Conversations with Scratch Educators

Scratched Webinar Series
Wednesday, June 27, 2012
7pm – 8pm EST
Ingrid Gustafson, Janet Dee, Lorraine Leo, hosted by Karen Brennan

Ingrid Gustafson

Janet Dee

Lorraine Leo

Who are you?

How have you been working with Scratch?

What's been awesome about working with Scratch?

What's been challenging about working with Scratch?

What advice do you have for a teacher who is

(or wants to be) working with Scratch?

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Wynken, Blynken, and Nod

arranged by David Coffin

sung by fifth graders

Hi my name is Nathan!

Tiger

I'm a tiger
Striped with fur
Don't come near
Or I might Grrr
Don't come near
Or I might growl
Don't come near
Or I might
BITE!

by Mary Ann Hoberman

Direct Students to Online Scratch Resources

http://resources.scratchr.org/

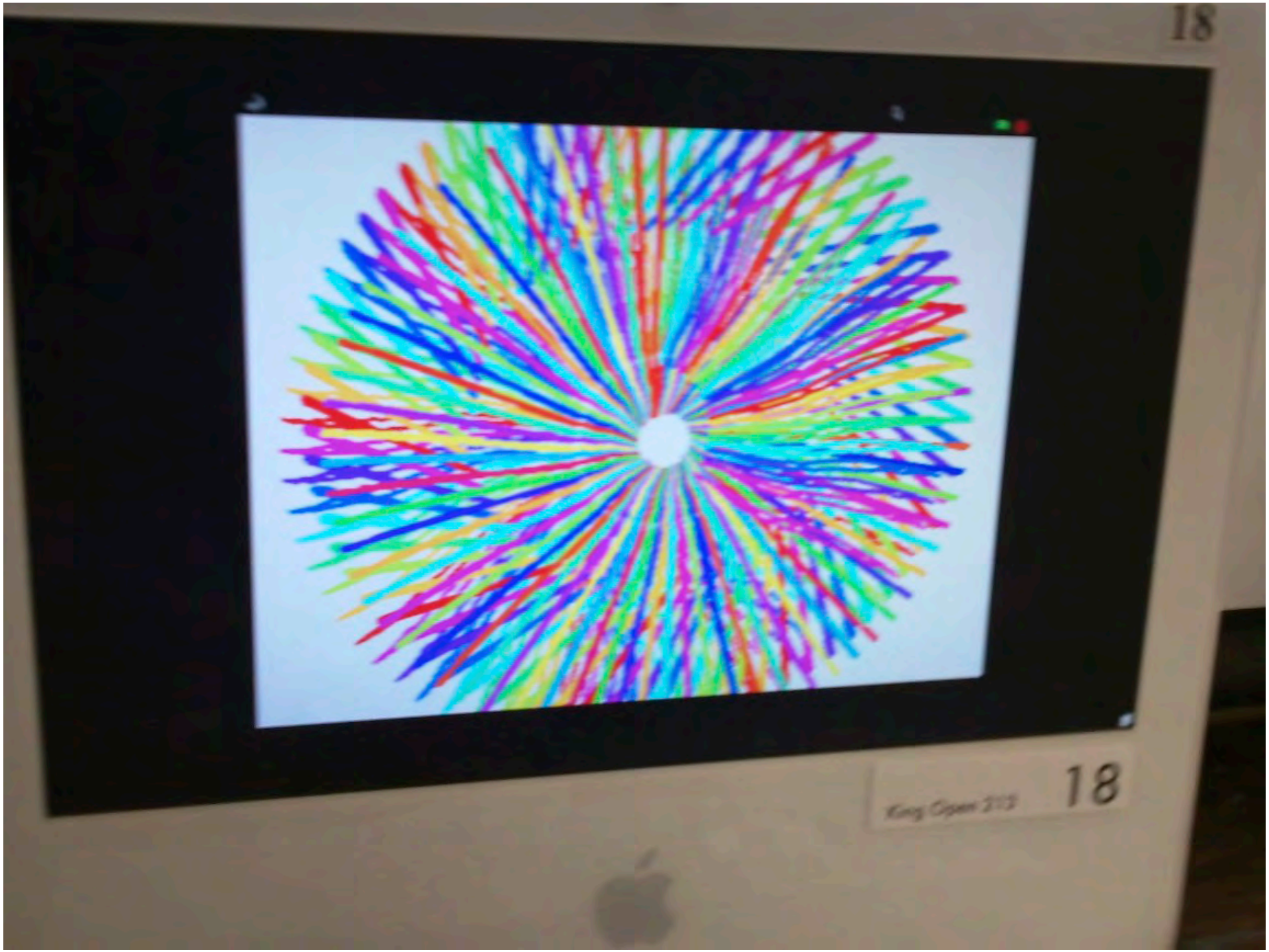
Help Links
Tutorials
Videos
Wiki
Support

