

Coding – Introduction to Video Game Development (Grades 5+)



This program is all about coding games - and the awesomeness that comes from it! Students will not only create a real functioning game from scratch, they'll practice the fundamental coding concepts required in any language, learn how to think logically, and have fun while doing it. Using Scratch, MIT's popular drag-and-drop programming language, students will code cool playable games with guidance from our seasoned instructors.

Learning Goals:

What will students learn? Lots of cool stuff! Our classes focus on coding games from scratch. We're not just relying on a platform to change parameters in a game; we're actually doing sequential coding through logical steps. Students will gain general skills like problem solving, teamwork, code debugging, and perhaps most importantly, all students will learn and practice the logical thinking skills required to program a computer at any level! In addition students will gain and practice important coding concepts that may include:

- Variables, Loops, and If/Then Logic
- Cartesian Coordinates and Sprite Movement
- Event Detection
- Score Keeping and Game Design
- Simple Math Logic and much more!

No previous coding experience is required; however your child must be comfortable working independently on a computer, including operating the computer using a mouse.

Fee: \$220 for 8 Weeks	Start Date: 03/01/2018	End Date: 05/03/2018
Phone: (917) 288-4158	e-mail: avarma@bricks4kidz.com	No Classes: 03/29 & 04/05
To Enroll visit: www.bricks4kidz.com/355 and click View Classes Gear & Select St. Luke School Location		