://code.org/educate/districts>

Code.org is a 501(c)3 non-profit dedicated to expanding participation in computer science education by making it available in more schools, and increasing participation by women and underrepresented students of color. The Code.org vision is that every student in every school should have the opportunity to learn computer programming.

