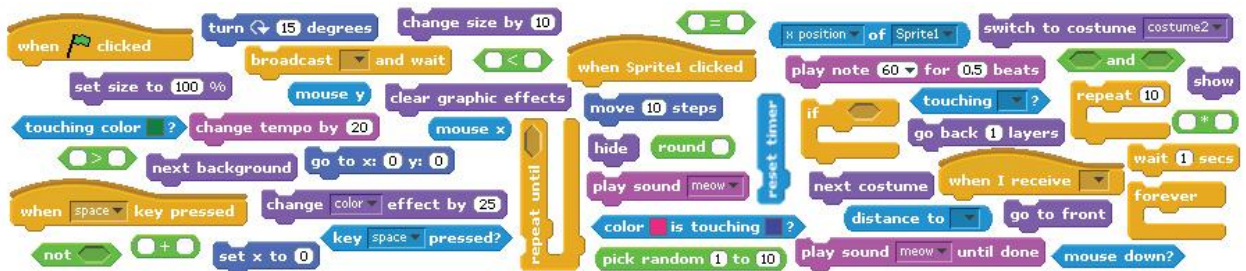


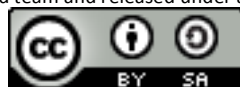
CoderDojo Bray

Writing games and animations with MIT Scratch

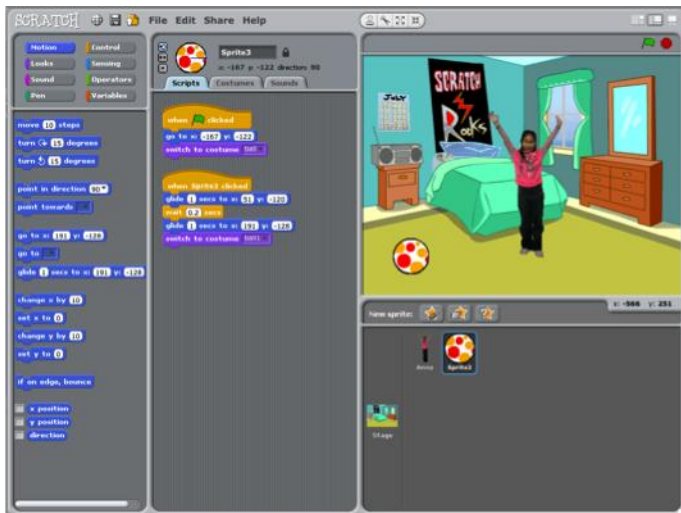
This lives online here: <http://goo.gl/zn4XC>



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ABOUT ME



How can you combine interesting images and sounds to make an interactive collage about yourself?

STEP BY STEP...

1. Add a sprite



paint your own sprite

choose a downloaded or library sprite

get a surprise sprite

2. Make it interactive



make your sprite interactive by adding scripts that have the sprite respond to clicks, key presses, and more

3. Repeat!

BLOCKS TO PLAY WITH...



DANCE PARTY



Create your own interactive dance party where sprites get down with cool costumes and funky beats.

STEP BY STEP...