Media Files to Share
Sprites
Scripts
Sounds
Backgrounds

Encourage Original Sprites

Avatar created using www.doppleme.com and Scratch Paint Editor

Stage and five sprites created using Scratch Paint Editor


18
18

M.I.T.
ENGINEERS
M
A
T
H
E
W

9
RED
FOX

moodle

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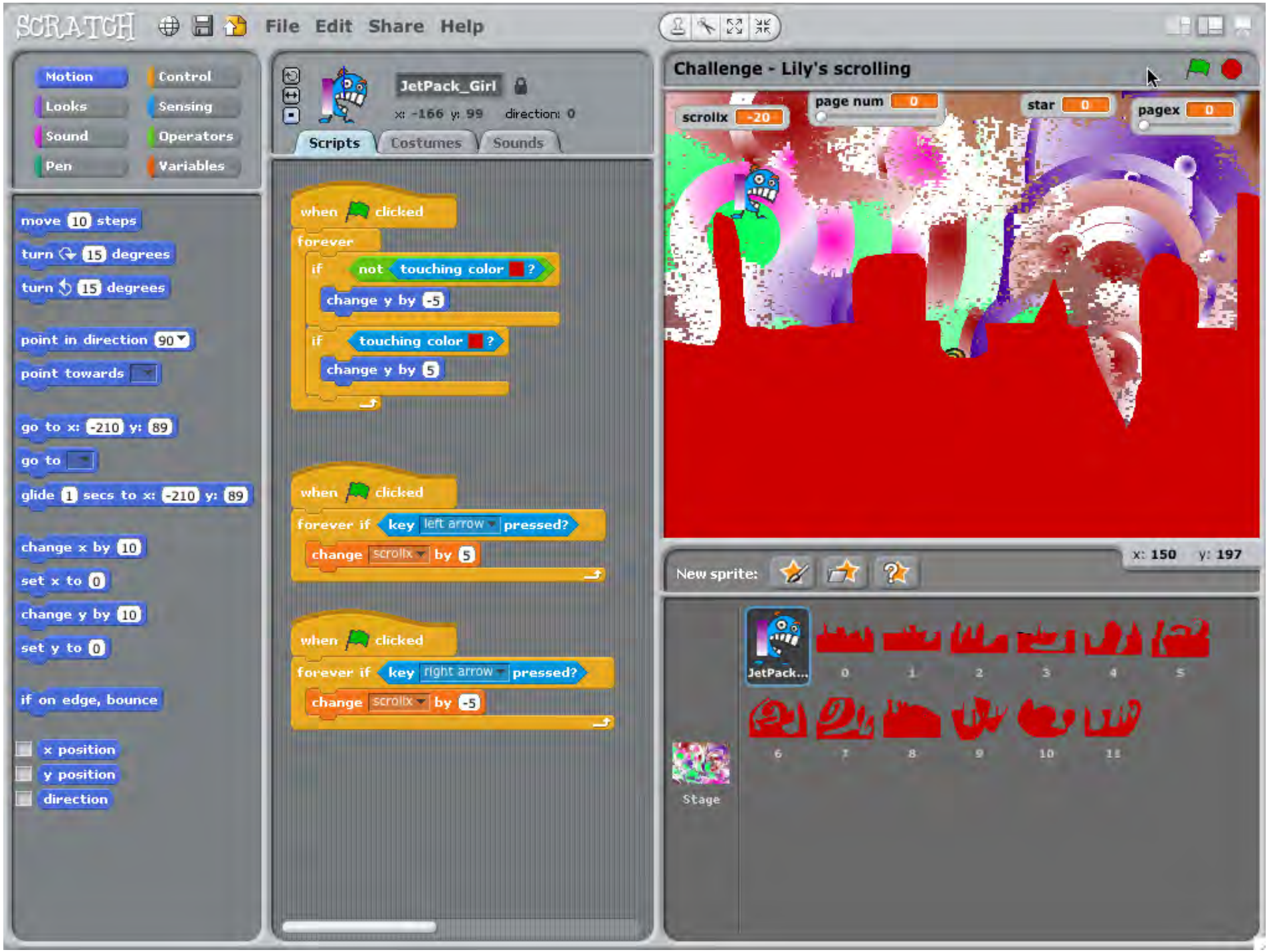
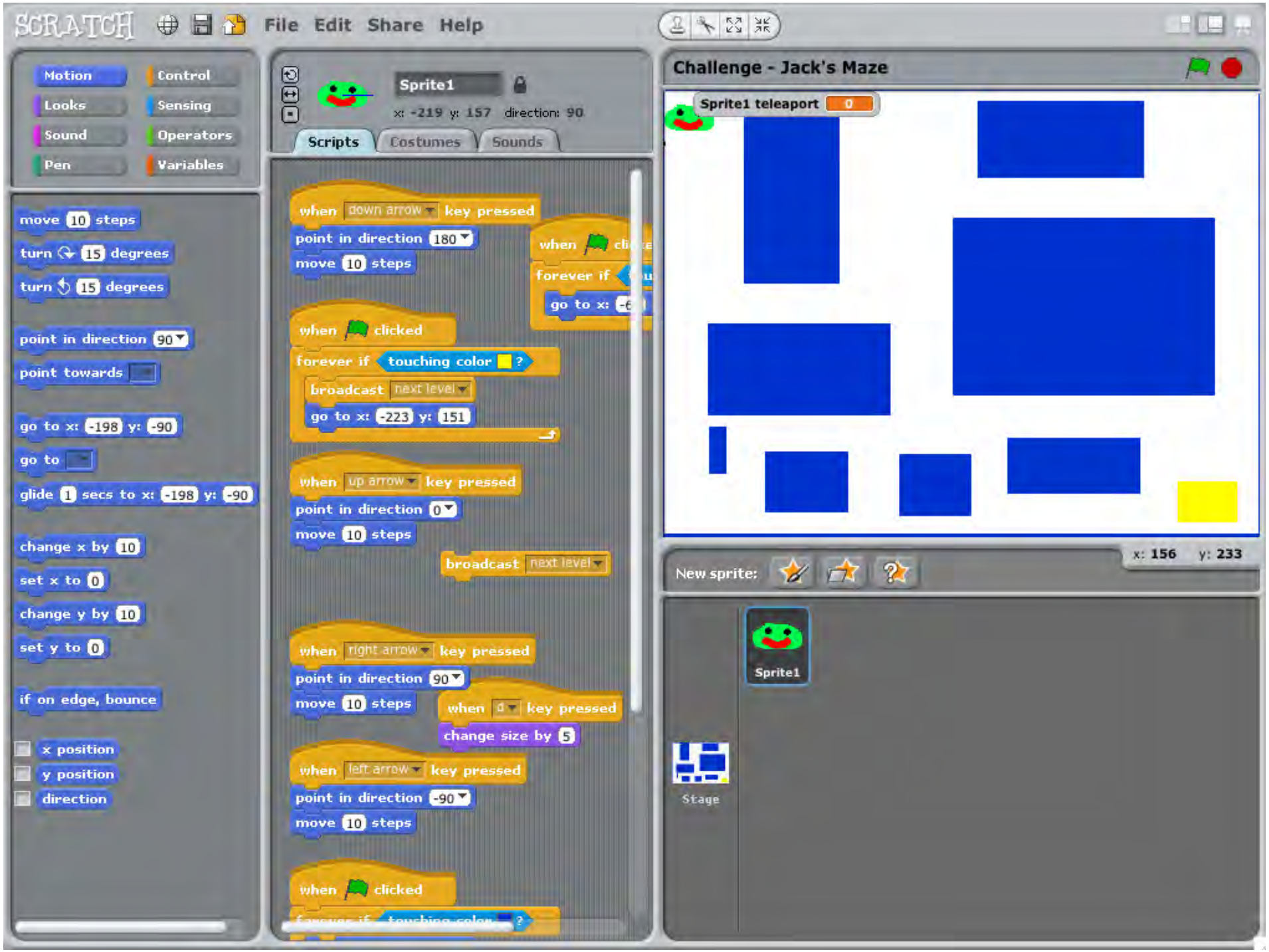

