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|  | **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** |
| --- | --- |
|  |  |

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

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## 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 |  |  |
| Obstacle | mushroom |  |  |
| Target | fly |  |  |

## Background

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

|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| --- | --- |

## 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?

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## 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? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Why? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

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