1. Add a sprite



paint your own sprite

choose a downloaded or library sprite

get a surprise sprite

2. Make it interactive

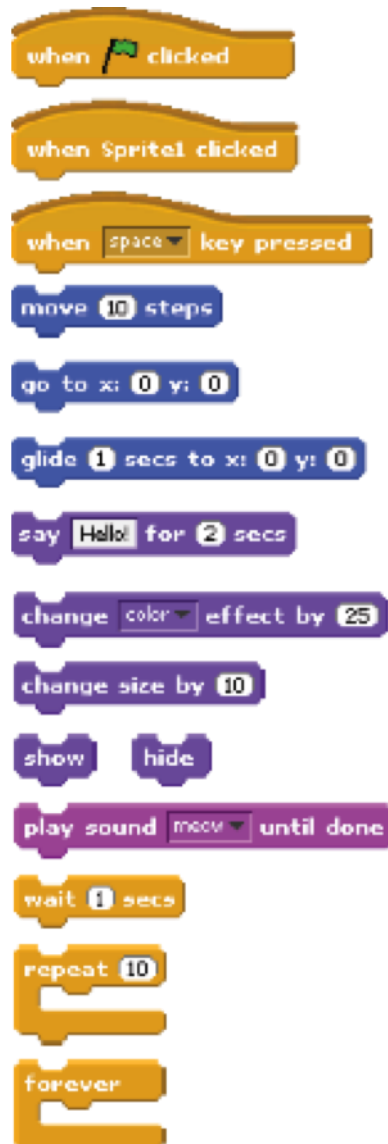


snap blocks together to make your sprite dance

make your sprite interactive by adding scripts that have the sprite respond to clicks, key presses, and more

3. Repeat!

BLOCKS TO PLAY WITH...



ARTS

Here are some blocks that can be useful in arts-themed projects.