SCRATCH
File Edit Share Help
Motion
Control
Looks
Sensing
Sound
Operators
Pen
Variables
move 10 steps
turn 15 degrees
turn 15 degrees
point in direction 90
point towards
go to x: -210 y: 89
go to
glide 1 secs to x: -210 y: 89
change x by 10
set x to 0
change y by 10
set y to 0
if on edge, bounce
x position
y position
direction
JetPack_Girl
x: -166 y: 99 direction: 0
Scripts
Costumes
Sounds
when clicked
forever
if not touching color ?
change y by -5
if touching color ?
change y by 5
when clicked
forever if key left arrow pressed?
change scrollx by 5
when clicked
forever if key right arrow pressed?
change scrollx by -5
Challenge - Lily's scrolling
scrollx -20
page num 0
star 0
pagex 0
x: 150 y: 197
New sprite:
JetPack...
Stage


SCRATCH
File Edit Share Help
Motion
Control
Looks
Sensing
Sound
Operators
Pen
Variables
move 10 steps
turn 15 degrees
turn 15 degrees
point in direction 90
point towards
go to x: -198 y: -90
go to
glide 1 secs to x: -198 y: -90
change x by 10
set x to 0
change y by 10
set y to 0
if on edge, bounce
x position
y position
direction
Sprite1
x: -219 y: 157 direction: 90
Scripts
Costumes
Sounds
when down arrow key pressed
point in direction 180
move 10 steps
when clicked
forever if touching color ?
broadcast next level
go to x: -223 y: 151
when up arrow key pressed
point in direction 0
move 10 steps
broadcast next level
when right arrow key pressed
point in direction 90
move 10 steps
when a key pressed
change size by 5
when left arrow key pressed
point in direction -90
move 10 steps
when clicked
Challenge - Jack's Maze
Sprite1 teleport 0
New sprite:
x: 156 y: 233
Sprite1
Stage

Hello! I like strawberry ice cream.
A
V
K
T
A
03

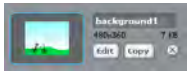
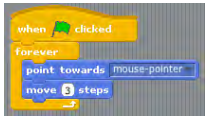
Artist Name: _____

