

Intro to Programming Scratch #4h – Summer Story

Objective: Demonstrate your understanding of how to switch scenes. You are to complete the story that we started in class.

1. Download *first_last_scratch_4.sb3* file from the www.missblomeyer.com website and save it on your Chromebook. Login to the Scratch website. Create a new project. Do *File>Load from your computer* and upload the *first_last_scratch_4.sb3* file. When asked if you want to replace the contents of the current project, click *OK*. Now, rename your project so that *first_last* is your first name and your last name.
2. You are to finish the Scratch project so that it matches the role play that was done in class. The role play is on pages 3-4 of this document.
3. For the *Cat* you will need to:
 - a. Create a script for the basketball scene.
 - b. Create a script for the school scene.
 - c. Create a script for the ending scene.
4. You will need to add a *Crab* sprite. You will need to add 3 scripts for the crab:
 - a. Create a script for when the green flag is clicked
 - b. Create a script for the beach scene.
 - c. Create a script for the basketball scene.
5. You will need to add a sprite to be the *Opponent*. You will need to add scripts for the *Opponent* just like you did for the Crab. Be sure to follow the role play for the *Opponent*.
6. You will need to add a sprite to be the *Friend*.
 - a. The friend needs to be able to change costumes. One costume should look normal, while another should look angry. You may use a Scratch sprite like Pico or Giga with built in happy/frowny faces, or you can use a different sprite and create your own happy/frowny faces.
 - b. What scripts do you think you should add?
7. On the *Stage*,
 - a. Create a backdrop that says *The End*.
 - b. Write the script for when the Green flag is clicked
8. Play your story several times to make sure the timing is correct.
9. Now, you are to add a scene to the story. It should play after the school-hall but before the end:
 - a. The scene must have 2 sprites in addition to the cat. The cat needs to have a conversation with both sprites and all 3 sprites must say at least 4 things.
 - b. Plan your scene. What sprites will the cat interact with? What costume will the cat have? What backdrop will the stage display? If you need help, use a conversation planner.

- c. You need to find/create a backdrop for the stage.
 - d. You need to find/create a costume for the cat.
 - e. You need to plan a conversation between the cat and any sprites in your scene.
 - f. Who should broadcast your scene? Who now broadcasts end-scene?
10. Always do *File->Save now* before you log out of the Scratch website.
 11. Now do *File->Save to your computer*.
 12. Turn in your *first_last_scratch_4.sb3* file to *missblomeyer.com* in the usual way.

Summer Story

Script Starter	The Cat	The Crab	The Opponent	The Friend	The Stage
<i>When Green Flag Clicked</i>	<i>set rotation style: left-right</i> <i>hide</i>	<i>set rotation style: left-right</i> <i>hide</i>	<i>set rotation style: left-right</i> <i>hide</i>	<i>set rotation style: left-right</i> <i>hide</i>	<i>switch backdrop to title</i> <i>wait 2 secs</i> <i>broadcast beach-scene</i>
<i>When I receive:</i> beach-scene	<i>switch costume to:</i> sunglasses <i>point in direction 90</i> <i>go to x:-82 y:-27</i> <i>show</i> <i>say Hello! for 2 secs</i> <i>say I'm going to tell you about my summer. for 2 secs</i> <i>say I spent some time at the beach. for 2 secs</i> <i>broadcast basketball-scene</i>	<i>go to x: 109 y:-61</i> <i>show</i> <i>forever</i> <i>next costume</i> <i>wait 0.2 secs</i>			<i>switch backdrop to beach-malibu</i>
<i>When I receive</i> basketball-scene	<i>switch costume to</i> basketball <i>go to x: 179 y: -104</i> <i>point in direction -90</i> <i>show</i> <i>say I played lots of basketball. for 2 secs</i>	<i>hide</i> <i>stop other scripts in sprite</i>	<i>go to x: -85 y: -85</i> <i>show</i> <i>wait 2 secs</i> <i>say You're going down! for 2 secs</i> <i>say I am the best! for 2 secs</i> <i>glide 1 secs to x: -14 y: 192</i> <i>glide 1 secs to x: -133 y: -10</i> <i>broadcast school-scene</i>		<i>switch backdrop to basketball-court</i>

Script Starter	The Cat	The Crab	The Opponent	The Friend	The Stage
<p><i>When I receive</i> school-scene</p>	<p><i>switch costume to</i> book <i>go to x:</i> -80 <i>y:</i> -100 <i>point in direction</i> 90 <i>show</i> <i>say</i> I also went to summer school. <i>for</i> 2 secs <i>say</i> I had to repeat Algebra. <i>for</i> 2 secs</p>		<p><i>hide</i></p>	<p><i>go to x:</i> 112 <i>y:</i> -78 <i>point in direction</i> -90 <i>switch costume to</i> friendly <i>show</i> <i>wait</i> 4 secs <i>say</i> You were so lazy. <i>for</i> 2 secs <i>say</i> You just wanted to talk. <i>for</i> 2 secs <i>switch costume to</i> angry <i>say</i> You drove the teacher crazy! <i>for</i> 2 secs <i>say</i> No wonder he retired! <i>for</i> 2 secs <i>secs</i> <i>point in direction</i> 90 <i>glide</i> 1.5 secs <i>to x:</i> 250 <i>y:</i> -78 <i>broadcast</i> end-scene</p>	<p><i>switch backdrop to</i> school-hall</p>
<p><i>When I receive</i> end-scene</p>	<p><i>hide</i></p>			<p><i>hid</i></p>	<p><i>switch backdrop to</i> the-end</p>