







ATL Game Development Platform





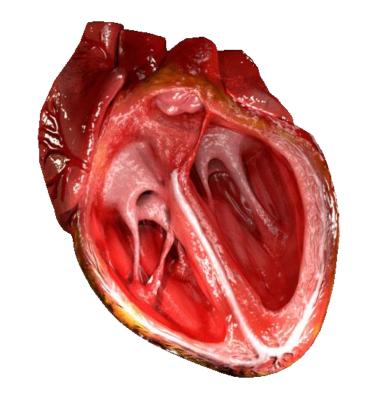


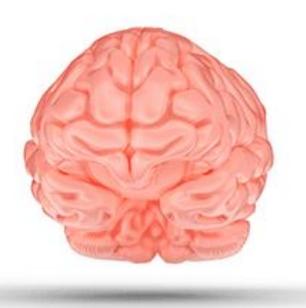




Working with Sprites in Scratch







By Mr. Neeraj & Ms. Chithra from Learning Links Foundation









Agenda of the day

01

Reflections of Day - 1



02

Brief on Sprites, Different ways to add sprites, Different ways to add backgrounds



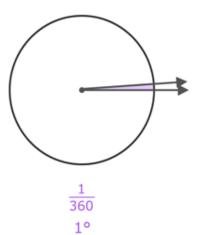
03

Role of coordinates in Scratch, Different ways to add sounds













04

Home Assignment, Q&A









Reflections of Day - 1

- Introduction to Game Based Resources (Animations/Games/Activities)
- Various ICT tools to create game based resources
- Introduction to Scratch
- Installing Software (Offline)
- Registration Process on Scratch (Online)
- Scratch Interface
- Demonstration of Sample STFM Animations