Scratch - Interactive Art

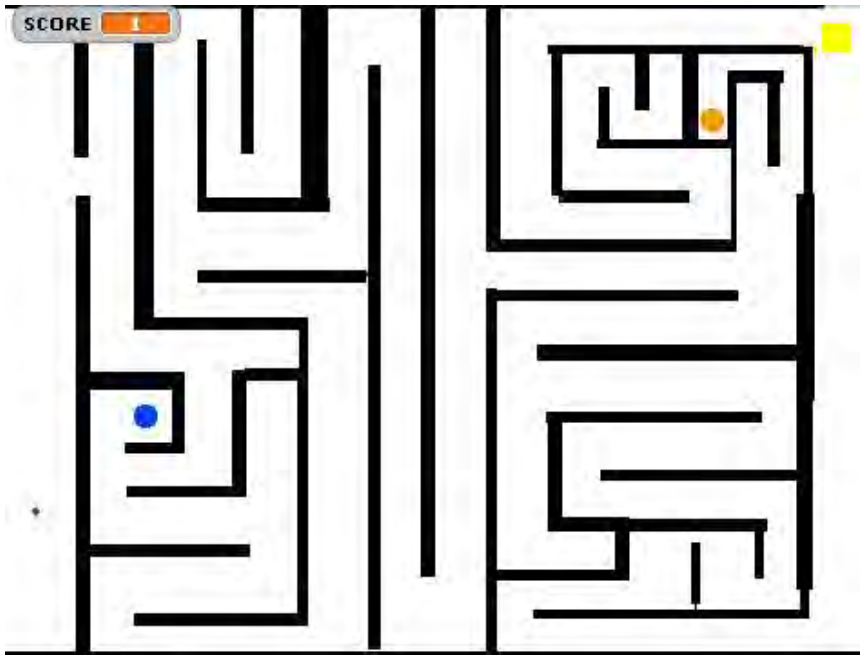
http://scratch.mit.edu

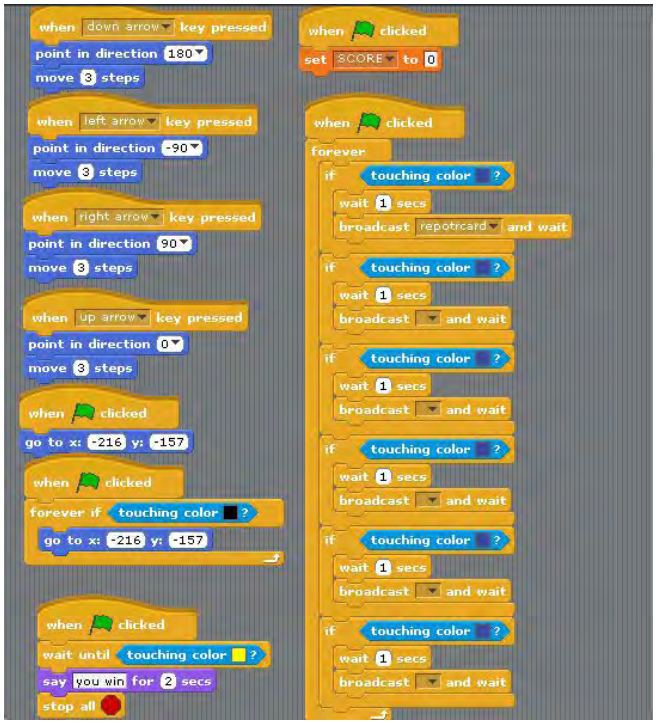
Feedback for our Name Projects

Write your name next to your favorite part of the project during our gallery walk when we share projects with the class.

	Our favorite part of the interactive art project was...
Design of the Letters of Your Name	
Background Picture 	
Interactive Letters 	

