

# AFTER SCHOOL CLUB



AGES 6-12  
@ 5:00 PM

## KID CODERS - FINCHES ON PARADE



Our fleet of Finch robots will be on full display during the month of July. Design your float with bricks then learn to code your bot to follow a parade route by using high tech sensors. County fairs have nothing on this!

### WHAT WE'LL BE USING:

- |                     |                   |
|---------------------|-------------------|
| Finch Robots        | Snap!             |
| Laptops (Mac or PC) | (Coding Language) |
| Building Blocks     |                   |

### What Sensors do the Finches Have?

The Finch robots have a lot of technology packed into a small body! On the front there are two distance sensors that look like eyes. There's also sensors to measure how fast the robot is going, as well as its orientation. We will be focusing on the light sensors on the Finch's belly to track our parade route lines.

### Subjects:

- Block-based Coding
- Light Sensors

### Standards:

- 1-PS4-4
- 3-PS2-2

[nextgenscience.org](http://nextgenscience.org)

### Maker

### Capacities:

- Prototype and Test
- Use Categories

[agencybydesign.org](http://agencybydesign.org)

### Key Terms

- If/Then Statements
- Loops