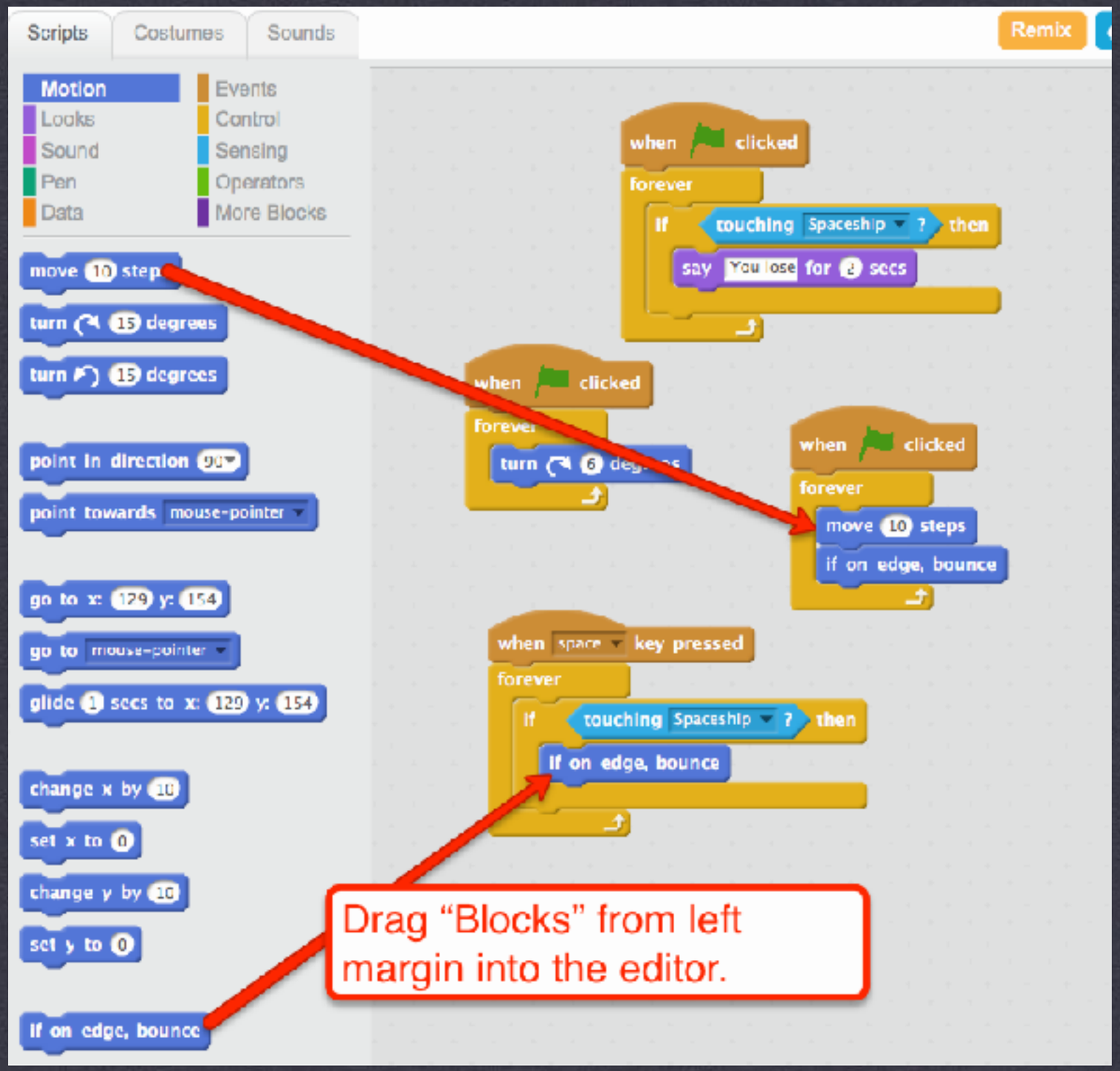
LETS START AT THE VERY BEGINNING…

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

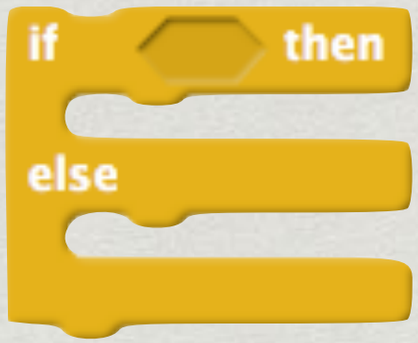
