

## Exploring Computer Science Scratch #4 – Summer Story

Objective: Demonstrate your understanding of how to create a story in Scratch. You are to complete the story that we started in class.

1. In your *Exploring Computer Science* folder, create a folder titled *first\_last\_scratch\_4*
2. Download *summer.sb2* file from the [www.missblomeyer.com](http://www.missblomeyer.com) website and save it in your *first\_last\_scratch\_4* folder.
3. You are to finish the Scratch project so that it matches the role play that was done in class. The role play is on the second page of this assignment.
4. 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.
5. You will need to add a Crab sprite. You will need to add 5 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.
  - d. Create a script for the school scene.
  - e. Create a script for the ending scene.
6. You will need to add a sprite to be the Opponent. You will need to add 5 scripts for the Opponent just like you did for the Crab. Be sure to follow the role play for the Opponent.
7. You will need to add a sprite to be the Friend. What scripts do you think you should add?
8. On the Stage,
  - a. Create a backdrop that says “The End”.
  - b. Write all the scripts necessary to change the backdrop when a scene changes.
9. Save the document and exit out of Scratch.
10. Zip up your *first\_last\_scratch\_4* folder. Turn in your *first\_last\_scratch\_4.zip* file.

## Summer Story

	When green flag clicked	when I receive <u>BEACH SCENE</u>	when I receive: <u>BASKETBALL SCENE</u>	when I receive: <u>SCHOOL SCENE</u>	when I receive: <u>END SCENE</u>
The Cat	<i>hide</i>	<i>switch costume to:</i> sunglasses <i>point in direction</i> 90 <i>goto x:</i> -82 <i>y:</i> -27 <i>show</i> <i>say:</i> Hello! <i>for:</i> 2 secs <i>say:</i> I'm going to tell you about my summer. <i>for:</i> 2 secs <i>say:</i> I spent some time at the beach. <i>for:</i> 2 secs <i>broadcast:</i> <u>BASKETBALL SCENE</u>	<i>switch costume to:</i> basketball <i>goto x:</i> 179 <i>y:</i> -104 <i>set rotation style:</i> left-right <i>point in direction</i> -90 <i>show</i> <i>say:</i> I played lots of basketball. <i>for:</i> 2 secs	<i>switch costume to:</i> books <i>goto 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	<i>hide</i>
The Crab	<i>hide</i>	<i>show</i>	<i>hide</i>	<i>hide</i>	<i>hide</i>
The Opponent	<i>hide</i>	<i>hide</i>	<i>show</i> <i>wait:</i> 2 secs <i>say:</i> You're going down! <i>for:</i> 2 secs <i>say:</i> I am the best! <i>for:</i> 2 secs <i>broadcast:</i> <u>SCHOOL SCENE</u>	<i>hide</i>	<i>hide</i>
The Friend	<i>hide</i>	<i>hide</i>	<i>hide</i>	<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>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>broadcast:</i> <u>END SCENE</u>	<i>hide</i>
Stage	<i>switch backdrop to:</i> <u>TITLE</u> <i>wait:</i> 2 secs <i>broadcast:</i> <u>BEACH SCENE</u>	<i>switch backdrop to:</i> <u>BEACH</u>	<i>switch backdrop to:</i> <u>BASKETBALL COURT</u>	<i>switch backdrop to:</i> <u>SCHOOL HALL</u>	<i>switch backdrop to:</i> <u>THE END</u>