CoderDojo Athenry "Above all, be cool"



Every week:

✓ Sign in at the door

If you are new:

- ✓ Fill in Registration Form
- ✓ Ask a Mentor how to get started

Make sure you are on the Athenry Parents/Kids Google Group: email coderdojoathenry@gmail.com

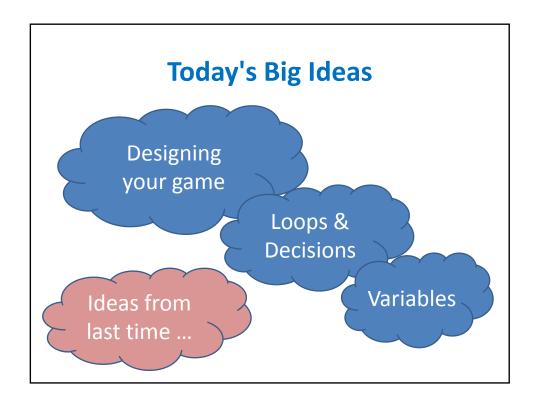
CoderDojo Athenry

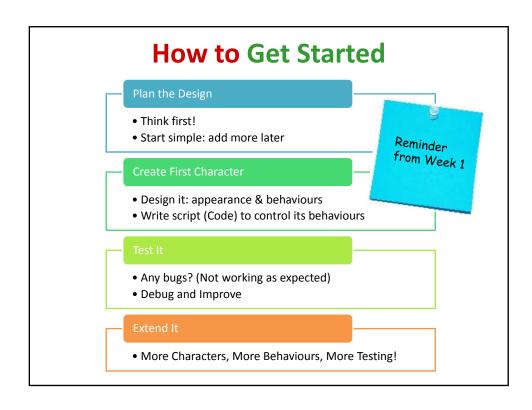
Scratch Beginners

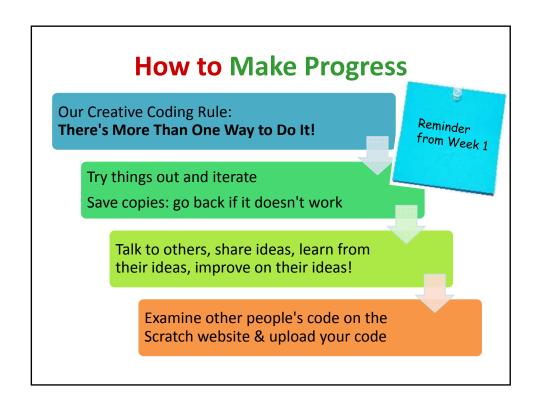


Code and notes by Martha Madden and Michael Madden, 2012

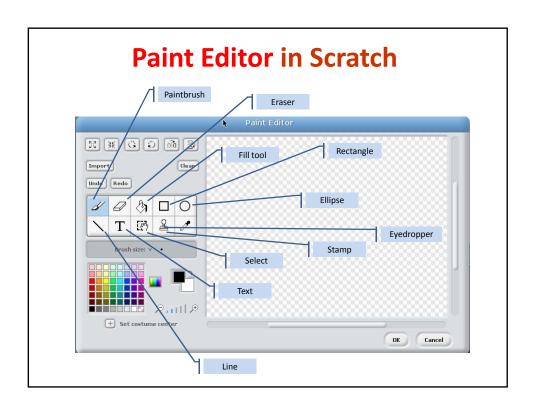


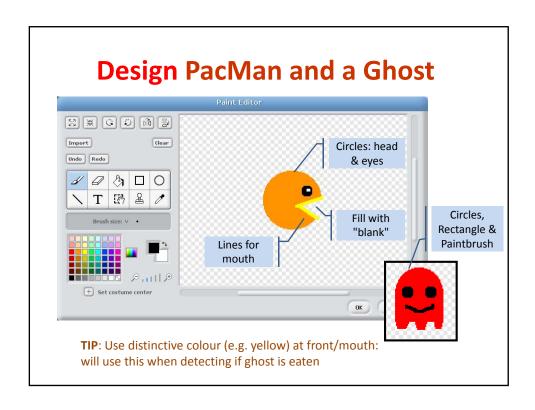


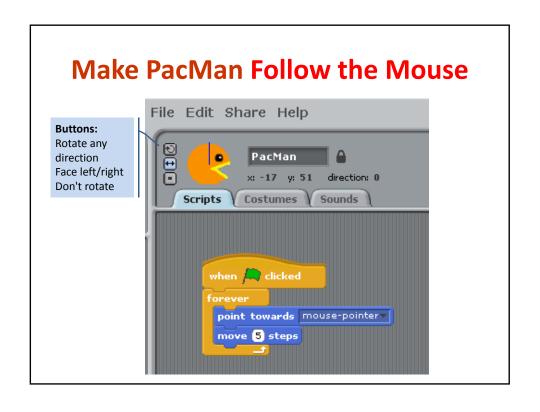








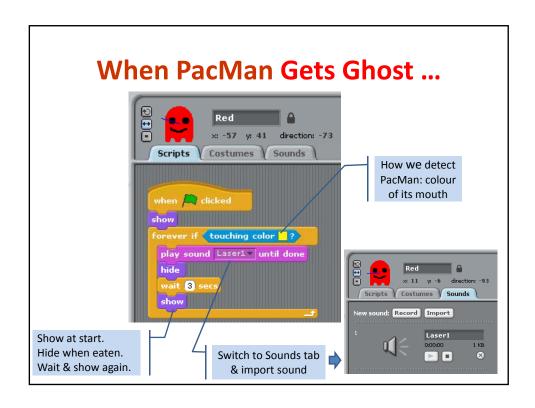


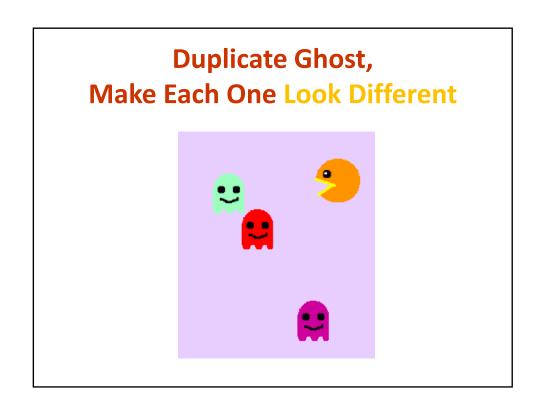




Right-click on a sprite to duplicate it.

Loops and Decisions Key programming concepts Loop: Repeat code multiple times forever repeat 10 Decision: Decide whether or not to do something forever if repeat until