scratch.mit.edu

HOUR OF CODE

code.org

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



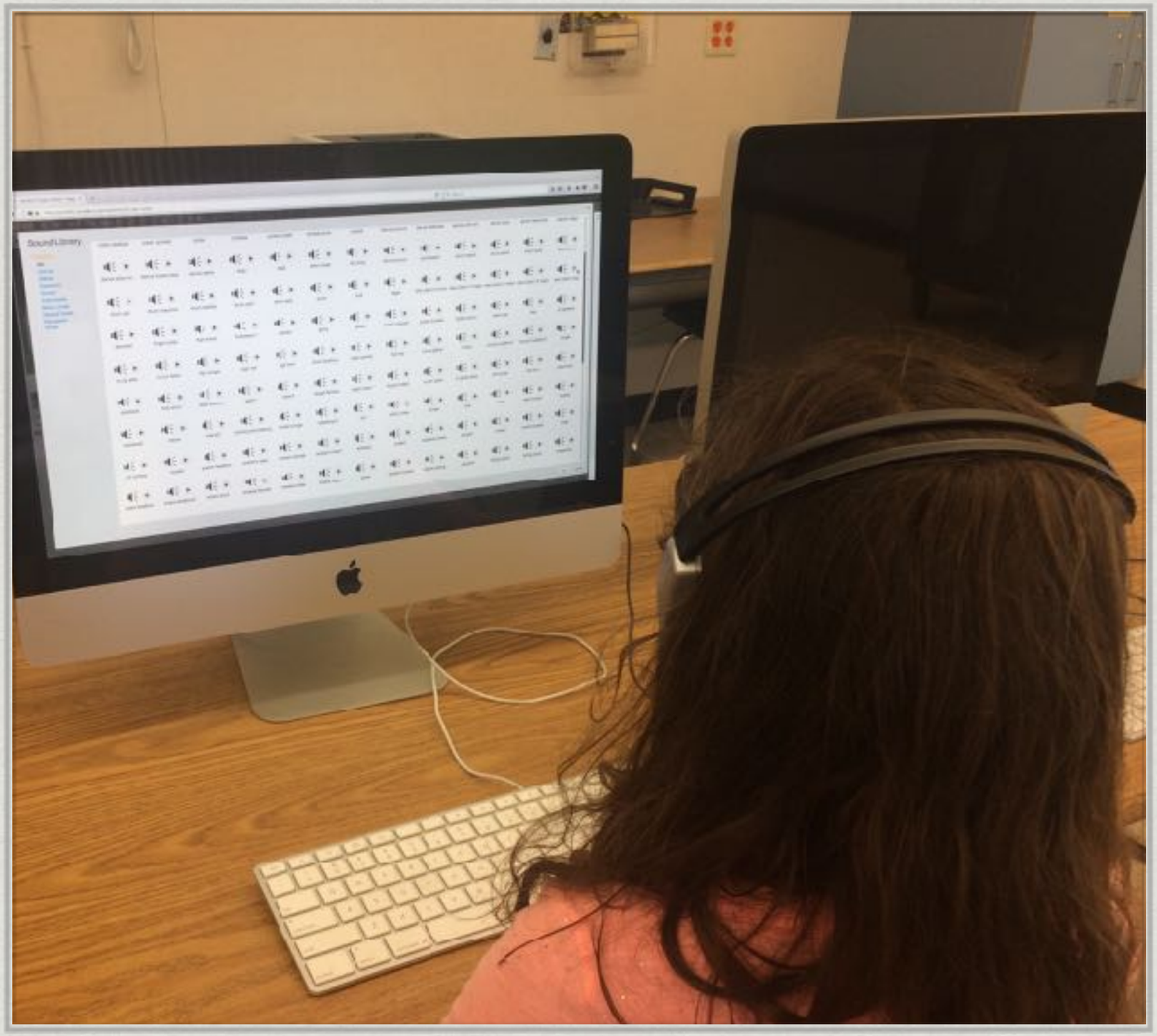
What's NOT so great about block coding?

