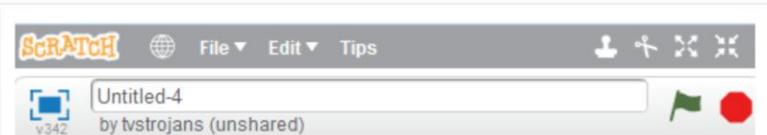


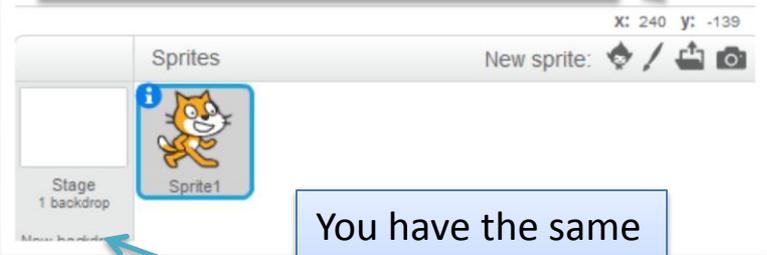
Basics



Name your project.

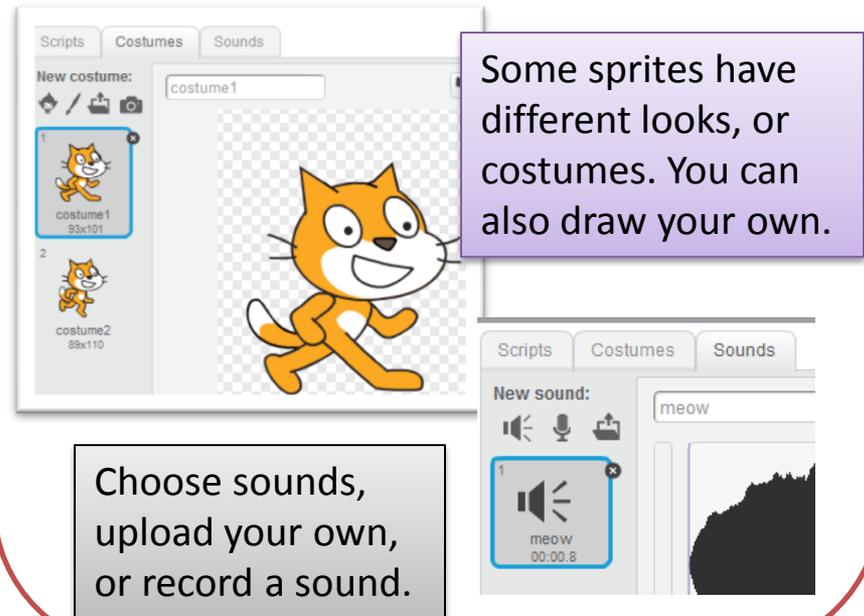
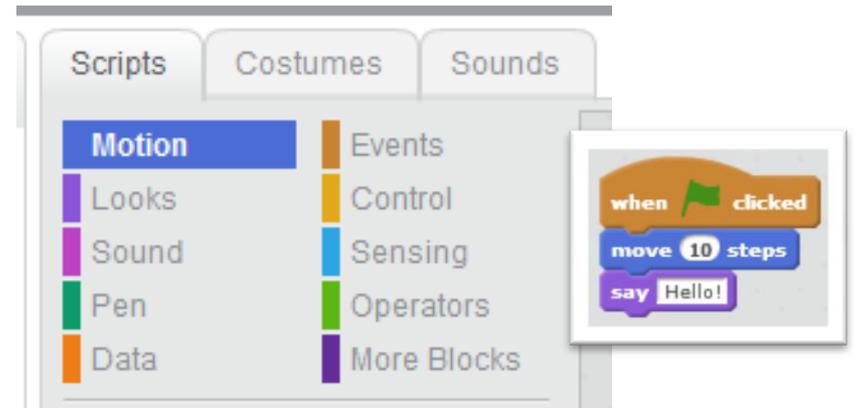


Sprites can be chosen from the program. You can also draw, upload, or take a picture.



You have the same choices for the backdrop (stage).