Variables

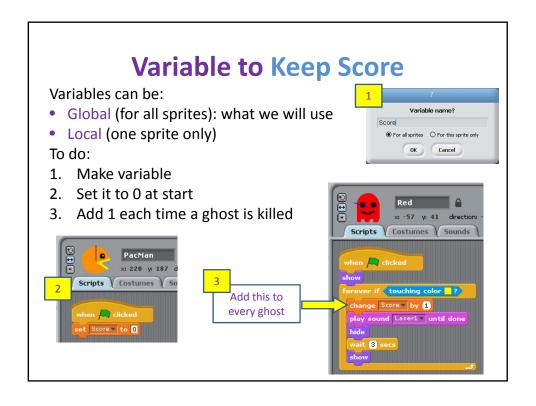
To keep score, need a Variable:

- A key programming concept
- Stores a Value (number/text data): this can vary
- Has a Name this is fixed:
 use this in the code to compare/change values





Score



If You Want to Do More ...

Add Levels:

When you have caught 6 ghosts, make the ghosts go faster

You will need:

Variable for **Speed**, initially 2 Variable for **GhostsCaught**

Code: when **GhostsCaught** = 6, set it back to 0 and increase Speed by 2

If You Want to Do More ...

Make a variable Speed

Set it to 2 at start

Change ghosts to move at that speed

Make variable GhostsCaught

When ghost is caught,
Change by GhostsCaught by 1
(beside where you change Score by 1)

Add code to PacMan:

Set **GhostsCaught** to 0 at start If **GhostsCaught** is 6

- Change back to 0
- Increase **Speed** by 2