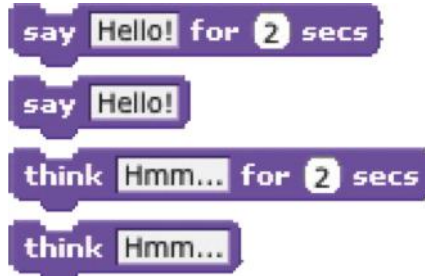
WAIT

Insert a pause



SAY/THINK

Have a speech or thought bubble appear over a sprite



SOUNDS

Play recorded and synthesized audio



VISIBILITY

Make a sprite appear or disappear



LOOP

Repeat stacks of blocks



RANDOM

Get a computer-generated number from a specified range



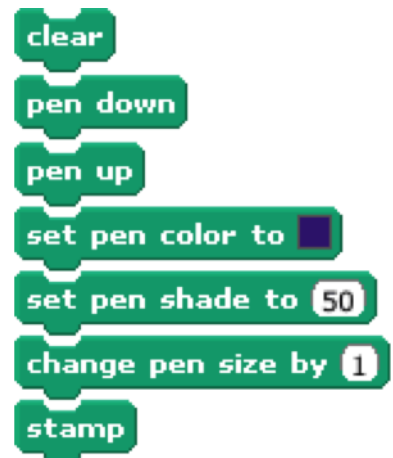
KEY PRESS

Make a sprite respond when different keys are pressed

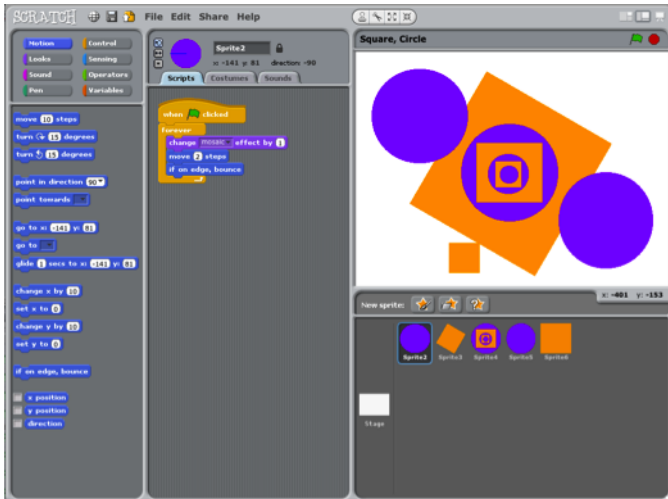


PEN

Leave visual lines and sprite stamps on the stage

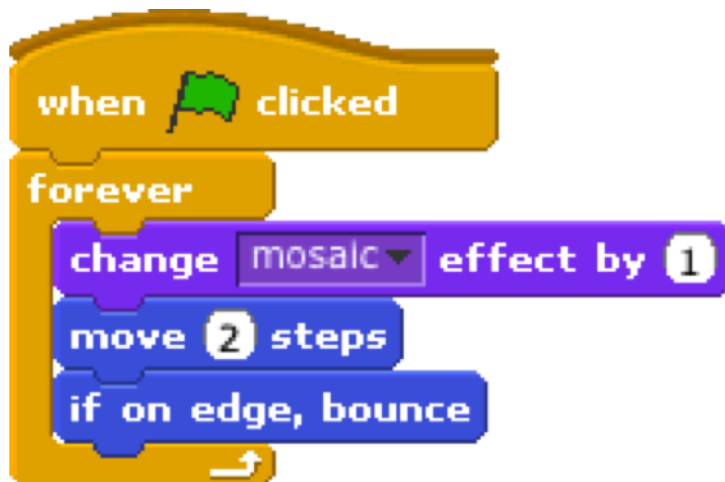