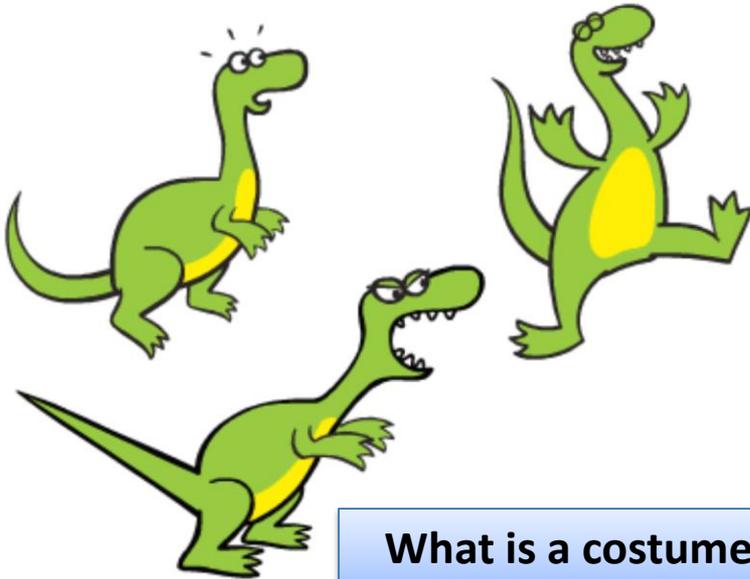
The blocks used to create scripts are color coded and snap together. Just drag to the large gray box to the right.



Some sprites have different looks, or costumes. You can also draw your own.

Choose sounds, upload your own, or record a sound.

Costumes



What is a costume?

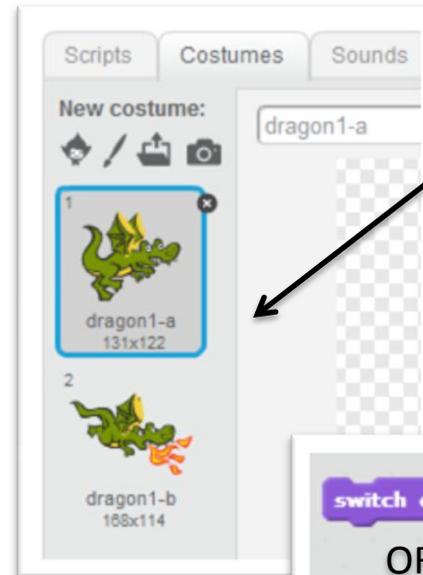
A costume is the “look” of a sprite. Every sprite has at least one costume but some have several. Costumes allow you to have your sprite show different positions, looks, etc. You can rename and edit any sprite’s costume.

When you click on a sprite in the Sprite Library, you can tell if it has more costumes.

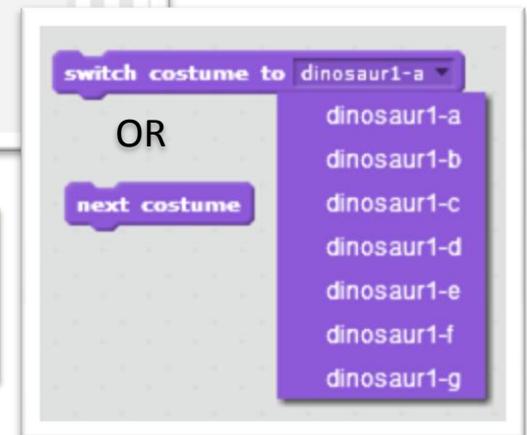


This dragon has 2 costumes.

