

## Tech Days 2018: Coding and Tech for Tweens and Teens

**Google CS First**- Coding curriculum for grades 4-8

**Scratch**- Block coding language created for kids to learn computational thinking

**Lego Mindstorms** – Robots created with Lego parts and programmed with an app or laptop

**Spheros** – Sphere robots controlled by an app on a tablet

**Makey Makey** – Electronic board that can connect everyday objects to use as a keyboard for a laptop or tablet

**Minecraft** – “A game about placing blocks and going on adventures”

**Ozobots** – “Pocket-sized coding robots”

**SNES Classic** – Super Nintendo Entertainment System looks and feels just like the original '90s home console, except it's super small. 20 games on device

**Raspberry Pi** – A tiny, affordable, programmable computer

**Breakout Edu** – Materials and web platform to host escape rooms/experiences. \$150 for one kit.

**Nintendo Switch** – Newest Nintendo gaming system

**Virtual Reality** – “An interactive computer-generated experience taking place within a simulated environment.” Mainly an auditory and visual experience.

**Stop Motion** – Animated film-making technique in which objects are physically manipulated in small increments between individually photographed frames

**Codecombat** – A game that teaches Python and JavaScript

**Codecademy** – Free coding classes for 12 different programming languages

**Sploder** – Free game creator

**Nintendo Labo** – DIY kits crafted to work with Nintendo Switch

**Little Bits** – Easy-to-use electronic building blocks for creating inventions large and small

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