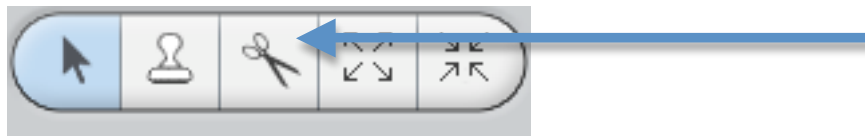


Scratch, Lesson One

Objective: Make an animated dot that flashes between three colors: red, yellow, and green. It will flash 12 times when the green flag is clicked.

Steps:

1. Select the scissors above the action box to “delete.” Click on the Scratch cat to delete it.



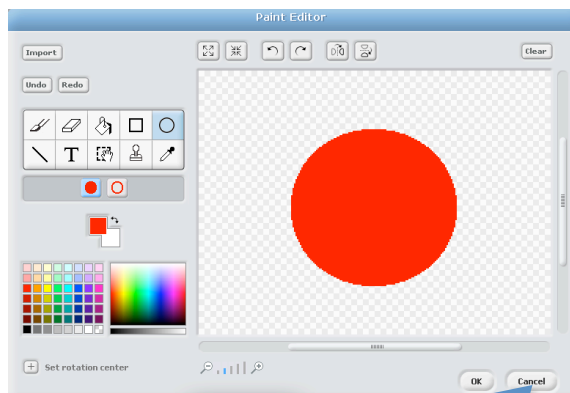
2. Create a sprite in the shape of a dot. To do this, you need to:

- ★ Click on the “paint a new sprite” button.
- ★ Choose the color RED.
- ★ Choose the ellipse tool (the circle) and click and drag your mouse in the drawing box until you make a red circle.
- ★ Click OK.



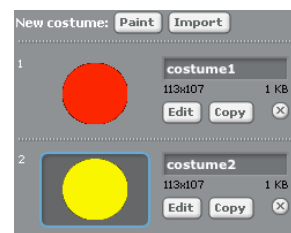
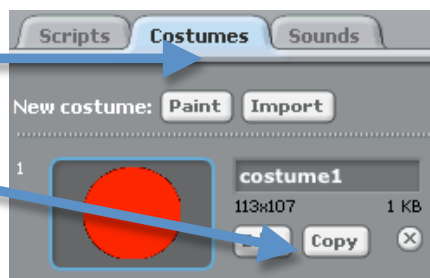
Here's what you should have:

Now you are ready for the next part—creating costumes for your dot.



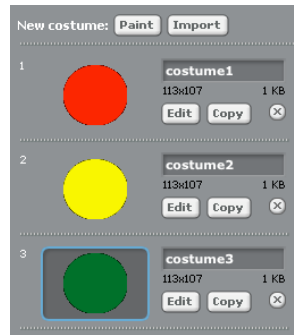
3. Create a yellow costume. To do this you need to:

- ★ Select the middle tab—costumes.
- ★ Then click COPY.
- ★ Now, you have two costumes.
- ★ By “costume2,” click EDIT.
- ★ Choose YELLOW.
- ★ Then click on the fill tool (bucket).
- ★ Click on the circle to make it yellow.
- ★ Click OK.
- ★ Now you have two costumes: red and yellow.



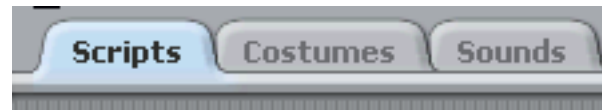
4. Repeat the steps for #3 that you did to make a yellow costume, only this time, edit the new costume to be GREEN.

Now you should have three costumes: RED, YELLOW and GREEN.



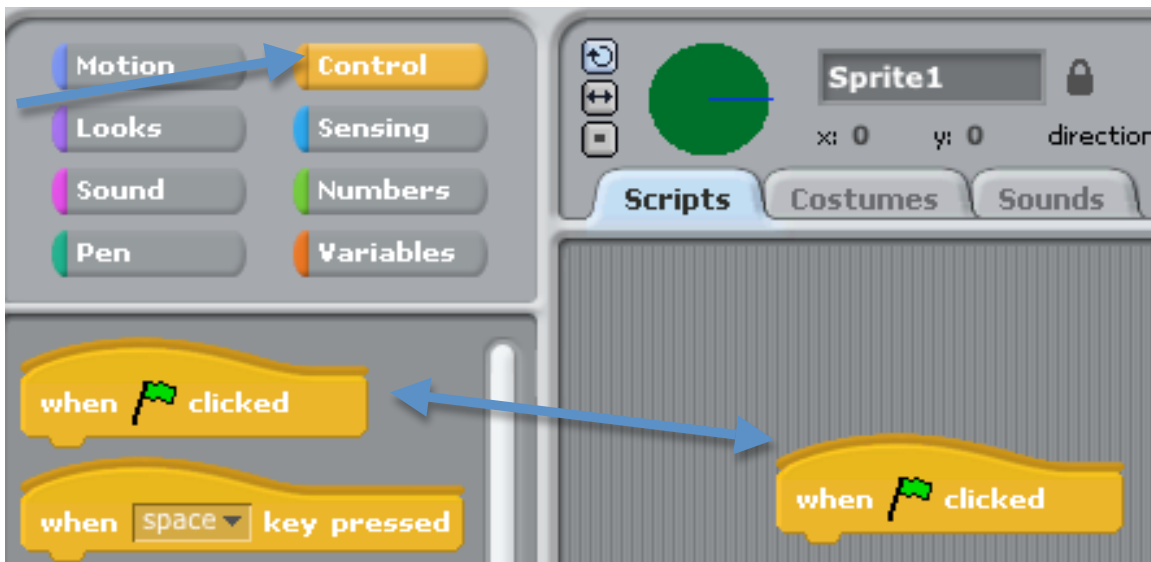
Now let's animate!