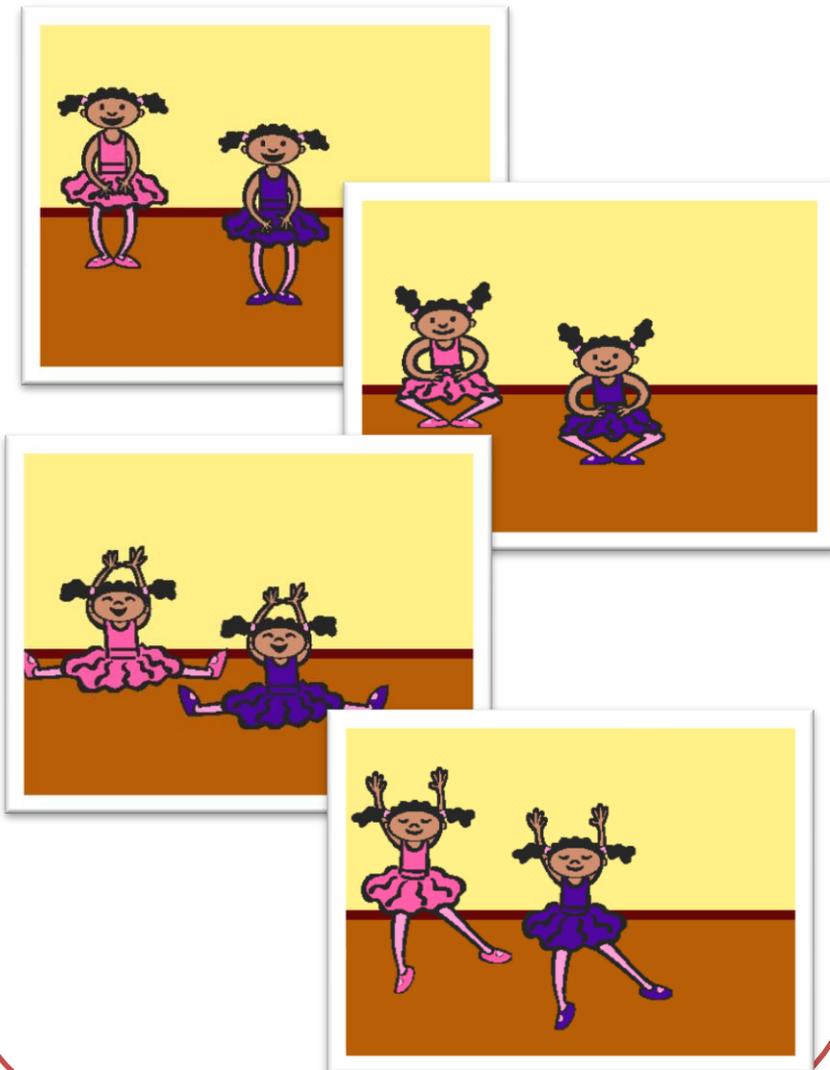
Remember that you can also draw costumes!



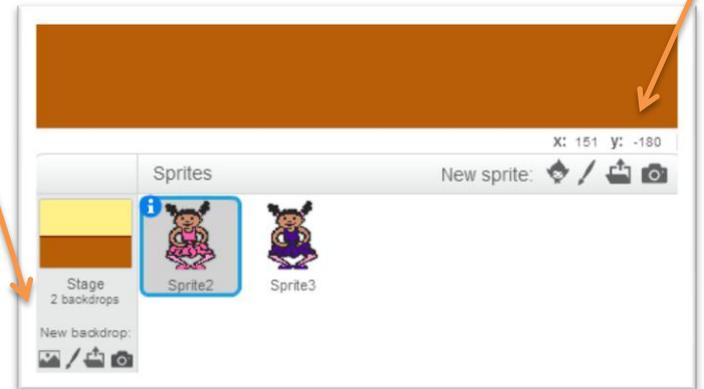
Blocks to use to change costumes.



