

Name(s) _____ Period _____ Date _____

Project Guide - Side Scroller



Overview

In this project, you'll use what you have learned to make a side scroller, a type of game with backgrounds that move across the screen from side to side. There's a sample side scroller in Code Studio.

Sample Game

Play the sample game a few times. You can make your game similar to this one, or change it to fit your preferences.

| Things to Keep the Same | Things to Change |
|--|---|
| Background moving Sprite jumping Keeping score | Make the background the ocean and change the frog eating flies to a fish eating plants. |

What parts of programming this game are you not sure how to do yet?

I'm not sure how to keep score.

Sprites

This game has three sprites: the player (frog), the obstacle (mushroom) and the target (fly). Choose what you want to use for your player, obstacle, and target, and write down where you will find the image.

| Sprite | Sample | Your Choice | Image/Animation Source |
|----------|----------|-------------|------------------------|
| Player | frog | Fish | Library in Code Studio |
| Obstacle | mushroom | rocks | Library in Code Studio |
| Target | fly | plants | Library in Code Studio |

Background

What do you want the background to look like? Draw a picture, and describe the shapes you will use to make it.



Blue background with round circles for bubbles. Rocks can be gray and big ellipses and circles. Plants can be green and small ellipses and circles.

Sprite Movements and Interactions

Are there any other things you would like to change about the way the sprites move or interact with each other?

Trying to get the plants to look like they are floating.

Program your Game

Once your teacher has approved your design, go to Code Studio to create your game.

Check Your Program

Check your program to make sure it has everything it needs.

Reflect

What part of your project are you most proud of? I'm proud of the background and how it looks.

Why? I like the way the bubbles look.

If you had more time, what improvement would you make to your game?

If I had more time, I would include other types of fish that would race to eat the plants.