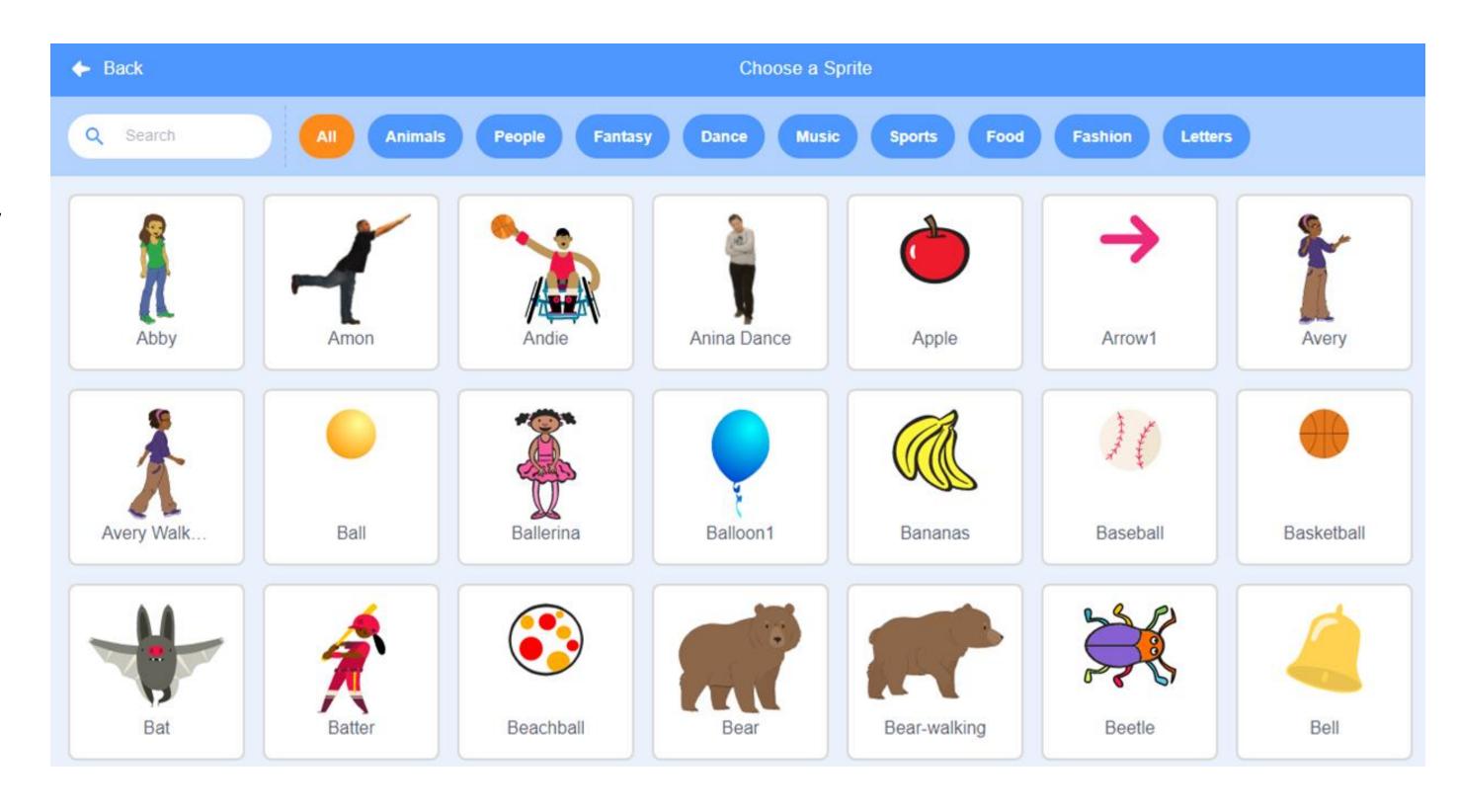






Introduction to Sprites

Sprites are the images on a Scratch Computer Program Screen. Every Scratch Program is made up of sprites and the Scripts to control them.











Adding Sprites and and Backgrounds

O









Adding sprites to your game

Each object in Scratch is called a SPRITE.

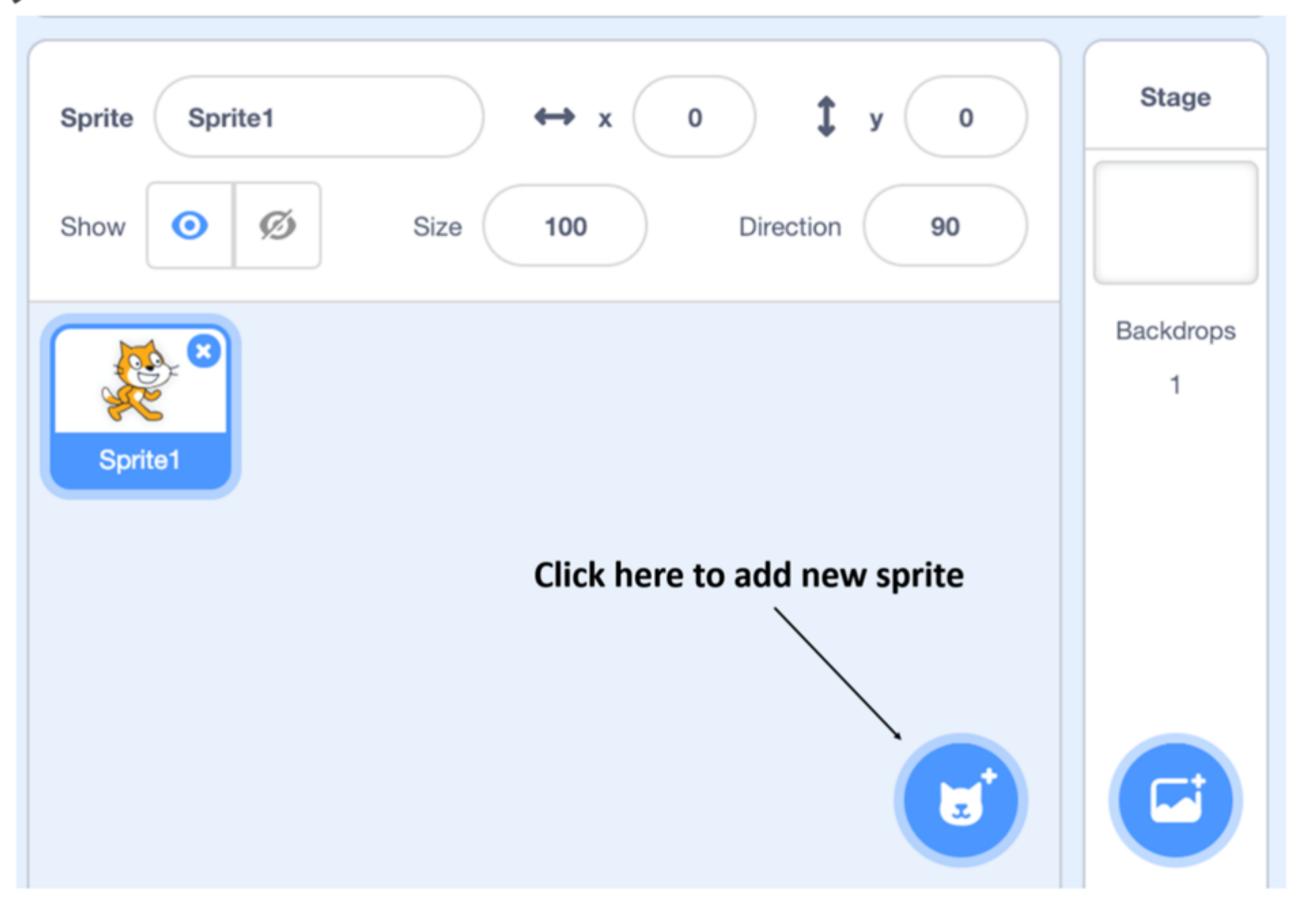
To add a sprite, you can do in the following ways:

Choose from the library

Paint your own sprite

Upload your own image or sprite

Take a picture











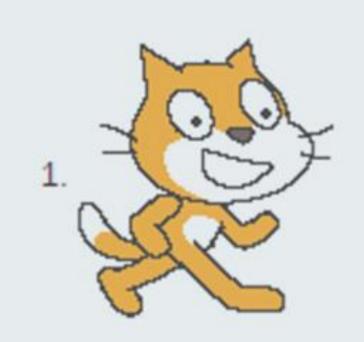
Adding sprites to your game

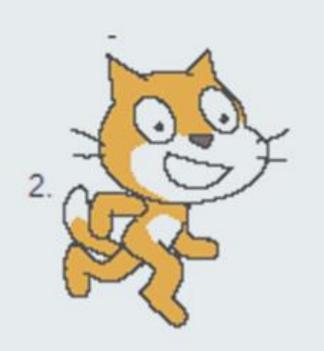
A costume is one out of possibly many "frames" or alternate appearances of a sprite. Sprites can change their look to any of its costumes. They can be named, edited, created, and deleted, but every sprite must have at least one costume



- 1) To see the costumes of a sprite, click on the Costumes Tab.
- 2) This will display a list of the costumes in the sprite, as well as open the paint editor.

Example of next costume





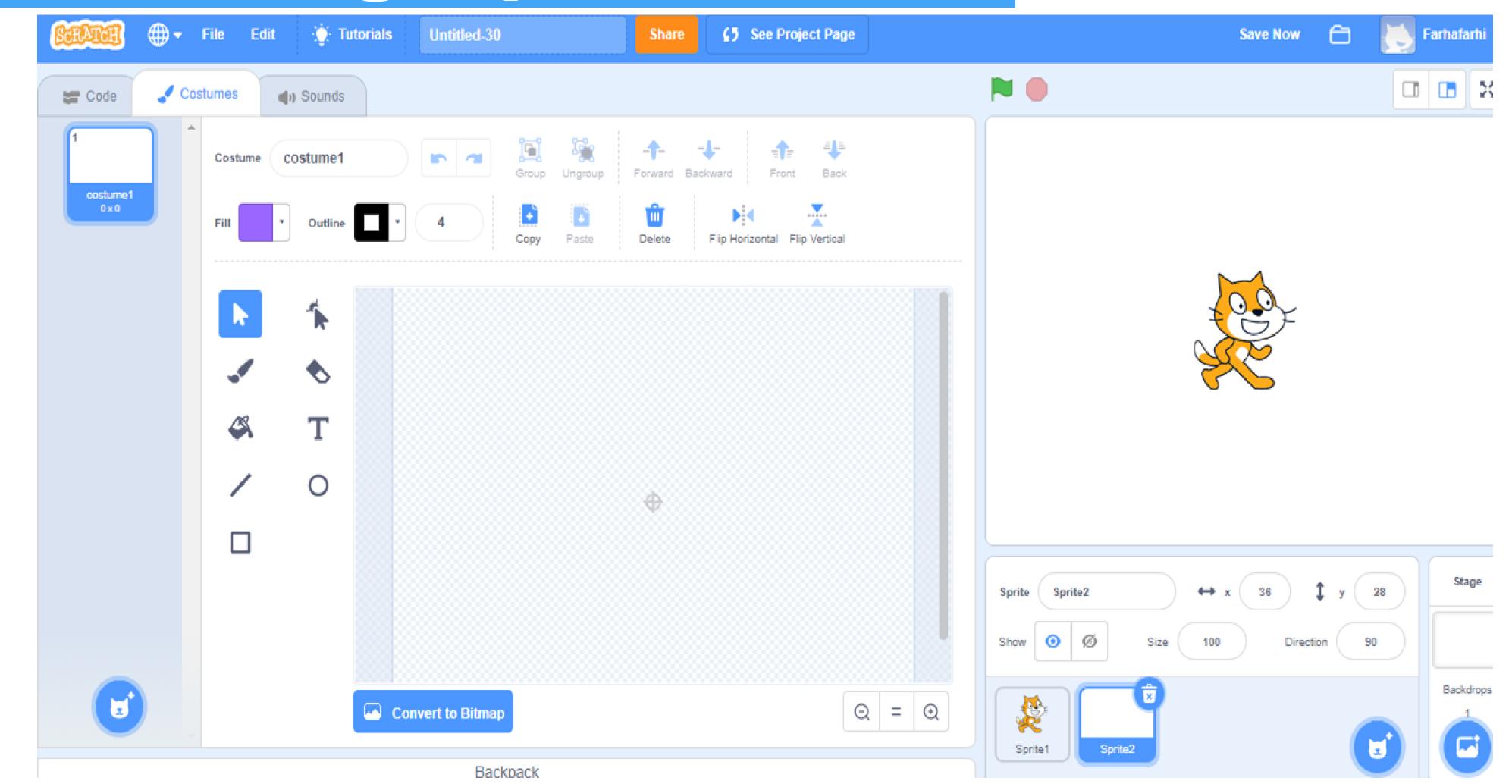