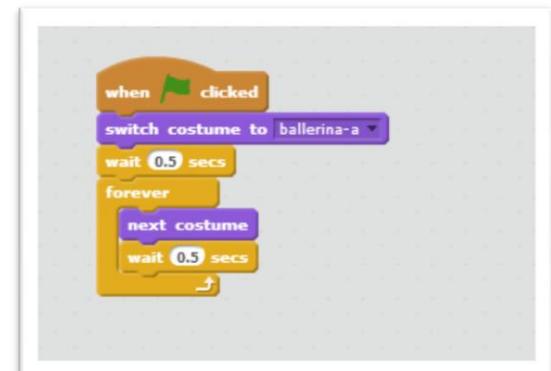
Dancing Ballerinas



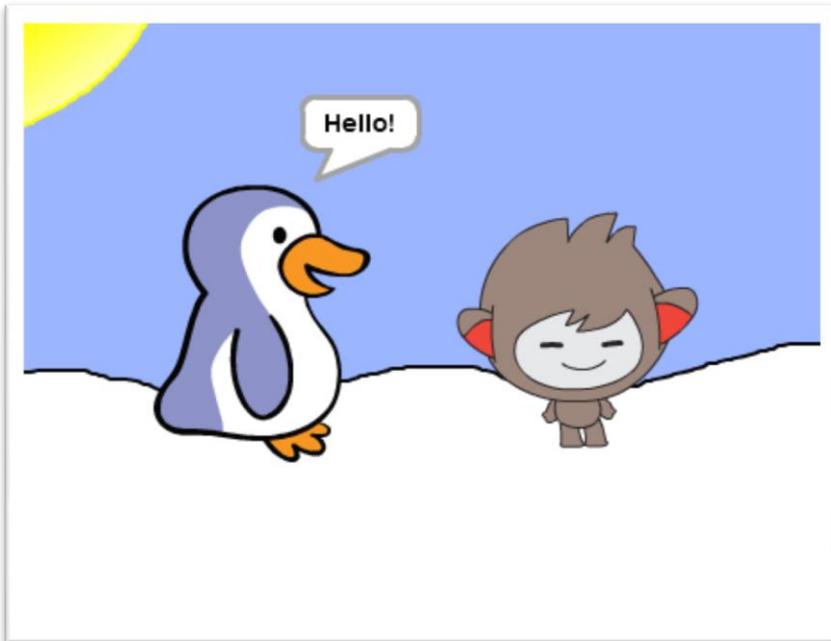
Choose 2 sprites who will dance.
They need to have at least 2 costumes. Choose a background or design your own.



Create the script below. Be sure to copy it to the second sprite. Can you add music so the sprites can dance to a beat?



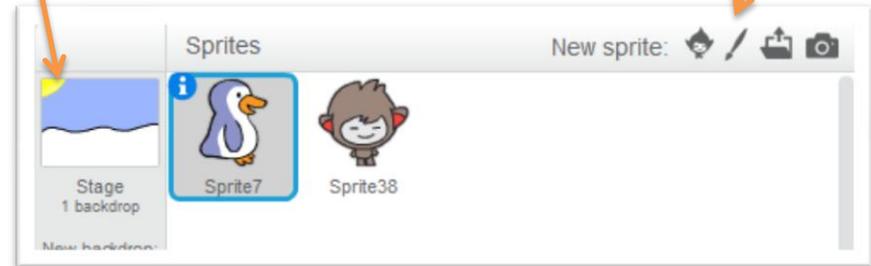
Conversations: Sprite 1



You will need 2 cards for this project:
Conversations: Sprite 1 and
Conversations: Sprite 2.

If you need some jokes, visit:
<http://www.ducksters.com/jokesforkids/>

Choose 2 sprites. Choose a stage
(background) or design your own.



You will be using the broadcast block to tell the jokes. Start with your first sprite and build the script below. Add your own jokes if you want. Choose "new message" by clicking the down arrow in the broadcast block. Give it a name to match the joke. Type the joke in the "say" block.



Conversations: Sprite 2



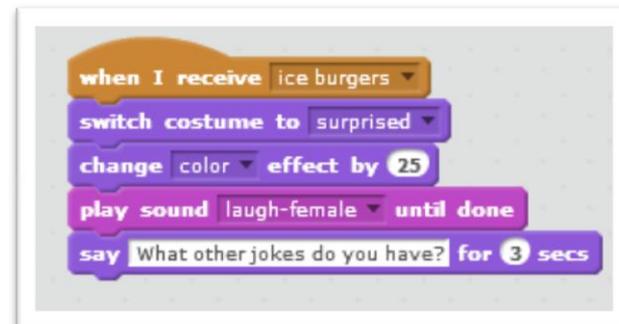
If you need some jokes, visit:
<http://www.ducksters.com/jokesforkids/>

Now it's time to work with the second sprite. Click on it and start building the script.