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

SCRATCH

MY EXPERIENCE TEACHING SCRATCH

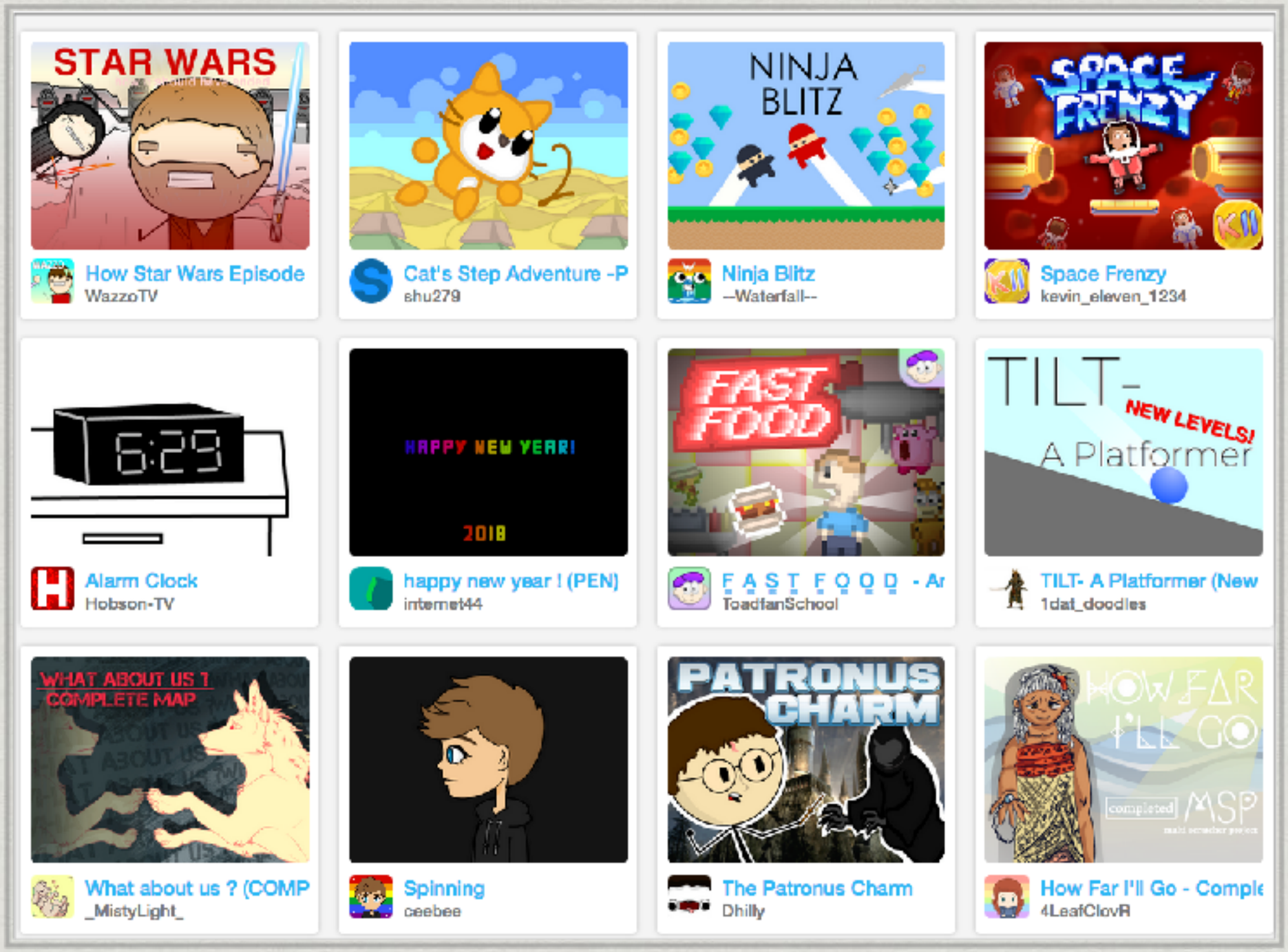
Experimentation



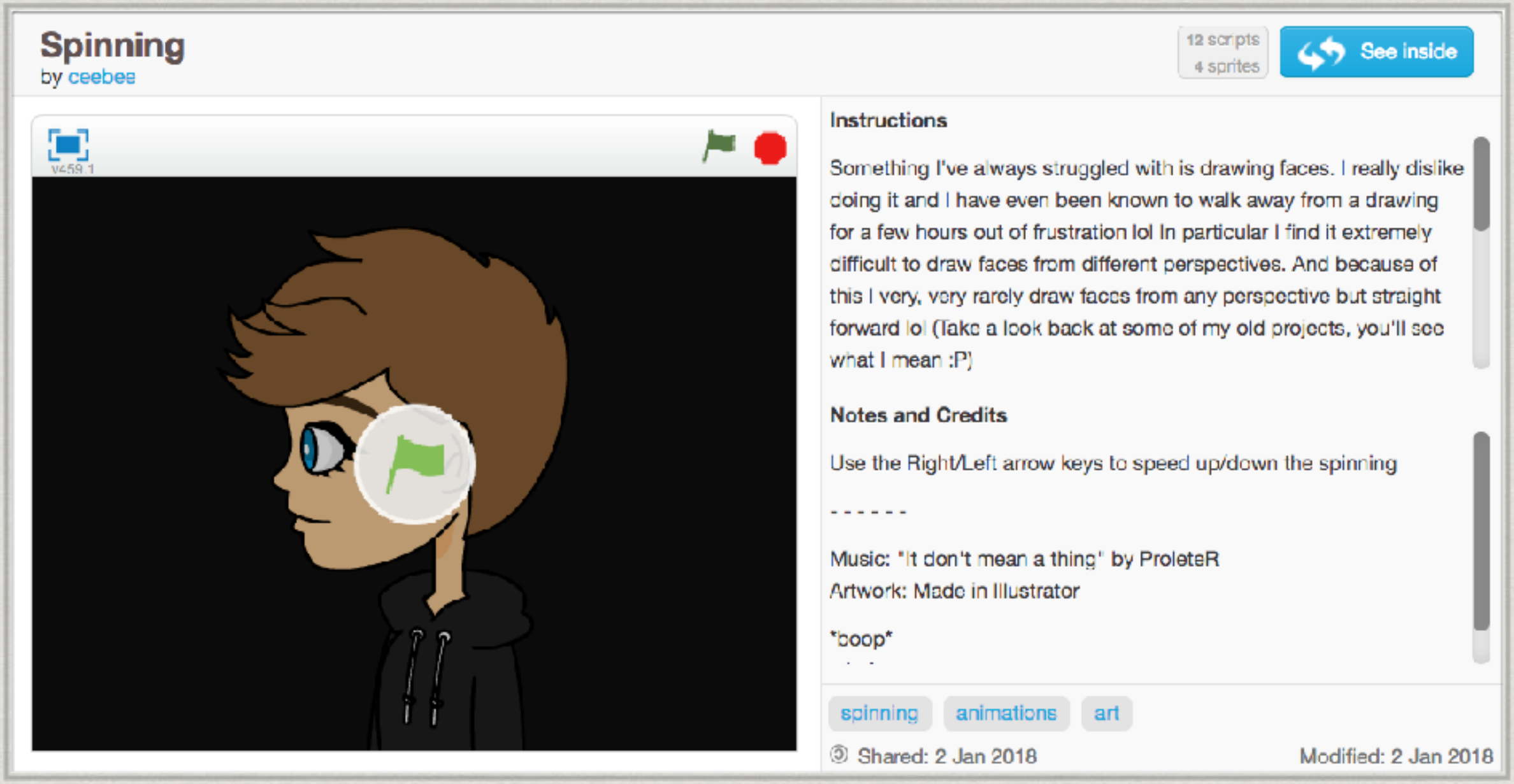
Collaboration

Creativity

