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

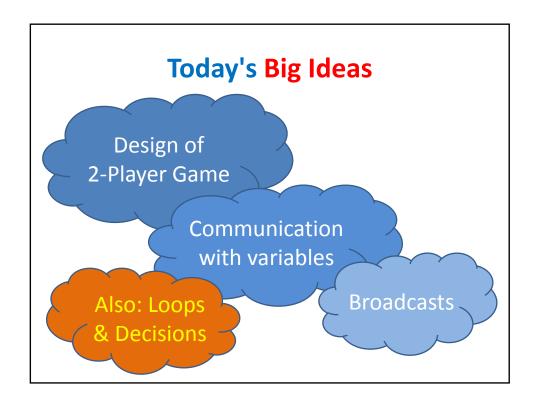
CoderDojo Athenry

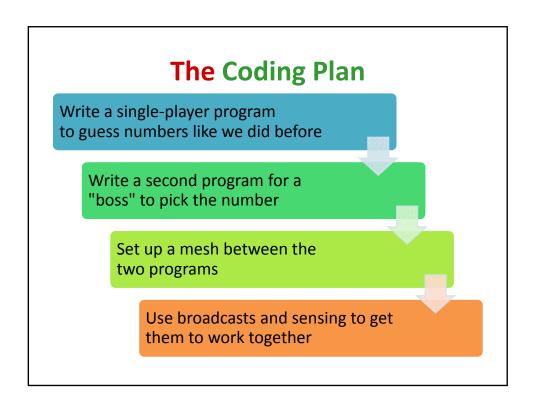
Scratch Beginners

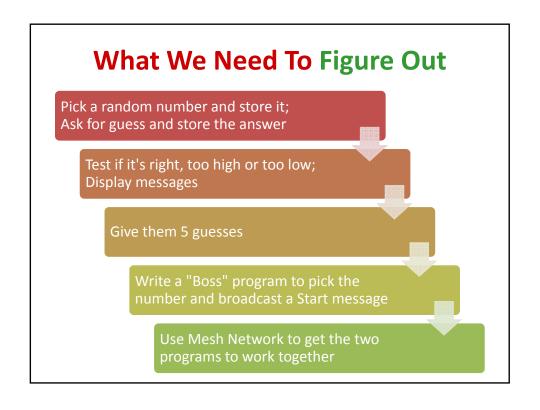


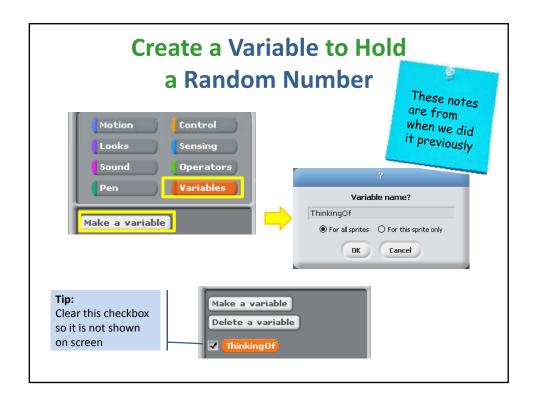
Code and notes by Michael Madden, 2013

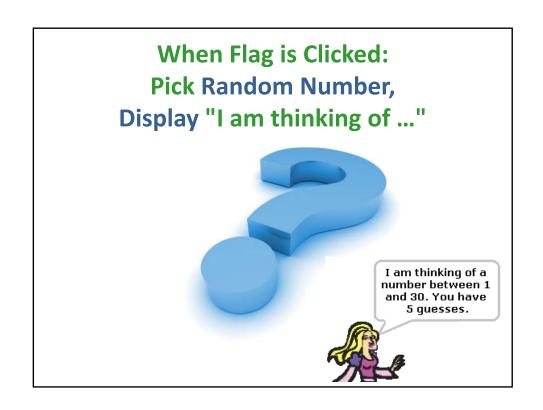






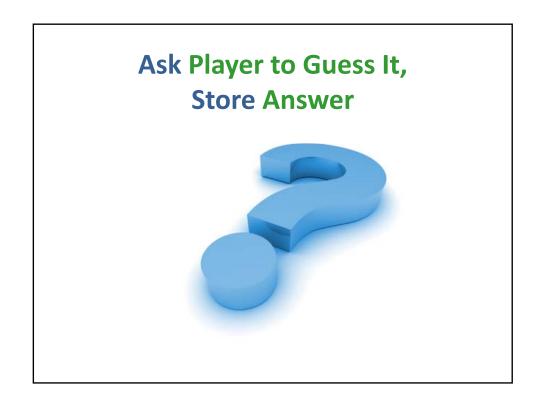




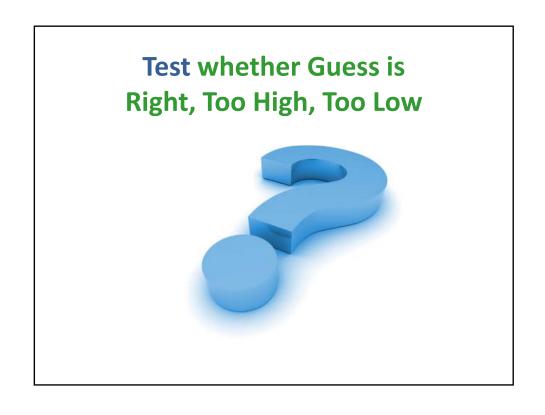


```
When Flag is Clicked:
Pick Random Number,
Display "I am thinking of ..."