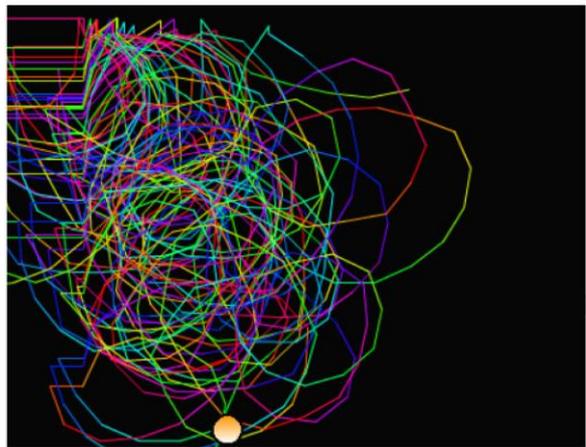
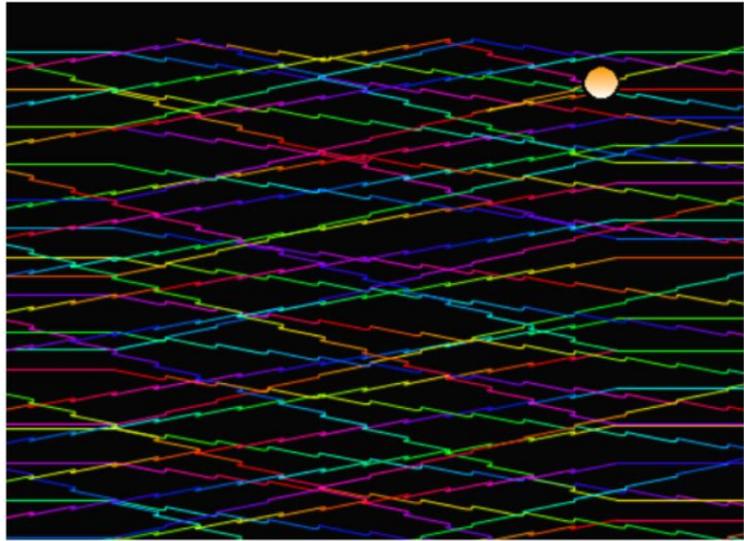


Use the “When I receive” block and choose a message. Type in the answer in the “say” block.

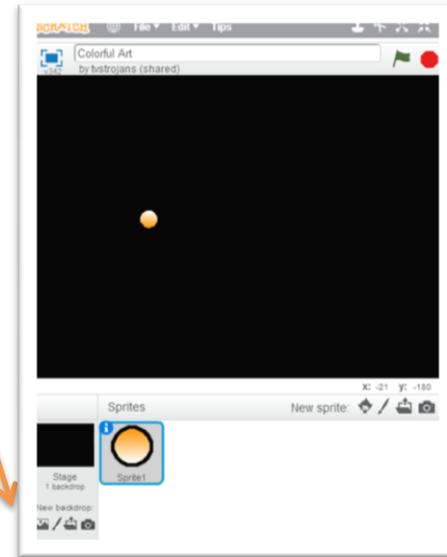
Add sounds, etc. if you want.



COLORFUL ART



Choose a background or draw one.
Choose a sprite or draw one of your own.

