

AFTER SCHOOL CLUB



AGES 6-12
@ 5:00 PM

KID CODERS - AI IMAGE RECOGNITION

INTRODUCTION

This month we are using Thinkable to create a simple app to take pictures of what we are thankful for. Discover something new about AI and a computer's ability to "learn" through image recognition.



Subjects:

- Block-Based Coding
- AI Machine Learning

Standards:

- ETS 1-1
- PS 1-1

nextgenscience.org

Maker Capacities:

- Use Categories
- Explore Inner Workings

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Key Terms

- A.I.
- Machine Learning
- Image Recognition

WHAT WE'LL BE USING:

Laptops (Macs and PCs available)
Thinkable (Online App Design Software)
iPads

What is image recognition?

When we look at a picture of a cat, our brain tells us that it's a cat! But it isn't that easy for a computer. It needs to compare that cat to thousands of other images in a library, and uses a piece of code to identify important characteristics (i.e. whiskers, fur, tail, etc). Through the process of elimination, it can guess it's looking at a cat!