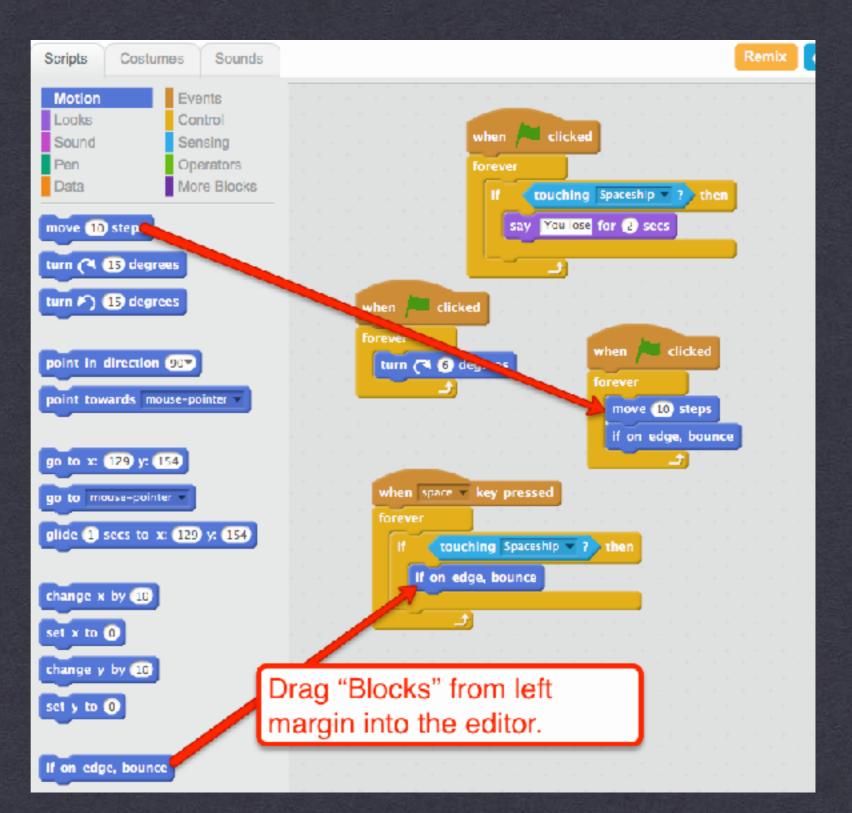
# LETS START AT THE VERY BEGINNING... BLOCK-BASED CODING

## WHAT IS BLOCK-BASED CODING?

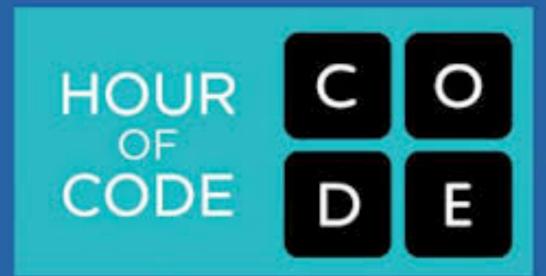
UNLIKE TRADITIONAL, **TEXT-BASED CODING, BLOCK** CODING **INVOLVES** DRAGGING **BLOCKS OF** INSTRUCTIONS **INTO AN EDITOR.** 



## THE TWO MOST POPULAR:



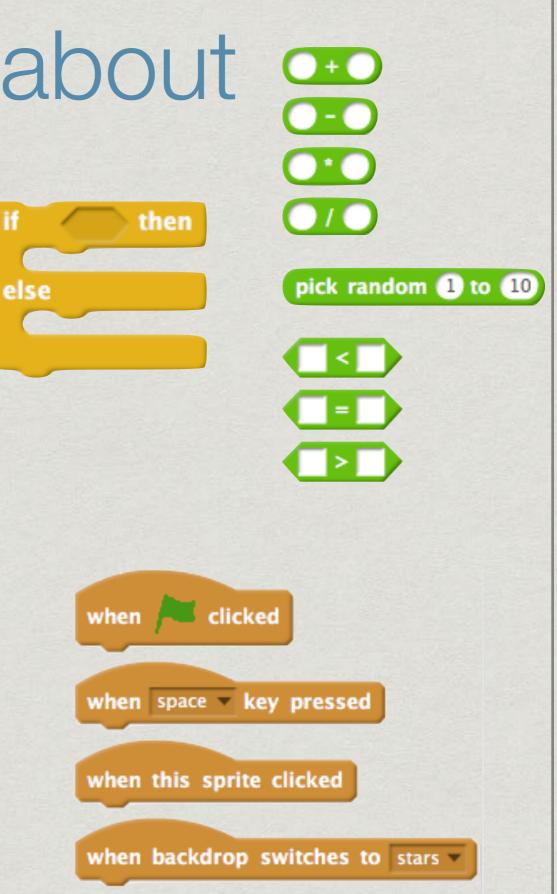
#### scratch.mit.edu





# What's so great about block coding?

- Low entry barrier for both students AND teachers
- \* Teaches programming concepts
  - \* operators
  - \* events
  - \* control structures
- Fosters experimentation and creativity