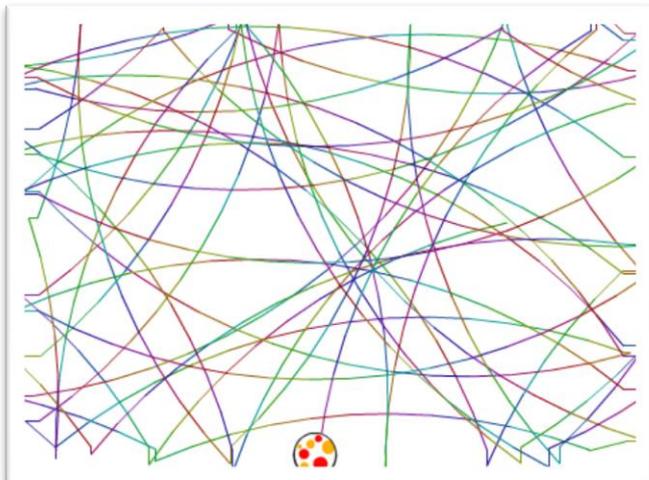
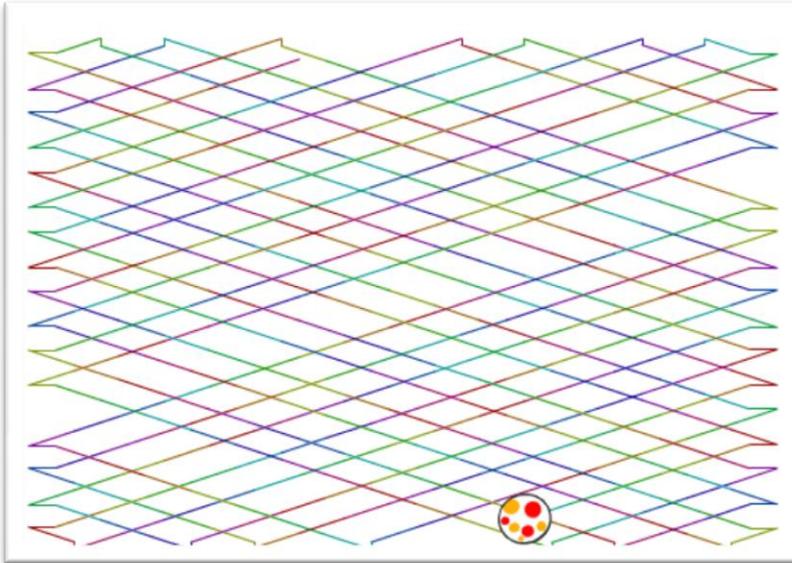


Create one or both of the scripts below.
Can you change the pen size? Are you able to change the color? Can you change the way the sprite draws?

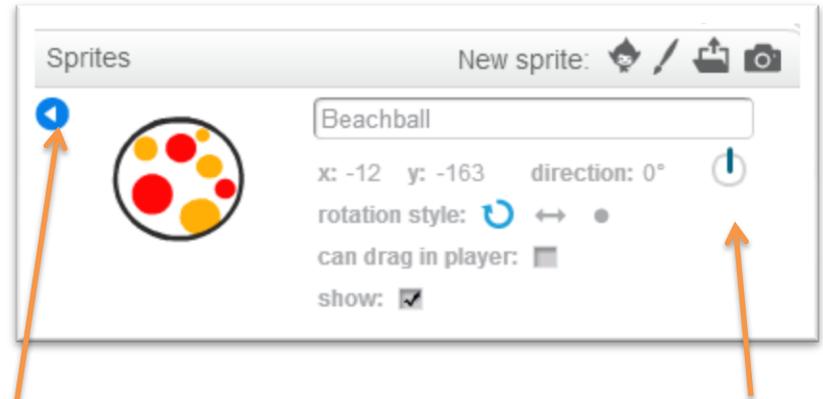
```
when clicked
clear
forever
pen down
change pen color by 10
move 30 steps
change x by 2
change y by 2
if on edge, bounce
```

```
when clicked
clear
forever
pen down
change pen color by 10
move 20 steps
turn pick random 1 to 20 degrees
if on edge, bounce
```

Colorful Art 2



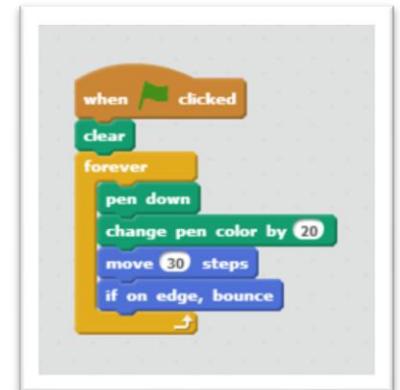
Choose a ball sprite.