Painting Sprites



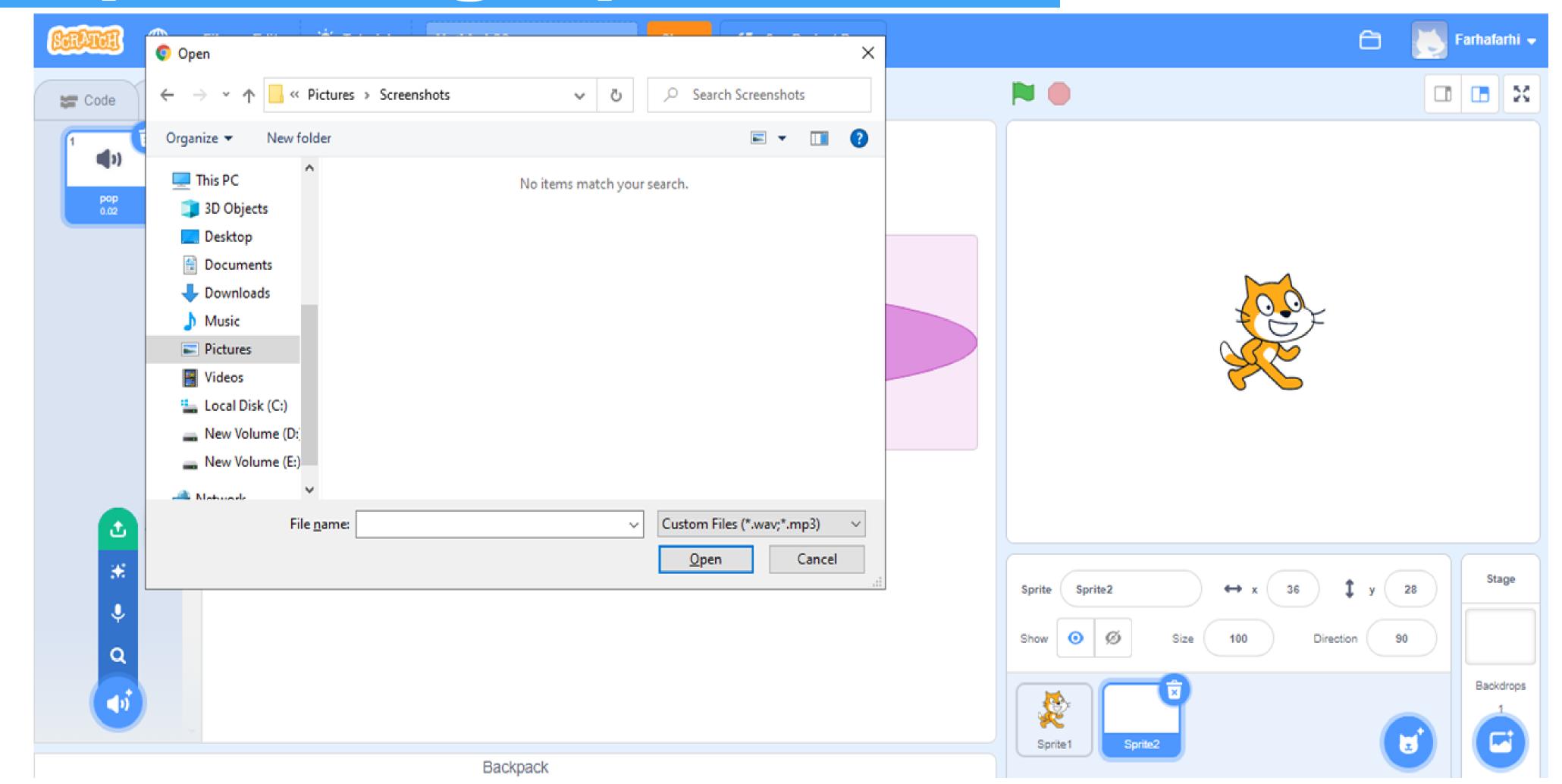








Uploading Sprites





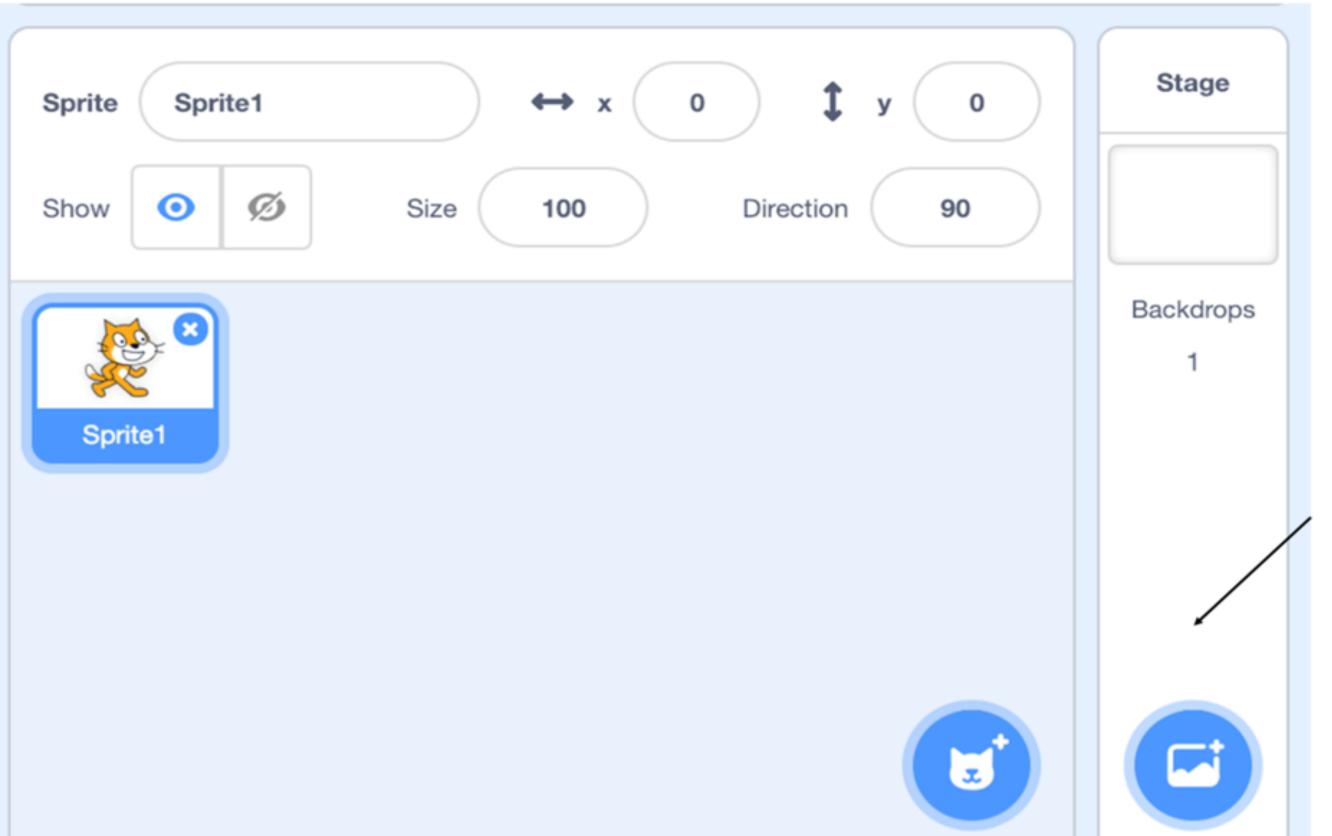






Adding backdrops to your game

A backdrop is an image that can be shown on the stage. It is similar to a costume, except that it is shown on the stage instead. They are located in the backdrops library.