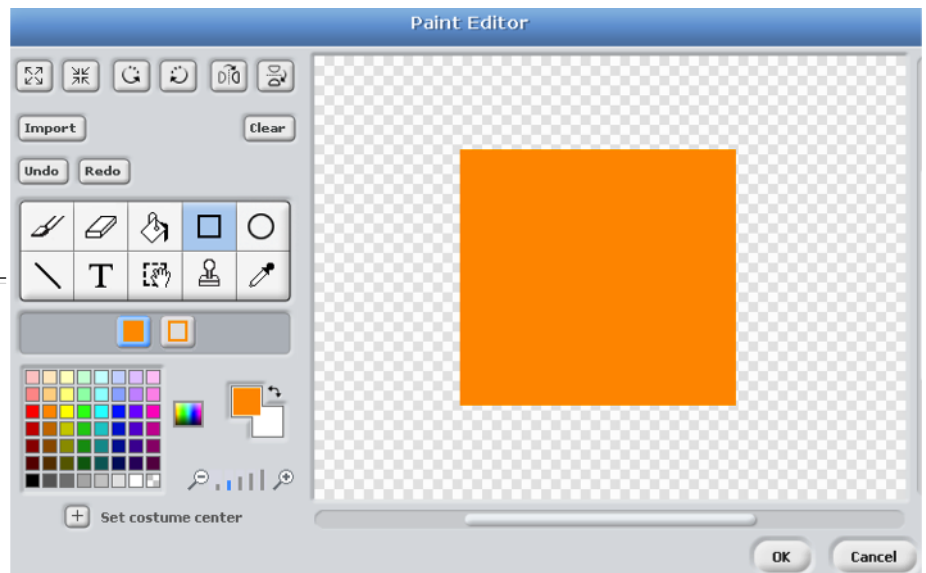


SQUARE, CIRCLE



What project can you create that includes an orange square and a purple circle?

use the paint editor to design sprites that incorporate an orange square and a purple circle



experiment with different motion and looks blocks to bring your sprites to life

BUILD-A-BAND



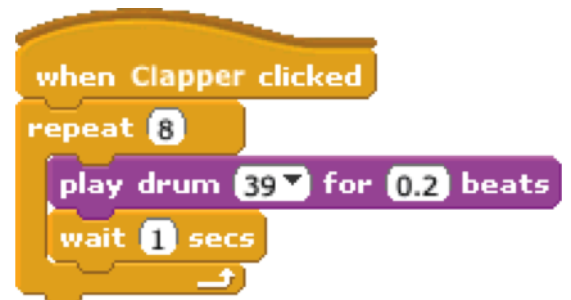
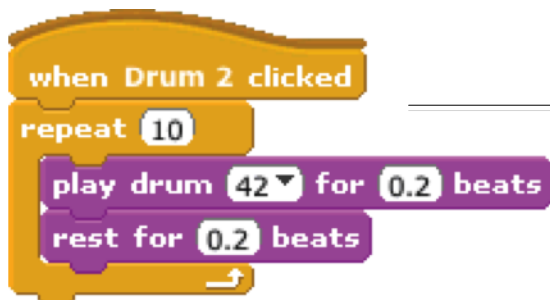
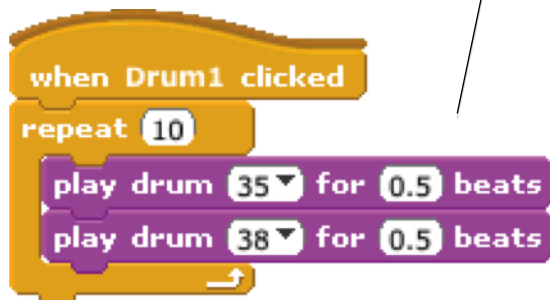
Create your own musical group by pairing sprites with sounds to make interactive instruments.