5. Select the "scripts" tab.



6. Select "control" from your programming options.

7. Drag the "when clicked" block over to the scripts space.

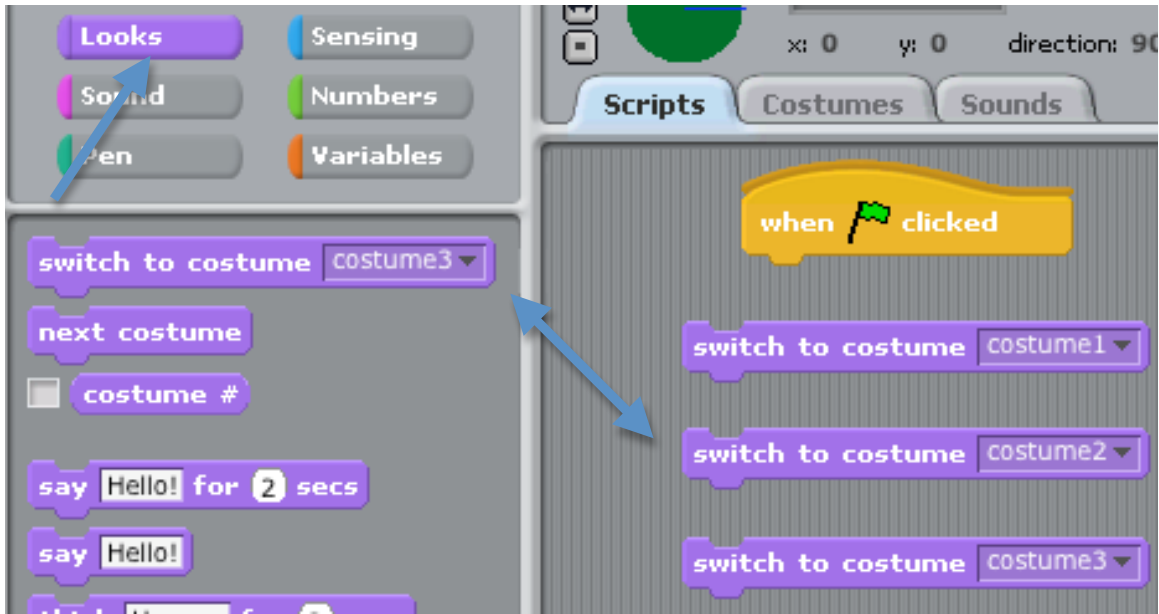


8. Now you're connecting blocks to make the action happen. The next steps will put your action of switching costumes together. This will make it look animated.

9. Select "looks" from the programming options.

10. Drag three "switch to costume" blocks over to the scripts space. Change them by clicking on the arrows.

- ★ Make the first block a switch to costume 1.
- ★ Make the second block a switch to costume 2.
- ★ Make the third block a switch to costume 3. (see next page for example)



11. Select “control” from the programming options again.

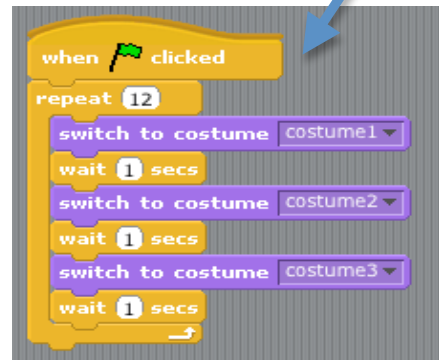
12. Drag the “wait 1 second” block over three times, connecting them under the “switch to costume” blocks.

13. Drag the “repeat” block over.

14. Fit the chunk of “switch costume” blocks and “wait” blocks into the “repeat” block. Change the repeat number from 10 to 12.



15. Connect this chunk of blocks to the “when clicked” block.



PRESS THE GREEN FLAG! If you followed all directions, it should play.