Click here to add backdrop





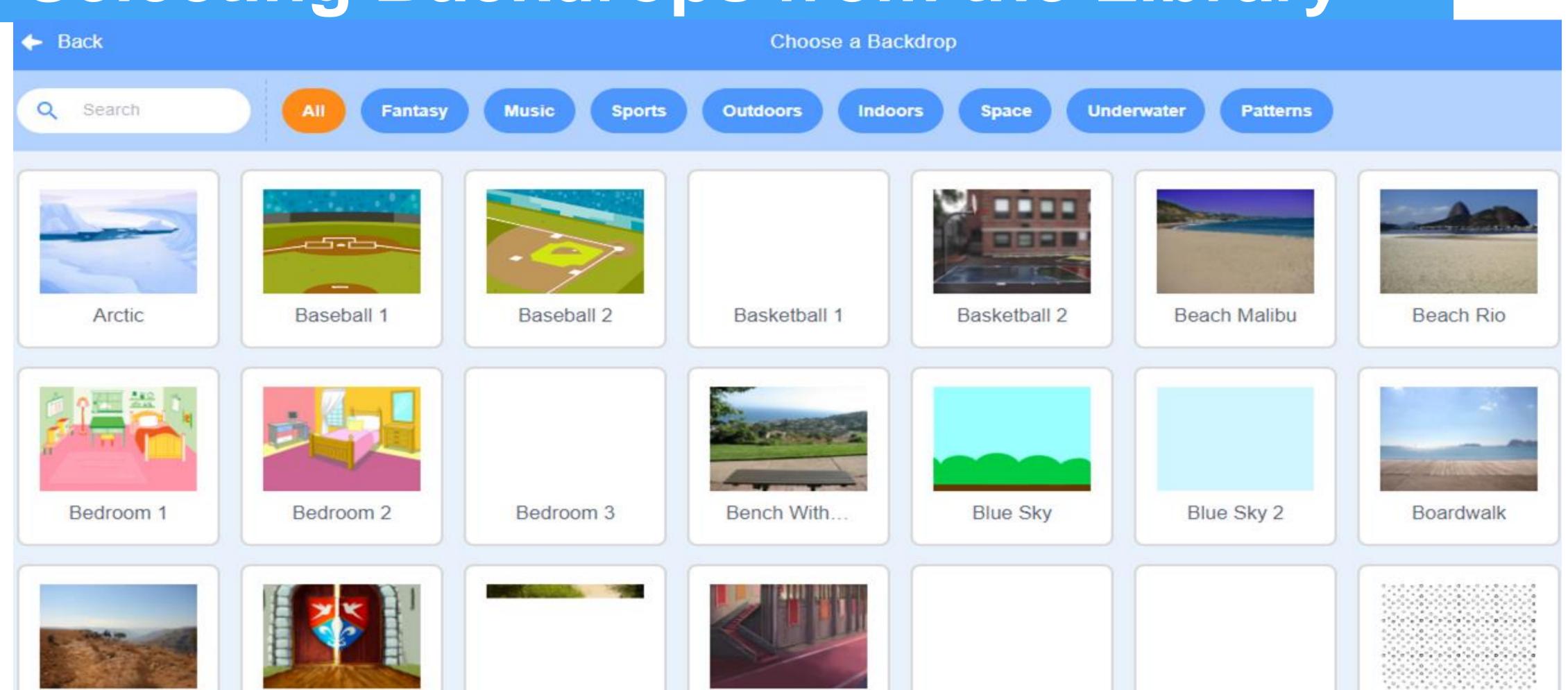
Castle 1

Canyon





Selecting Backdrops from the Library



Castle 3