no scripts

use the repeat block to make a sound play more than once

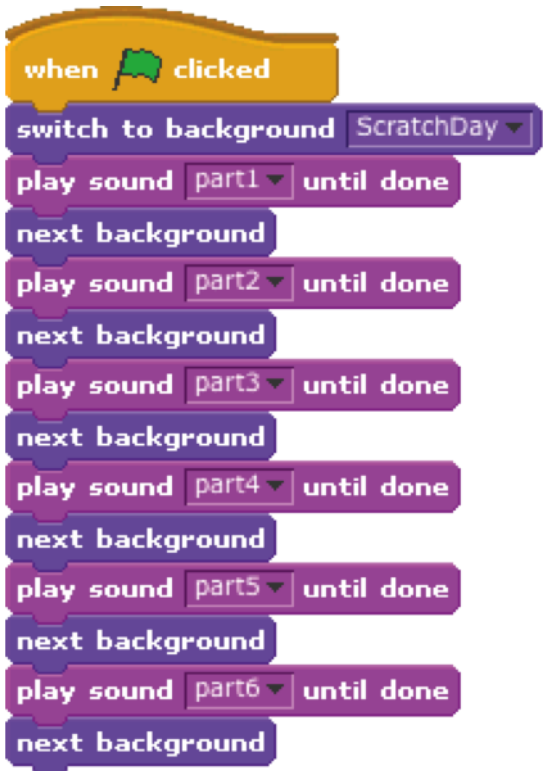
experiment with different music and beats, or import your own sounds



SLIDESHOW



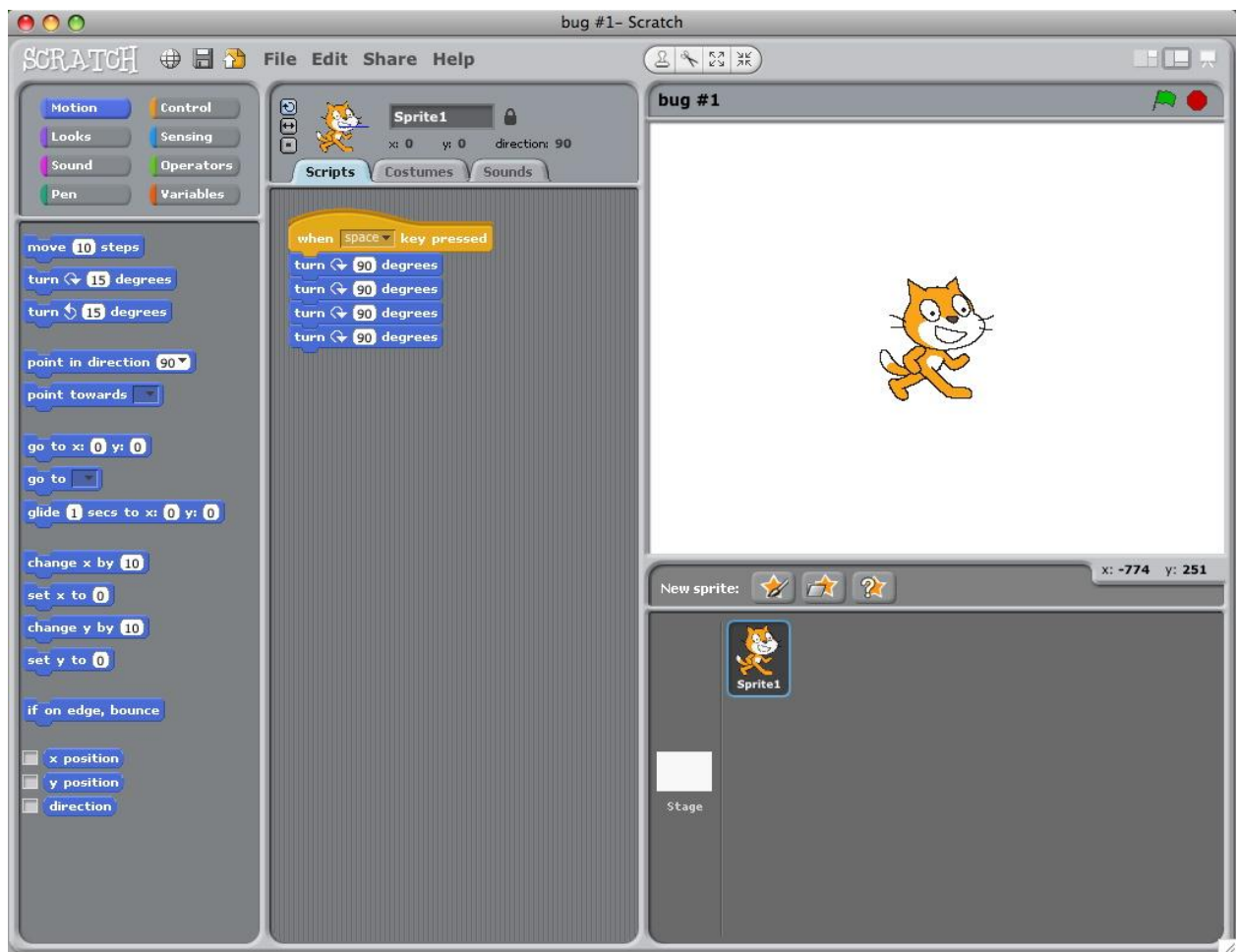
Create your own slideshow – a collection of background images accompanied by audio narration.



