Scratch: Lesson Two

Objective: Create an interactive photo of yourself using PhotoBooth and Scratch.

Follow these steps!

Part One—Taking the Photo
1. Click these items: Finder > Applications > PhotoBooth
2. Take a regular picture of yourself (don’t use any effects). Make sure you can see the top of your head!
3. Close PhotoBooth and open Scratch.

Now you are going to use the photo you took-- as a sprite in Scratch!

Part Two—Making an Interactive Photo
1. Clear away the cat.
2. Click on “Stage.” This will give you some new tabs.
3. Choose “Backgrounds.”
4. Under Background 1, click “Edit.”
5. In the edit window, choose import.
6. Pick your background by double-clicking on the folders and selecting a background.
7. Click OK for your background and again for the editor. You can choose any background.

Now you have a background.

Time to put in your picture!
1. Click on the “Choose new sprite from file” button.
2. On the left hand side, click on “Pictures.”
3. Then choose the folder that says “PhotoBooth.”
4. Find your photo and then click “OK.”
**Editing Your Photo**

You don’t want all the stuff that is behind you in the picture, so now you need to edit your photo.

1. Click on your photo sprite and choose the “Costumes” tab.
2. Click “Edit.”
3. Choose the “Eraser” tool.

Your eraser has many different sizes. Use what you need.

4. Erase away the background to transparent, being careful along the edges of yourself, so that you don’t erase YOU! Remember, there is an UNDO button.

5. When you have erased away the background to transparent, click “OK.” If you missed a few spots, you can go back in to “Edit” and fix them.
6. Select the “Shrink sprite” button and shrink your sprite some if you need to.

Now let's make your photo interactive!

1. Select the “Scripts” tab.
2. Select “Control.”
3. Drag the “when sprite clicked” block over to the scripts space.
   
   3. Select “Looks.”
4. Drag the “change color effect by 25” block over and connect it to the other block. Then, choose an effect. You can also change the degree of the effect, but 25 works well. Test out the effect by double-clicking the script.
You want to be able to make your picture go back to normal!

1. Select “Control.”

2. Drag the “when space key pressed” block to the scripts space.

3. Select “Looks.”

4. Drag the “clear graphic effects” block to the scripts space and connect it.

Now when you press the space bar, all graphic effects go away and your picture goes back to normal.

EXTRA: Try making a sound effect happen each time the sprite is clicked.

1. Go to the “Sounds” tab.

2. Choose “Import” and select a sound effect.

3. Return to the “Scripts” tab.

4. Select “Sounds.”

5. Drag the “play sound” block over to the scripts space and connect it to your “when sprite clicked” script underneath the “change effect” block. Select your imported sound.