Castle 4

Chalkboard

Circles

Castle 2

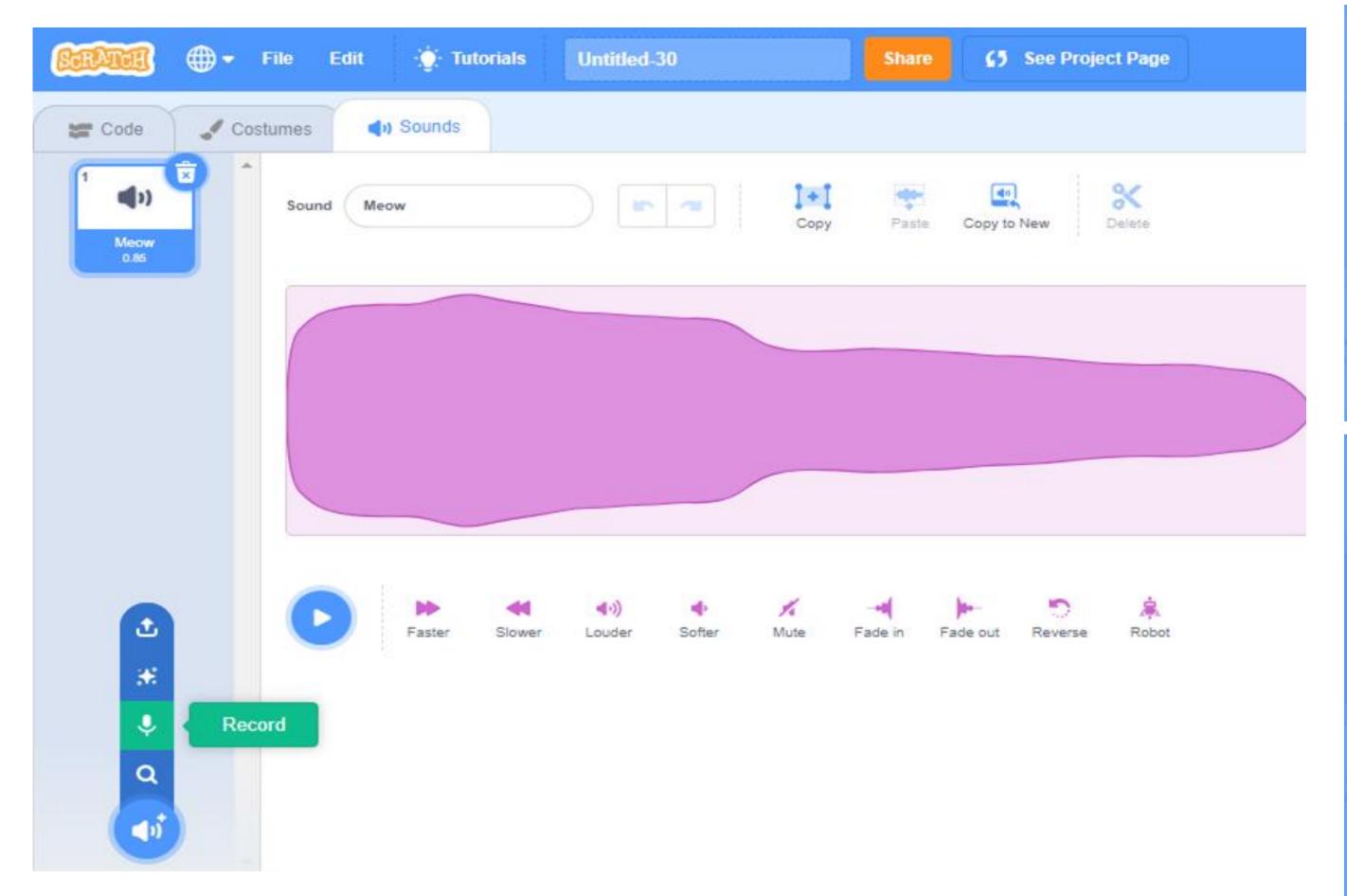


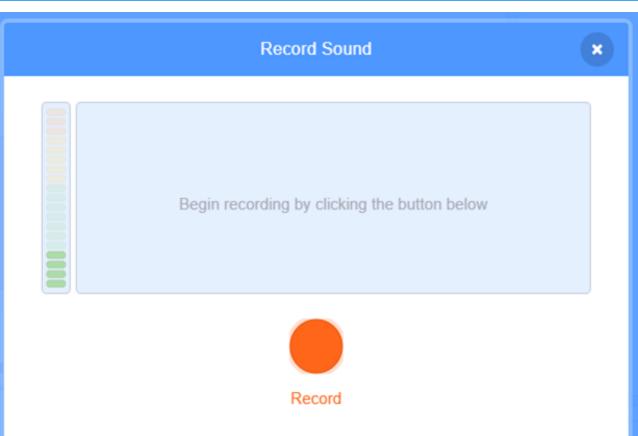