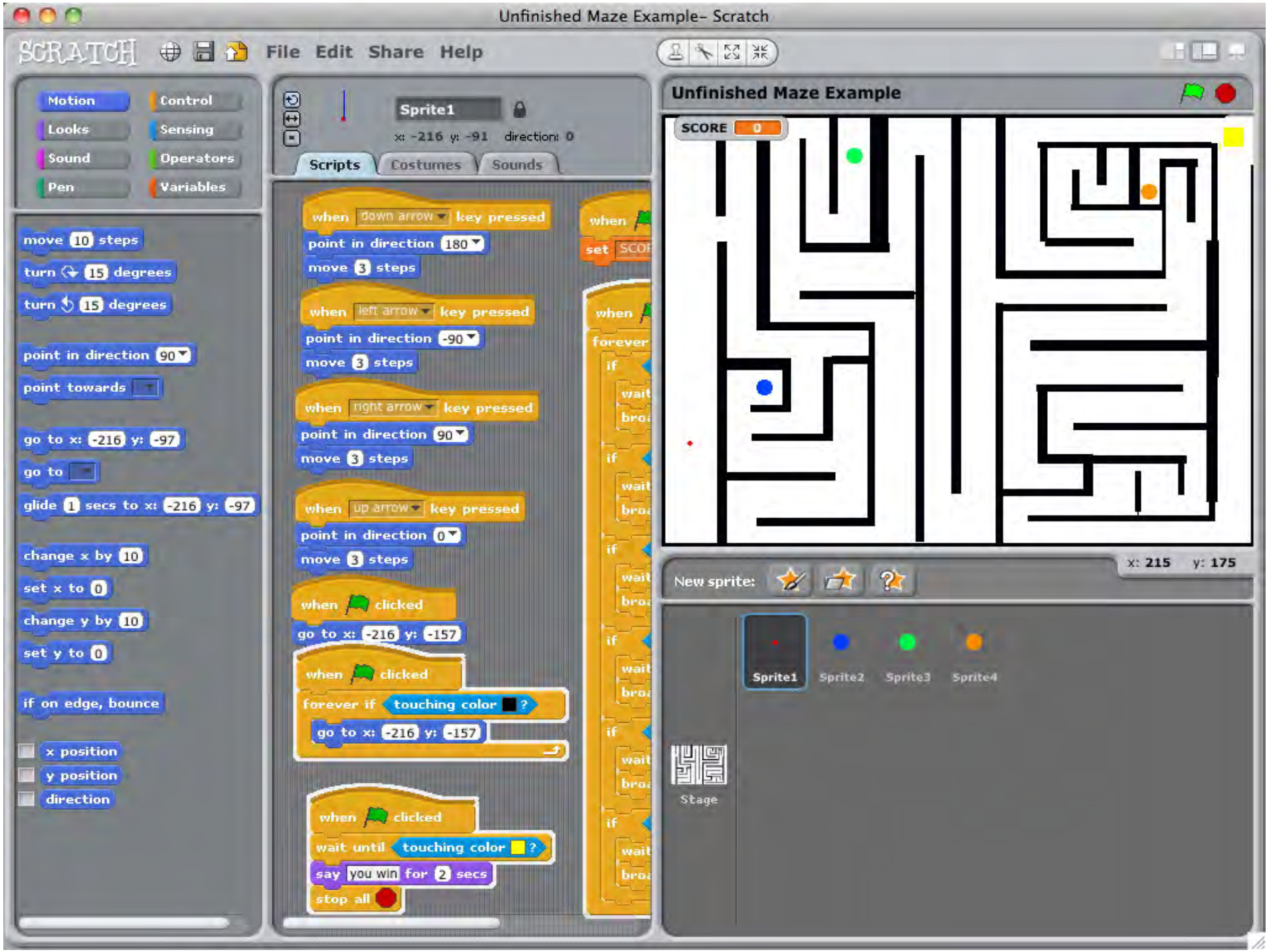
Assess with Care

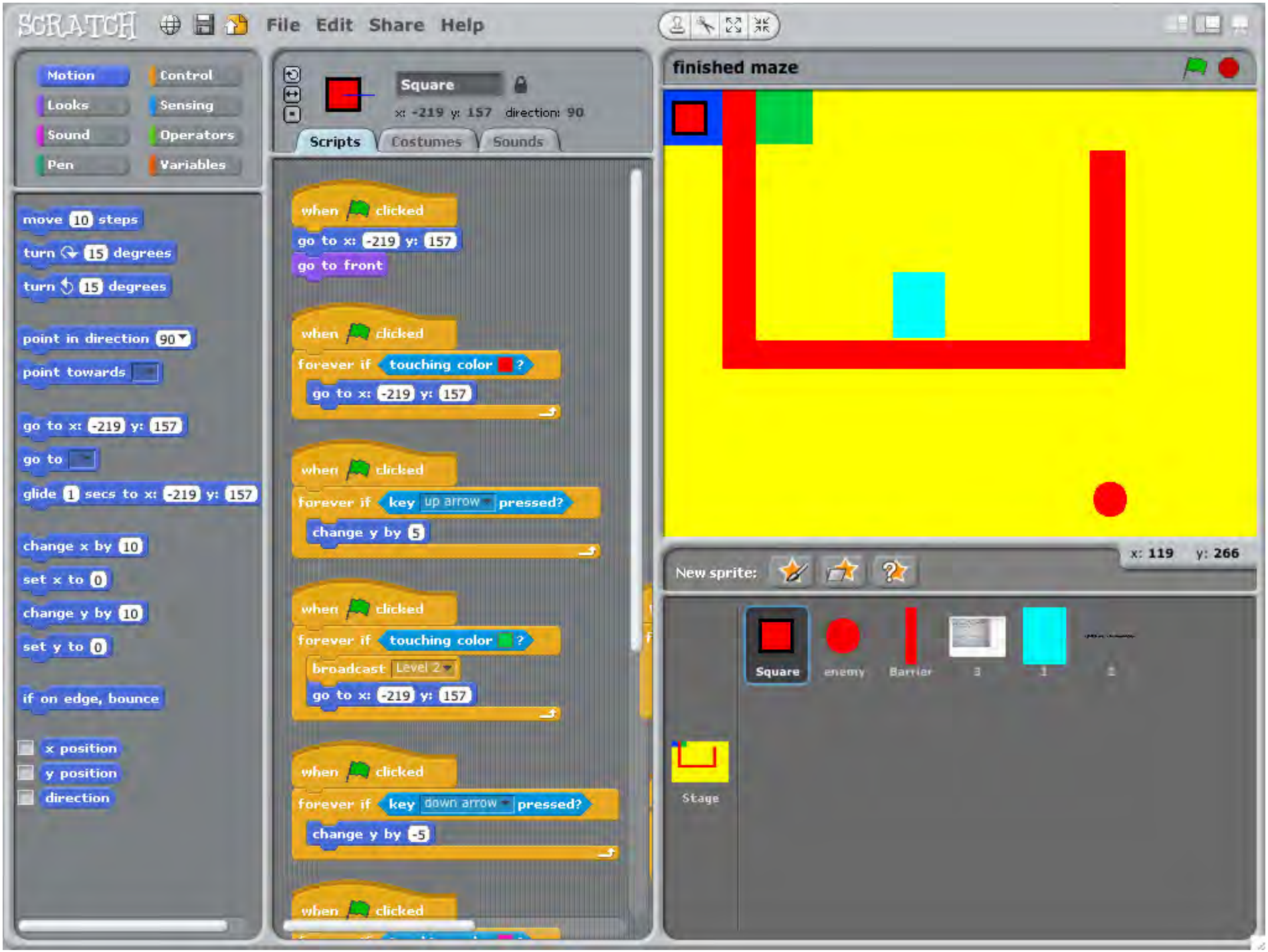




“I thought that the most difficult piece to make was the script for the pieces of the game. I was unsuccessful at using variables, but once consulting a classmate, I got it completely. The easiest part was designing the actual background for the maze. I even had a little bit of fun with it.”

-Student Reflection of Maze Assignment


Unfinished Maze Example- Scratch
SCRATCH
File Edit Share Help
Motion
Control
Looks
Sensing
Sound
Operators
Pen
Variables
move 10 steps
turn 15 degrees
turn 15 degrees
point in direction 90
point towards
go to x: -216 y: -97
go to
glide 1 secs to x: -216 y: -97
change x by 10
set x to 0
change y by 10
set y to 0
if on edge, bounce
x position
y position
direction
Sprite1
x: -216 y: -91 direction: 0
Scripts
Costumes
Sounds
when down arrow key pressed
point in direction 180
move 3 steps
when left arrow key pressed
point in direction -90
move 3 steps
when right arrow key pressed
point in direction 90
move 3 steps
when up arrow key pressed
point in direction 0
move 3 steps
when clicked
go to x: -216 y: -157
when clicked
forever if touching color ?
go to x: -216 y: -157
when clicked
wait until touching color ?
say you win for 2 secs
stop all
Unfinished Maze Example
SCORE 0
x: 215 y: 175
New sprite:
Sprite1
Sprite2
Sprite3
Sprite4
Stage


SCRATCH
File Edit Share Help