Sharing & Remixing



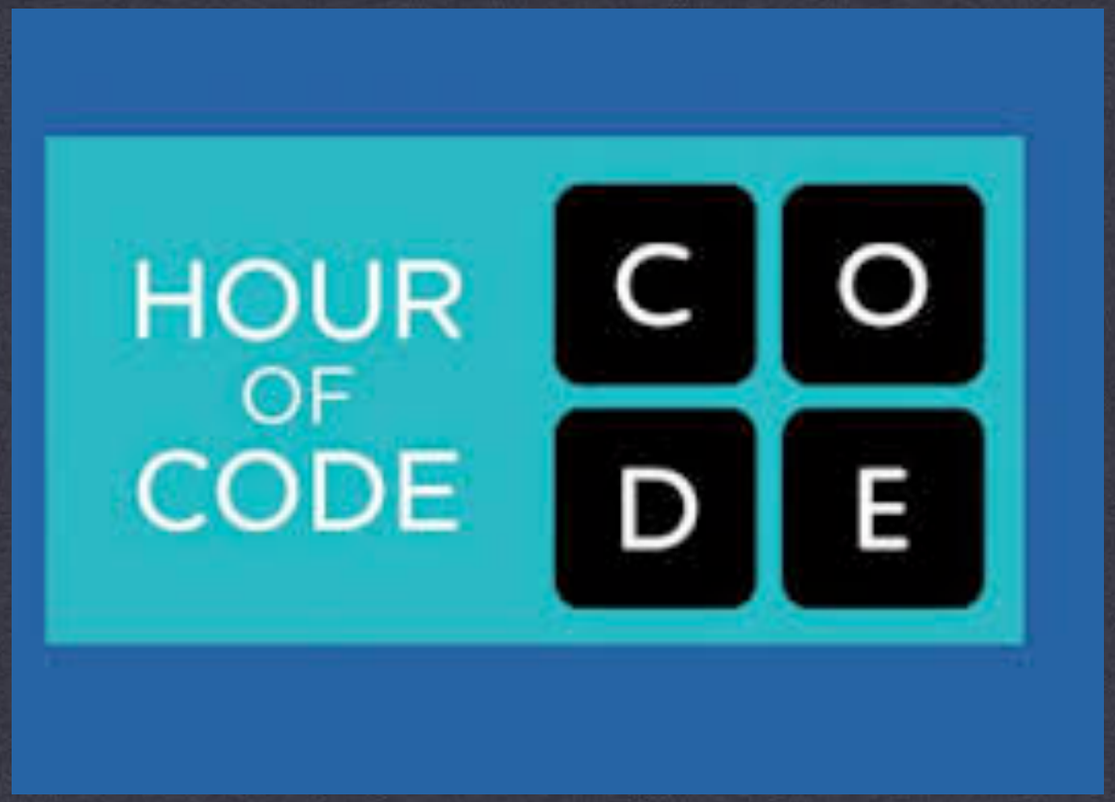
Documentation



“Agency”

LEARN MORE ON YOUR OWN:

