# 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

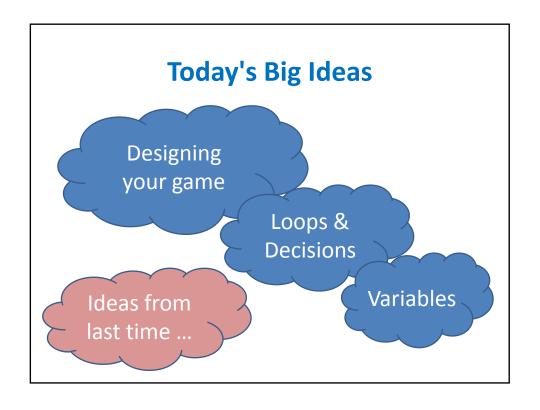
# **CoderDojo Athenry**

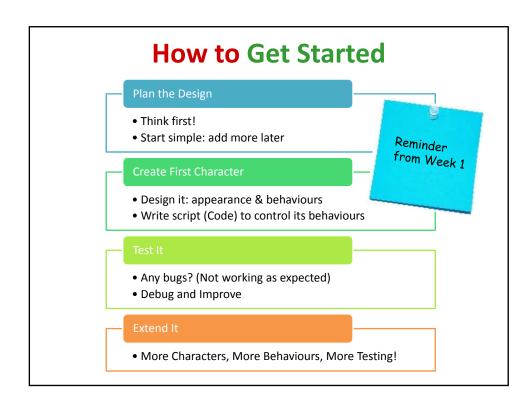
**Scratch Beginners** 

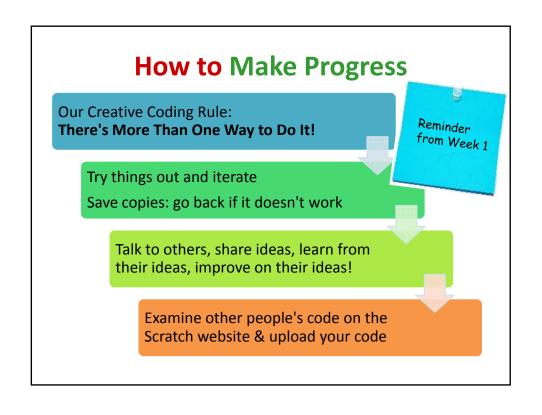


Code and notes by Martha Madden and Michael Madden, 2012

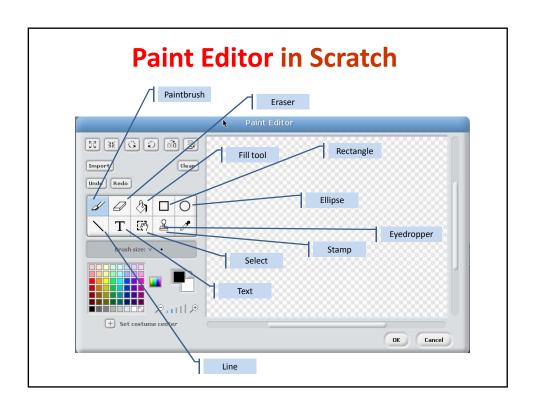


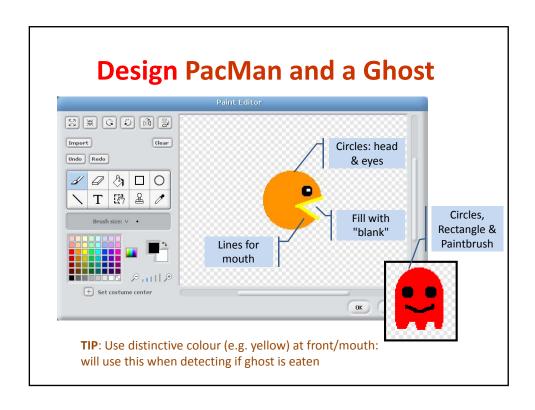


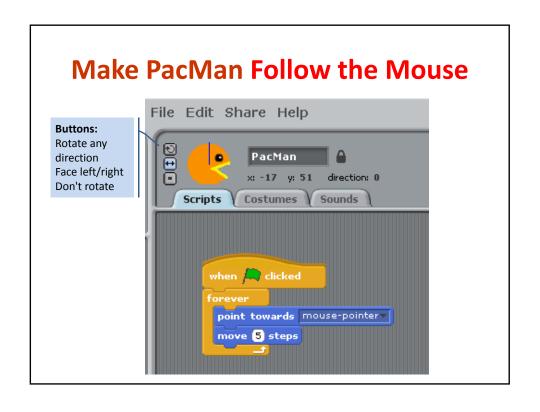








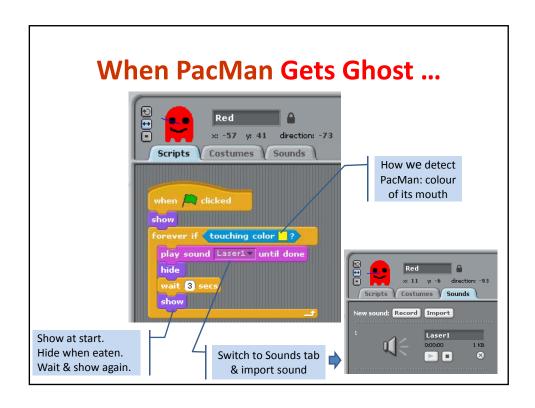


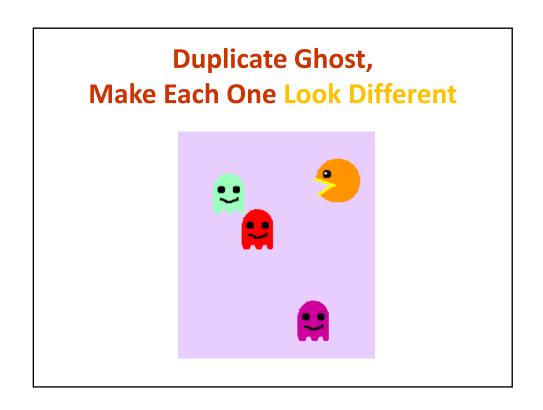




Right-click on a sprite to duplicate it.

# 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**

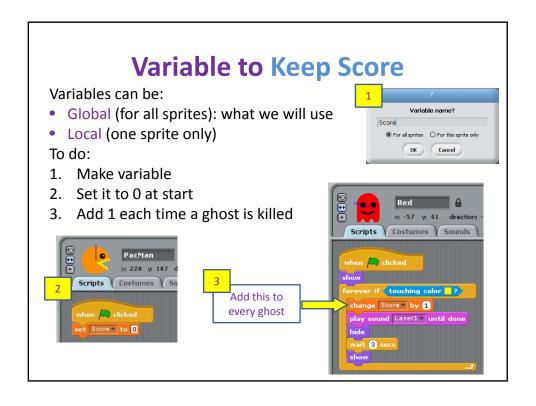
To keep score, need a Variable:

- 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





