

Do Space Summer 2021

KID CODERS: SNAP GAME!



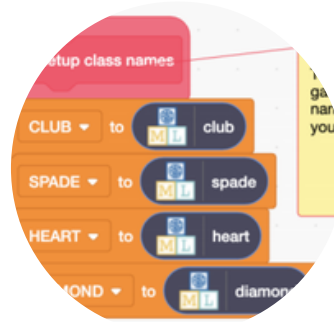
INTRODUCTION

It's the general consensus that computers are smart. The truth is they are only as smart as we teach them to be.

This month, we will be making a game in Scratch that teaches our computer to recognize printed and drawn pictures on our cards.

WHAT YOU'LL NEED:

- Internet access
- 1 MAC/ PC
- Cards for drawing
- Pens and markers



CLASS ACTIVITES

- Prep our cards by drawing images of club, spade, heart, and diamond.
- Taking pictures of the cards to "train" the computer and attaching labels to them
- Using scratch 3 to create a simple card game in Scratch. The game uses a webcam to take pictures of your card and uses machine learning to recognize the card in the photo.
- For more: <https://machinelearningforkids.co.uk/#!/worksheets-Snap!>

Subjects:

- Block Coding
- Machine Learning
- Image classification

Standards:

- 3C
- 4A
- 5D
- 6B

iste.org/standards/for-students

Maker

Capacities:

- Tinker to Explore
- Finding Opportunities

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Key Terms

- Block Coding
- Machine Learning
- Computers
- Images



Share what you made! @DoSpaceOmaha #DoSpaceSummer