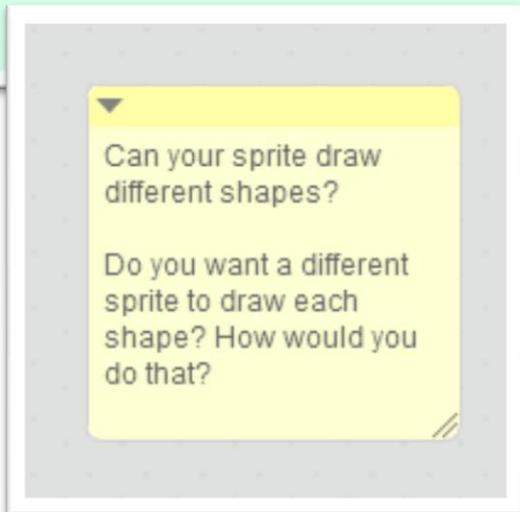
Click the small arrow just to the left of the sprite.

Click and hold your mouse on the direction line. Adjust it slightly.

Create the script. Can you change the pen size? Are you able to change the color? Can you adjust the way the sprite draws?



Make a Shape



Choose a sprite to draw the shape.

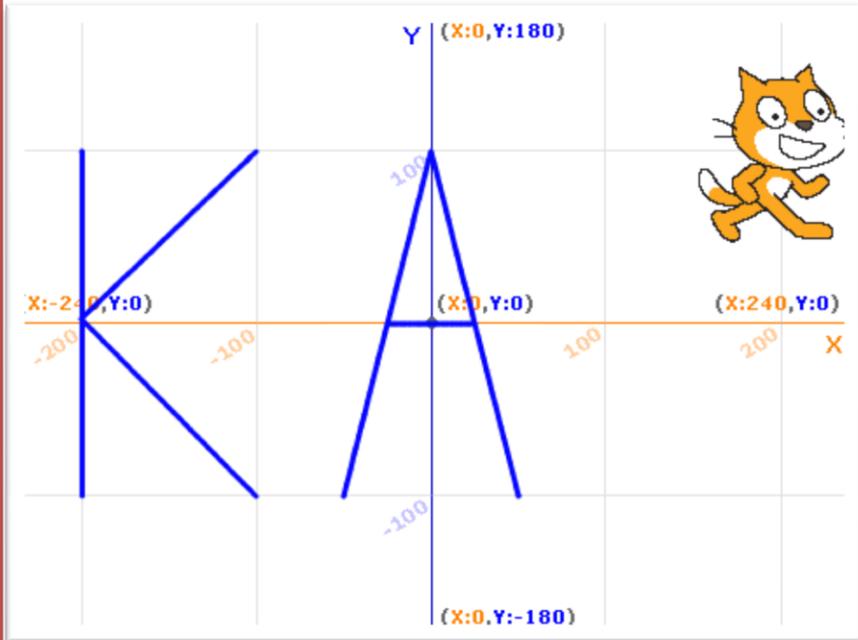


This is one way to make your sprite draw a triangle. Can you find another?

How would you change the script to draw another shape such as a square, a hexagon, and so on?

How do you decide how many degrees to turn?

Drawing Initials



Go to:

<http://scratch.mit.edu/projects/11304194/>

Remix the project and change the script to trace YOUR initials!

Here is part of the script.

```
when green flag clicked
  set pen size to 3
  wait 0.5 secs
  glide 1 secs to x: -200 y: -100
  pen up
  wait 0.5 secs
  glide 1 secs to x: -200 y: 3
  pen down
  wait 0.5 secs
  glide 1 secs to x: -100 y: 100
  pen up

when green flag clicked
  clear
  pen up
  go to x: -200 y: 100
  pen down
```

Can you change the coordinates to draw your own initials?

Can you change the color of the pen?

Are you able to add a sound when you finish each letter?

What else can you do to make this your own unique project?

10 Block Challenge



What can you create using these 10 Scratch blocks?

Keep the cat sprite, choose a different one, or draw your own.

Create a project using only the 10 blocks listed on the other side of this card.

Use them once, twice, or as many times as you'd like, but you must use each block at least once.

Have fun!