

**Learning Goal:**

For this assignment, you will create a simple side-scrolling game that uses **looped** background images and sprite characters to show your knowledge of Scratch and programming theories.

**Success Criteria:**

- You will follow the steps on the *ICS20 – Side-Scrolling Game* tutorial to create the background and main character for your game.
- You will add scripts for keyboard control to allow your character to move left and right, as well as to jump
- Your character will turn in the direction it is moving
- You will add a **minimum of one** other character/object that interacts with your main character. This could include a “bad guy,” an object that does something, or another character that has a conversation with the first character. It must be **interactive**, meaning there has to be a script controlling when, what, and how the character/object is connected to your main character
- There must be an action that ends your game
- You may add extras such as more characters, custom sprites, etc. as well as music/sound effects

**Rubric:**

Category	Level 1	Level 2	Level 3	Level 4
<b>Knowledge</b>	Demonstrates limited knowledge of Scratch	Demonstrates some knowledge of Scratch	Demonstrates a considerable knowledge of Scratch	Demonstrates a thorough knowledge of Scratch
<b>Thinking</b>	Shows process of problem-solving with limited ability	Shows process of problem solving with some ability	Shows process of problem solving with considerable ability	Shows process of problem solving with thorough ability
<b>Communication</b>	Uses terminology related to Scratch, (e.g. sprites, scripts) with limited effectiveness	Uses terminology related to Scratch, (e.g. sprites, scripts) with some effectiveness	Uses terminology related to Scratch, (e.g. sprites, scripts) with considerable effectiveness	Uses terminology related to Scratch, (e.g. sprites, scripts) with thorough effectiveness
<b>Application</b>	Limited ability to put skills together to create a simple game in Scratch	Some ability to put skills together to create a simple game in Scratch	Considerable ability to put skills together to create a simple game in Scratch	Thorough ability to put skills together to create a simple game in Scratch

**Marks:****/20**