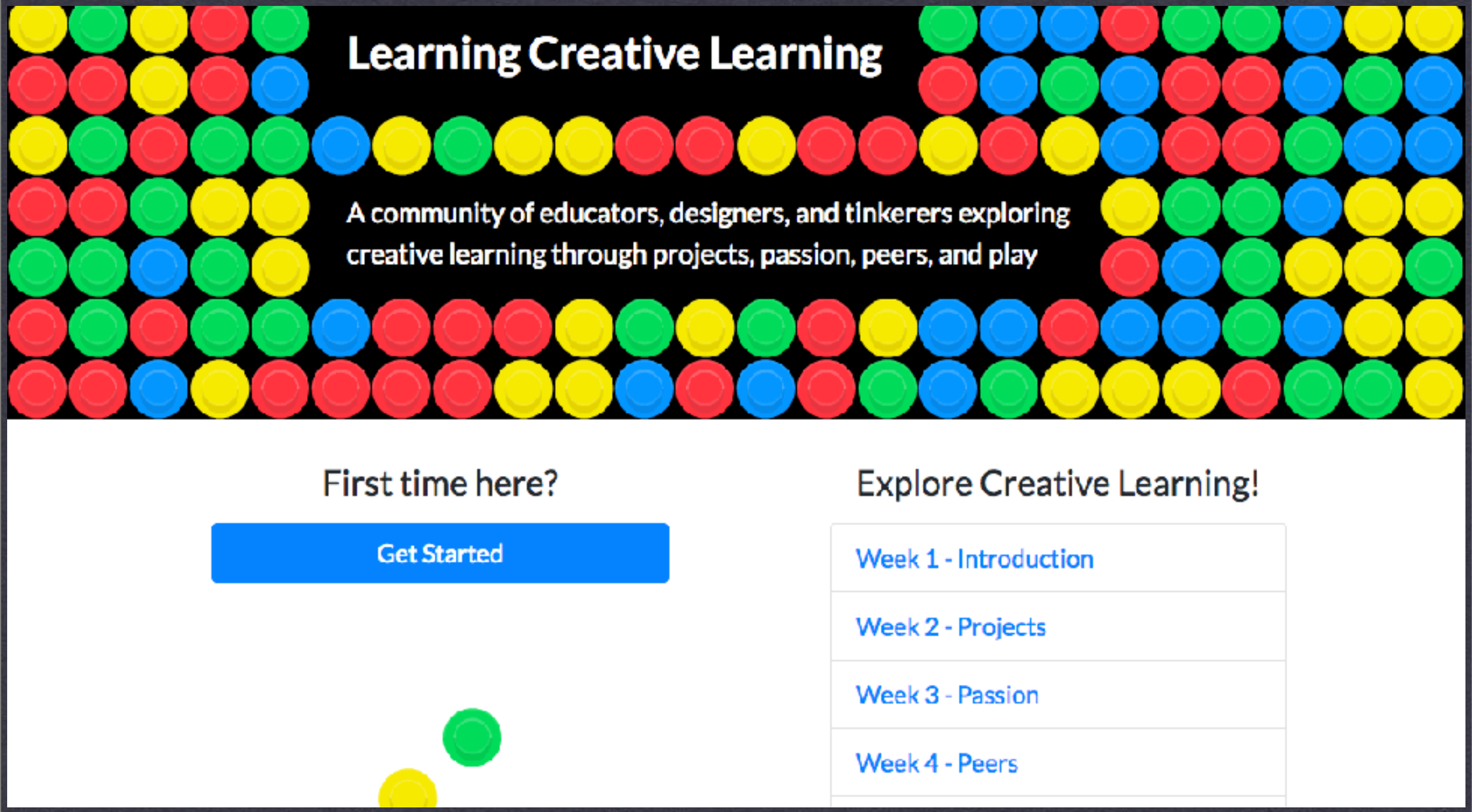
scratch.mit.edu



code.org

Or…

….EXPLORE CREATIVE LEARNING WITH THE M.I.T. MEDIA LAB



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