Motion
Control
Looks
Sensing
Sound
Operators
Pen
Variables
move 10 steps
turn 15 degrees
turn 15 degrees
point in direction 90
point towards
go to x: -219 y: 157
go to
glide 1 secs to x: -219 y: 157
change x by 10
set x to 0
change y by 10
set y to 0
if on edge, bounce
x position
y position
direction
Square
x: -219 y: 157 direction: 90
Scripts
Costumes
Sounds
when clicked
go to x: -219 y: 157
go to front
when clicked
forever if touching color ?
go to x: -219 y: 157
when clicked
forever if key up arrow pressed?
change y by 5
when clicked
forever if touching color ?
broadcast Level 2
go to x: -219 y: 157
when clicked
forever if key down arrow pressed?
change y by -5
when clicked
finished maze
x: 119 y: 266
New sprite:
Square
enemy
Barrier
Stage

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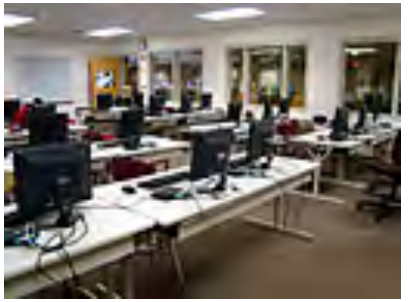
What advice do you have for a teacher who is (or wants to be) working with Scratch?

Provide Relevant Backgrounds

Weight Room

Computer Lab



Cafeteria

Library

Customize the ScratchEd Curriculum Guide

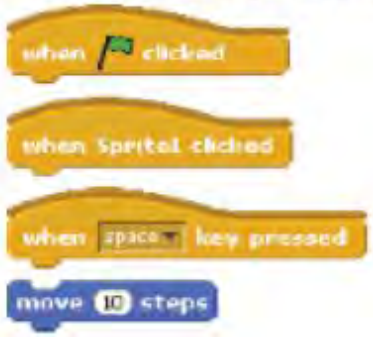
MY SMART GOALS

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

STEP BY STEP...

1. Add a sprite

BLOCKS TO PLAY WITH...



http://www.surveymonkey.com/s/2012-06-webinar

Next webinar: Wednesday, July 25, 2012

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http://scratched.media.mit.edu