

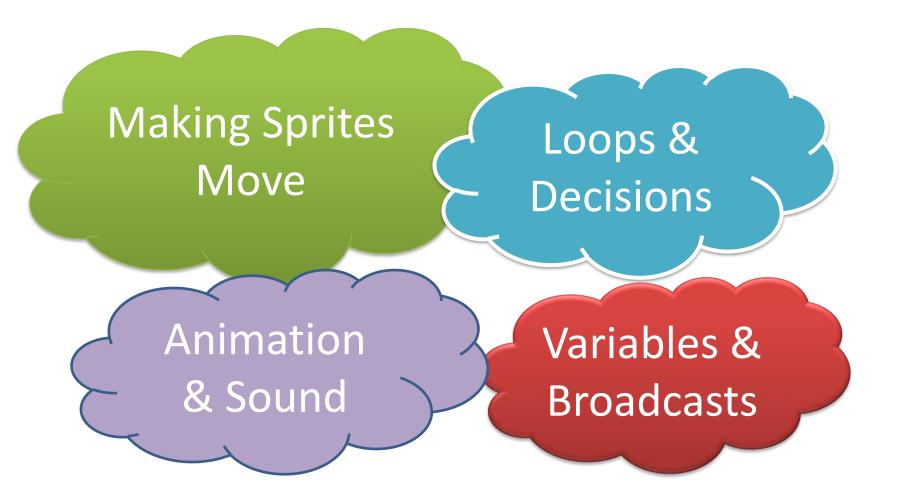


Code and Notes by Martha Fahy, 2022

Today's Ninja Challenge: Make a Game Maths Game

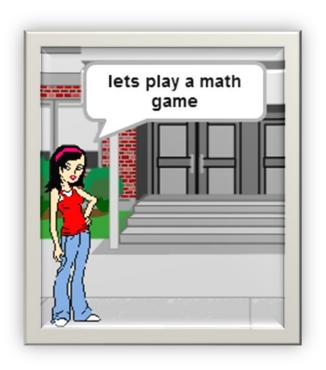


Our Big Ideas that We will use



Design your Sprites

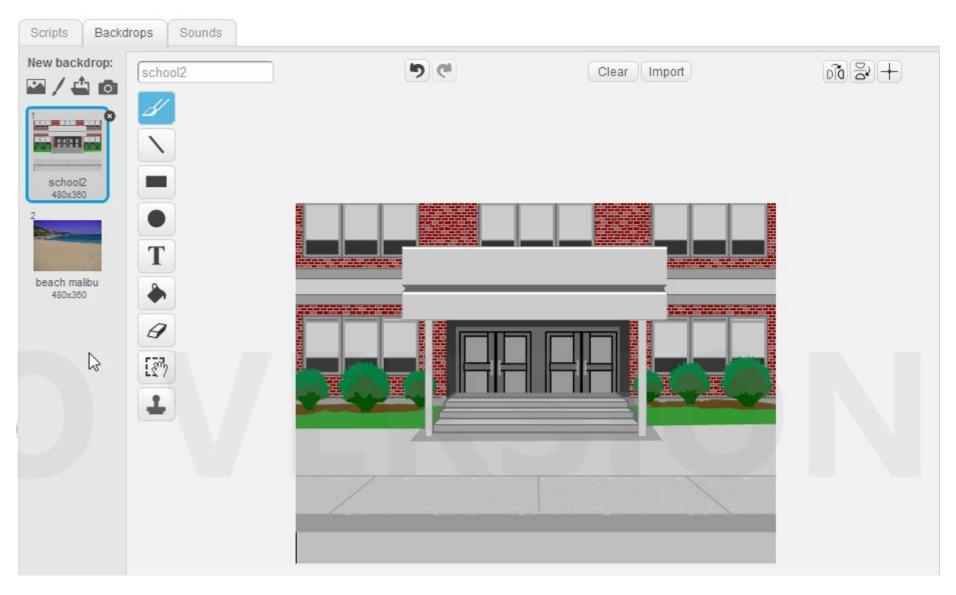
First Sprite will ask the questions



Second Sprite will grow/change depending on answer



Select your Backgrounds



Create First Two Variables

Score

Level



Code for Sprite 1 to ASK Questions....



```
when clicked

go to x: -140 y: -43

set score to 0

set level to 1

say lets play a math game for 2 secs

ask What level do you want, enter 1 or 2 and wait

set level to answer
```

Code for Sprite 1 to Set Math Questions....



Code for Sprite 1 when it receives Right/Wrong answers..



```
if answer = number1 + number2 then

say You got it right, yay! for 2 secs

broadcast correct answer

else

say Sorry, that is wrong for 2 secs

broadcast wrong answer
```

Note: repeat by 5....why?

Code for Sprite 2 ...



- **Switch Costume**
- **Set Size**
- *React to Right or Wrong answer





Code for Sprite 2 ...



```
when clicked

switch costume to jpg_0790-Happy-Yellow-Star-Smiling2

set size to 10 %

when I receive correct answer v

change score v by 1

change size by 25

when I receive wrong answer v

switch costume to sad_star v

stop all v
```



Code for Backgrounds...



SAVE & SHARE!

Upload to the Scratch Website

Scratch.mit.edu

Username: ExplorersAthenry

Password: athenry2022