when clicked
set Thinking of to pick random 1 to 30
say I am thinking of a number between 1 and 30. You have 5 guesses. for 3 secs
```







Test Whether Guess is Right, Too High, Too Low

```
if Guess = ThinkingOf

say That's CORRECT! for 2 secs

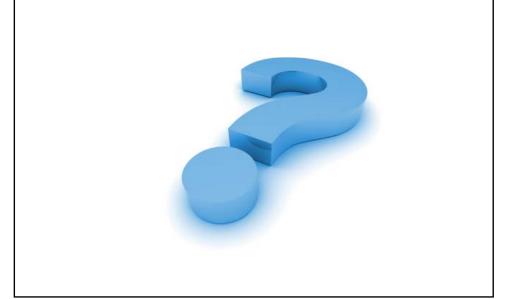
stop all

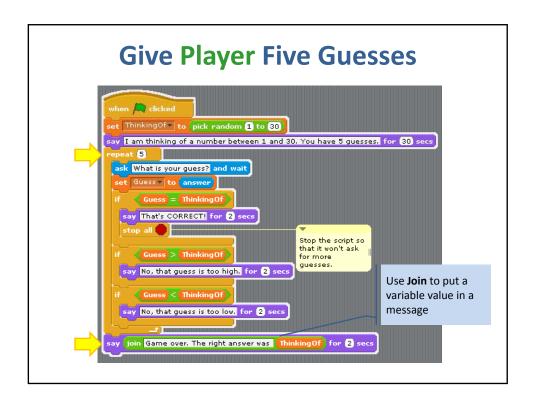
if Guess > ThinkingOf

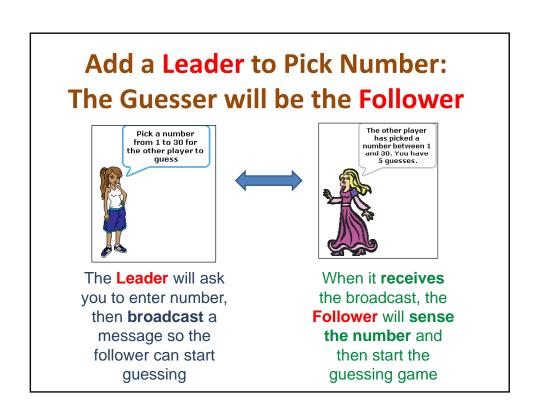
say No, that guess is too high. for 2 secs
```

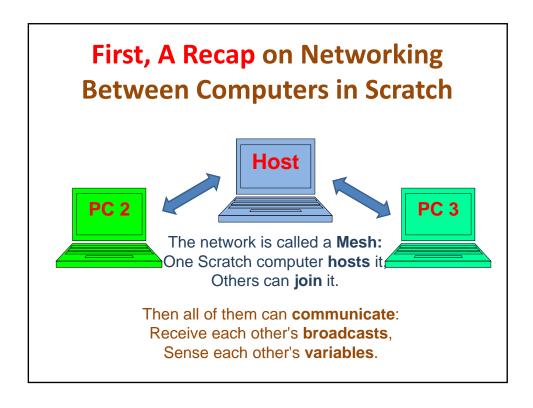
You need to complete this ...