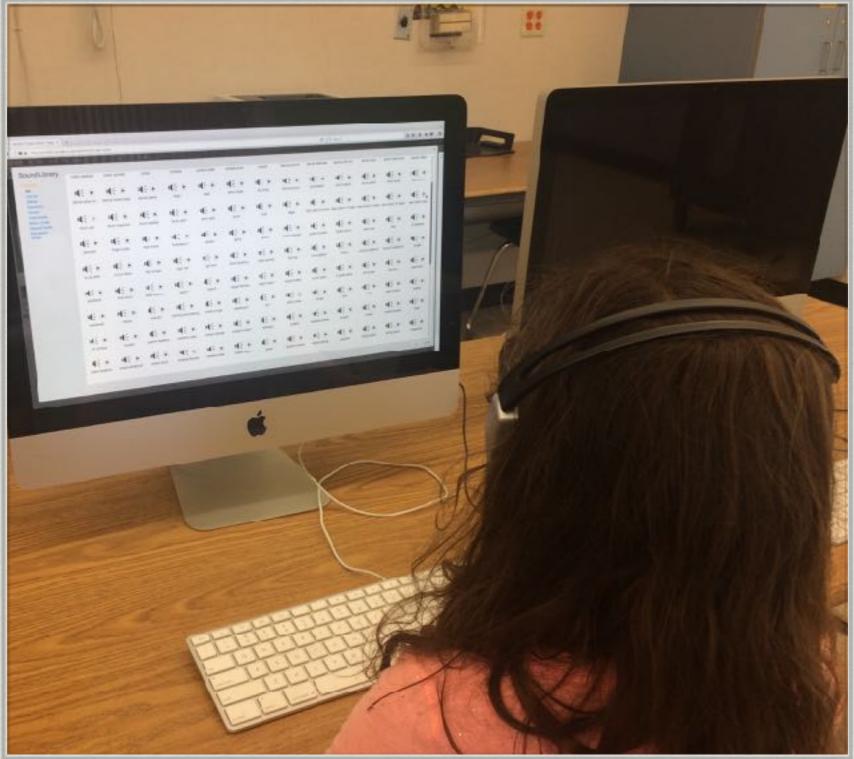
# What's NOT so great about block coding?

- \* Traditional de-bugging is limited
- Can create some bad habits, especially if the goal is to teach traditional coding languages