record your narration right in Scratch with the sound recorder

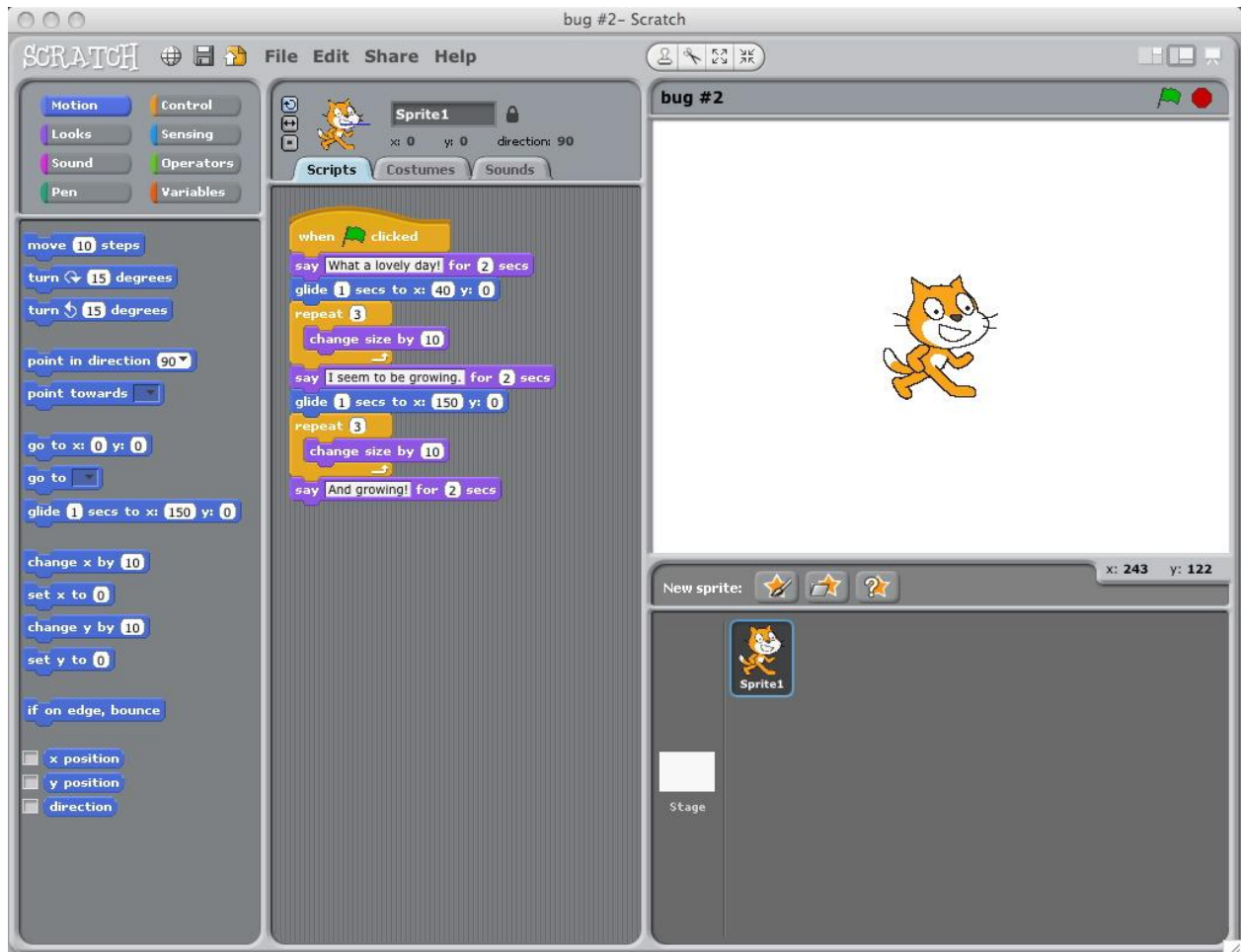
BUG #1

Farooq wants his cat to rotate when he presses the space bar. But the cat isn't moving!
What's going on?

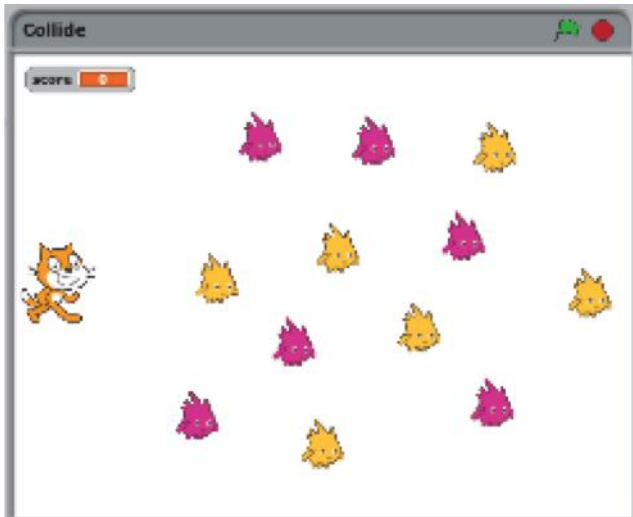


BUG #2

Michelle wants the cat to start in the middle of the stage, then move across the stage and grow. It works the first time she clicks the green flag – but not when she clicks it again!
What's going on?



COLLIDE



Help the cat navigate a field of Gobos. Collect yellow gobos to earn points, avoid pink gobos to avoid losing points.

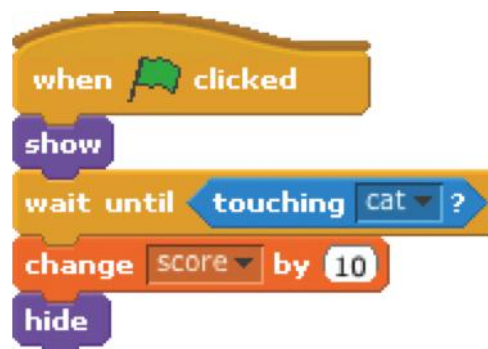
no scripts



reset the cat's position and the score



when the cat collides with a yellow gobo, the gobo disappears and the score increases by 10



when the cat collides with a pink gobo, the gobo disappears and the score decreases by 10