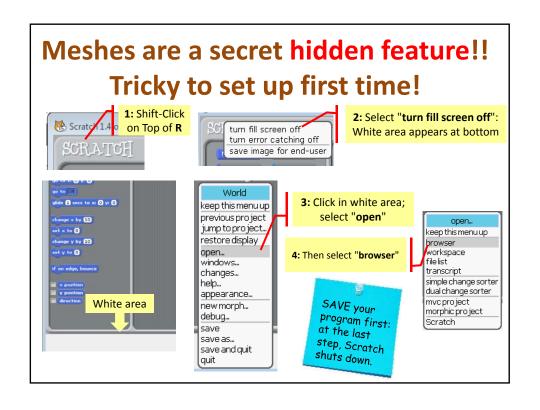
Give Player Five Guesses

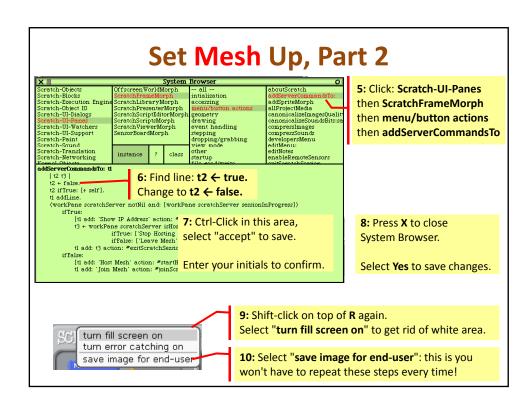


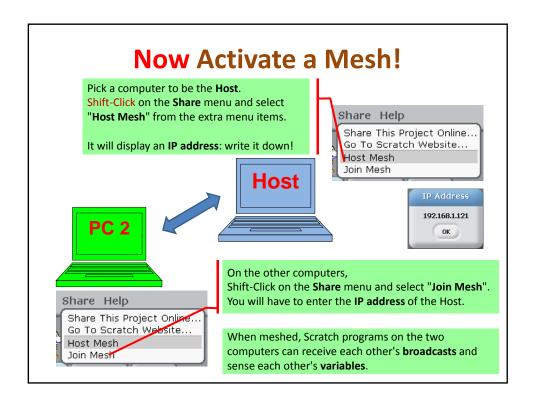












Code for the Leader: Very Short!



Ask for a number, store it in 'NumberPicked', and broadcast "Guess" to tell the Follower to start guessing.

```
when space very pressed

ask Pick a number from 1 to 30 for the other player to guess and wait

set NumberPicked very to answer

broadcast Guess very
```

Code for Follower: Just Modify the Start of the Guessing Game



The follower now starts when it receives **broadcast**, **senses value** of 'NumberPicked', and **says** a different message. Everything else is the same.

```
when I receive Guess set ThinkingOf to NumberPicked sensor value say The other player has picked a number between 1 and 30. You have 5 guesses. for 5 secs repeat 5 ask What is your guess? and wait
```

More Features You Can Add...

1. Sound Effects

Go to sprite's Sound tab, import sounds Add commands to play sounds

2. Timer

Add another variable called Timer.

Add another block:

When flag is clicked, set it to 60

Repeat until 0: change by -1, wait a second

Time up: stop all scripts.

3. Display the Result to the Leader

Broadcast when Follower is finished Add code to Leader to see if right answer guessed

4. Animation

What can you think of?

At the End ... Upload your project to the Scratch Website user: **cdathenry** password: CRATCH ## 🔡 🏠 File Edit Share Help (3 年 23 米) Access it Red GhostB Upload to Scratch Server (scratch.mit.edu) from home Your Scratch website login name: cdathenry Password: Improve it GhostBuster-V1 Project note is: Animation Music Art Simulation Game Story Written by Michael M for CoderDojo Athenry Show your friends! o to x: -57 y: 41 glide 1 secs to x: -57 hange x by 10 OK Cancel