## **MY EXPERIENCE TEACHING SCRATCH**

## Experimentation



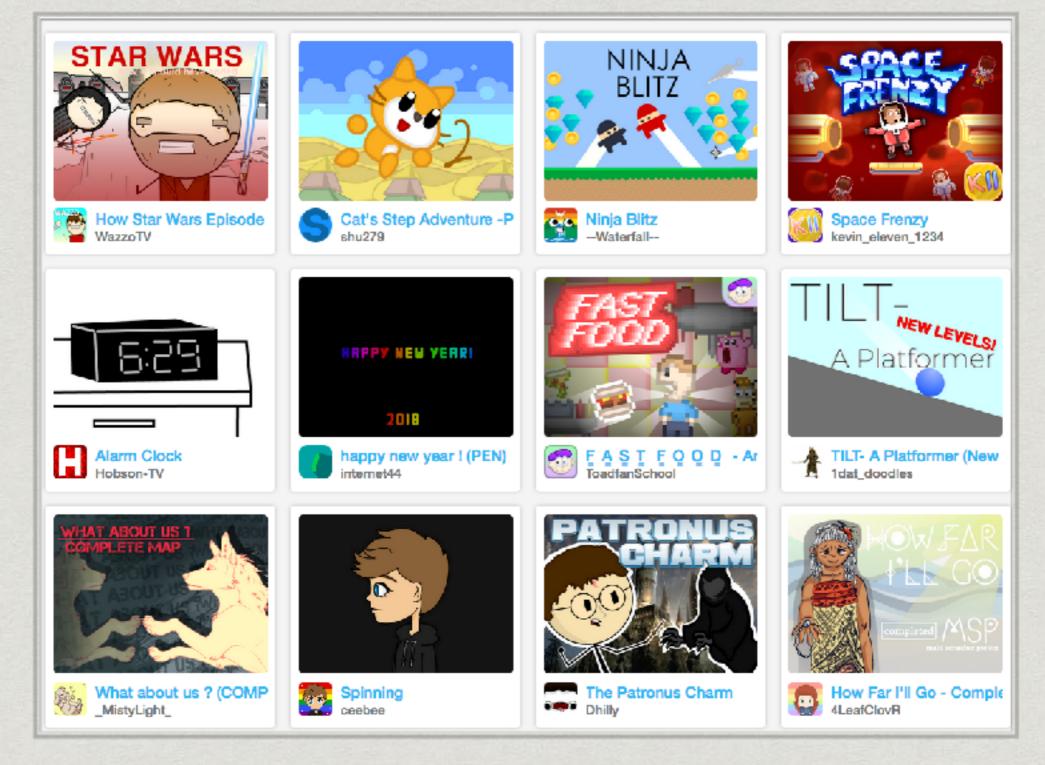
## Collaboration



## Creativity

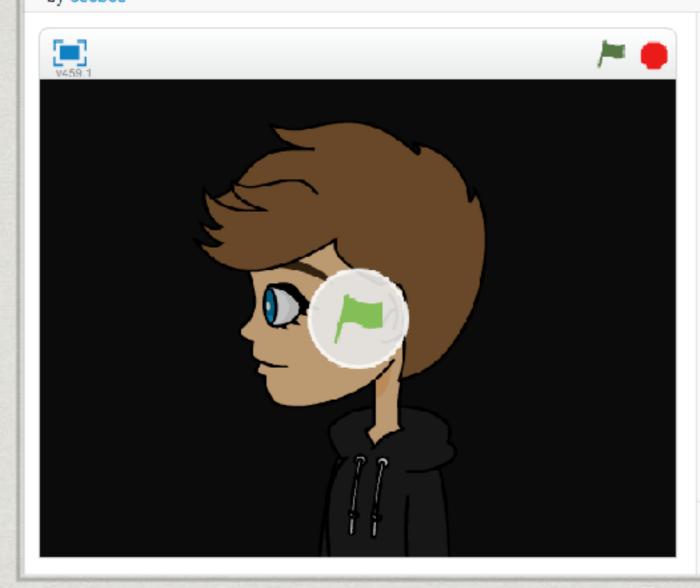


## Sharing & Remixing



## Documentation

### Spinning





🅠 See inside

#### Instructions

Something I've always struggled with is drawing faces. I really dislike doing it and I have even been known to walk away from a drawing for a few hours out of frustration IoI In particular I find it extremely difficult to draw faces from different perspectives. And because of this I very, very rarely draw faces from any perspective but straight forward IoI (Take a look back at some of my old projects, you'll see what I mean :P)

#### Notes and Credits

Use the Right/Left arrow keys to speed up/down the spinning

art

Music: "It don't mean a thing" by ProleteR Artwork: Made in Illustrator

\*boop\*

- - - - -

spinning animations

③ Shared: 2 Jan 2018

Modified: 2 Jan 2018

"Agency"



## LEARN MORE ON YOUR OWN:

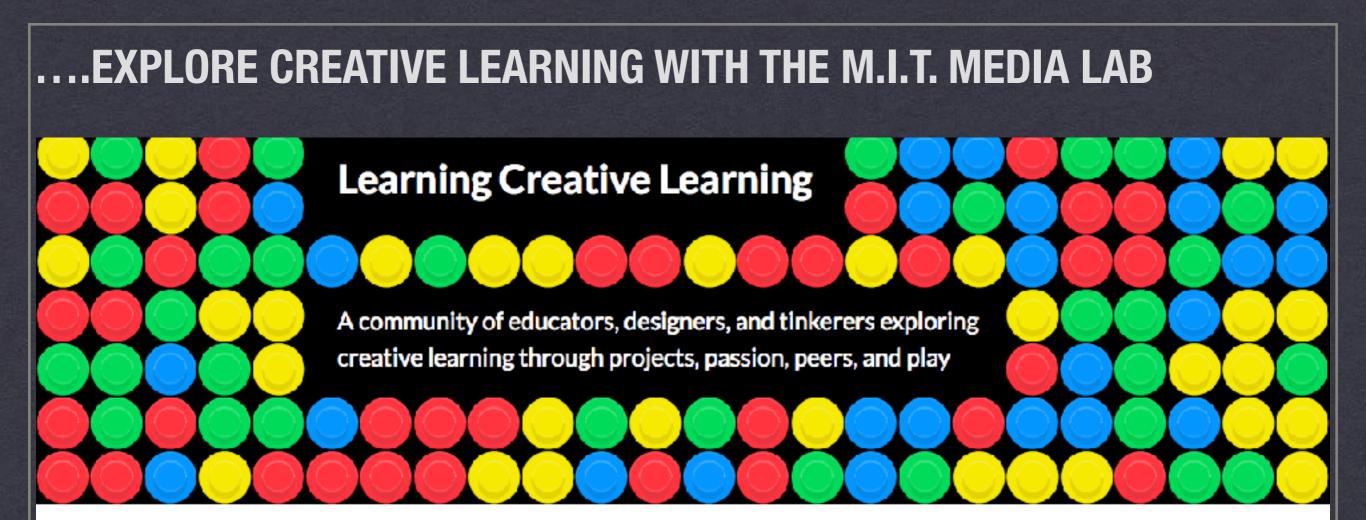


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#### HOUR OF CODE D E

### code.org





First time here?

Get Started

#### Explore Creative Learning!

Week 1 - Introduction

Week 2 - Projects

Week 3 - Passion

Week 4 - Peers

## **LEARN.MIT.EDU/LCL**



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