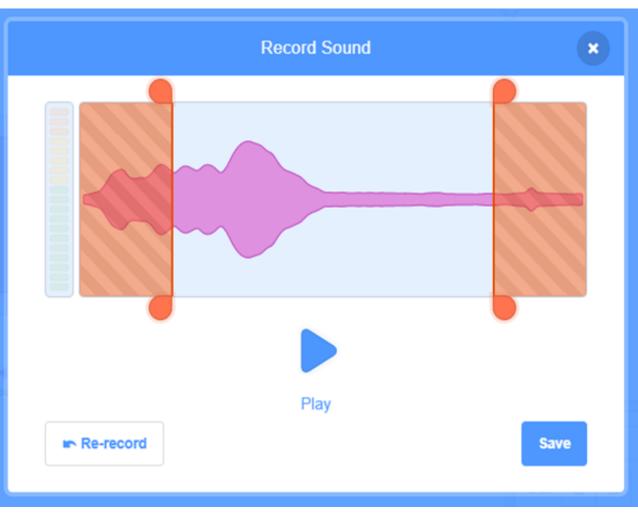




Adding Sounds to your game







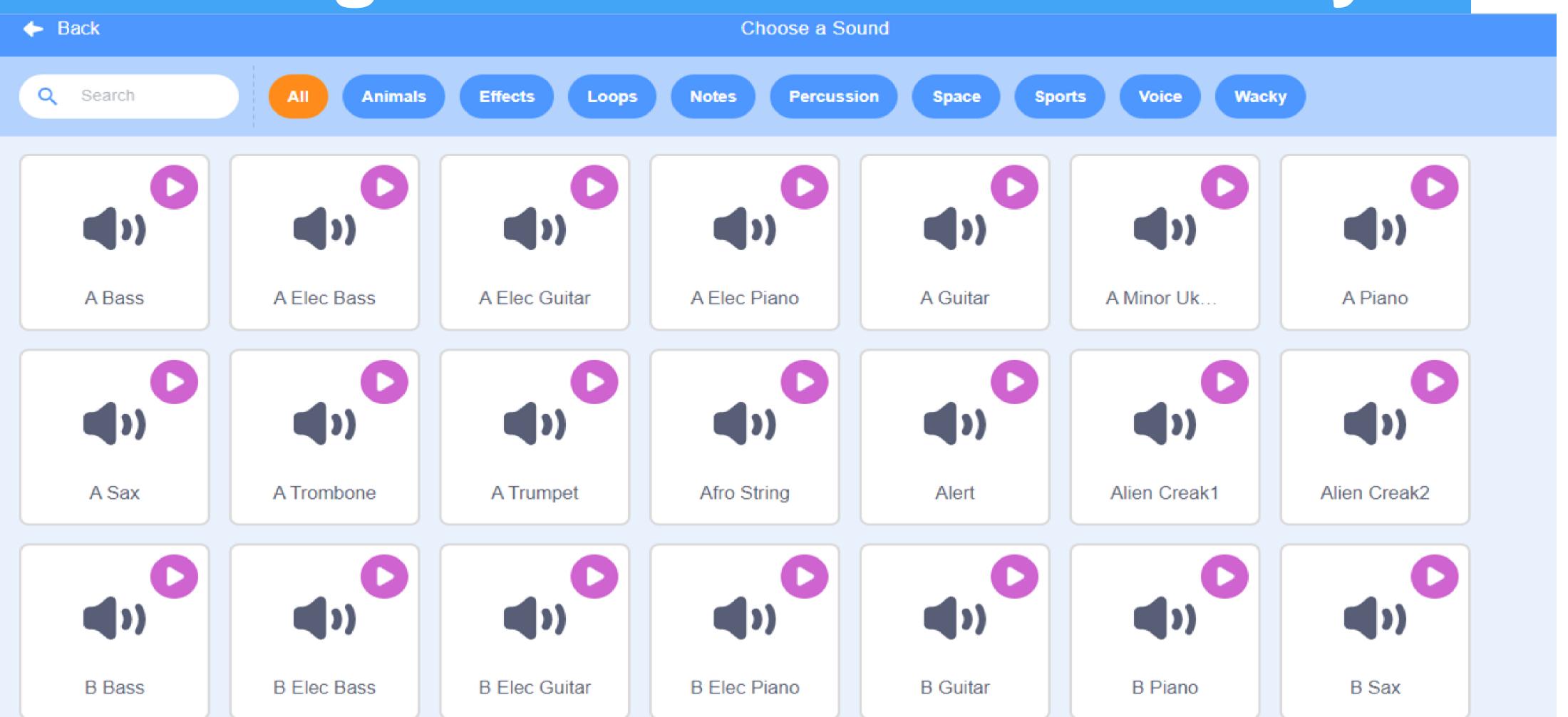








Selecting Sounds from the Library





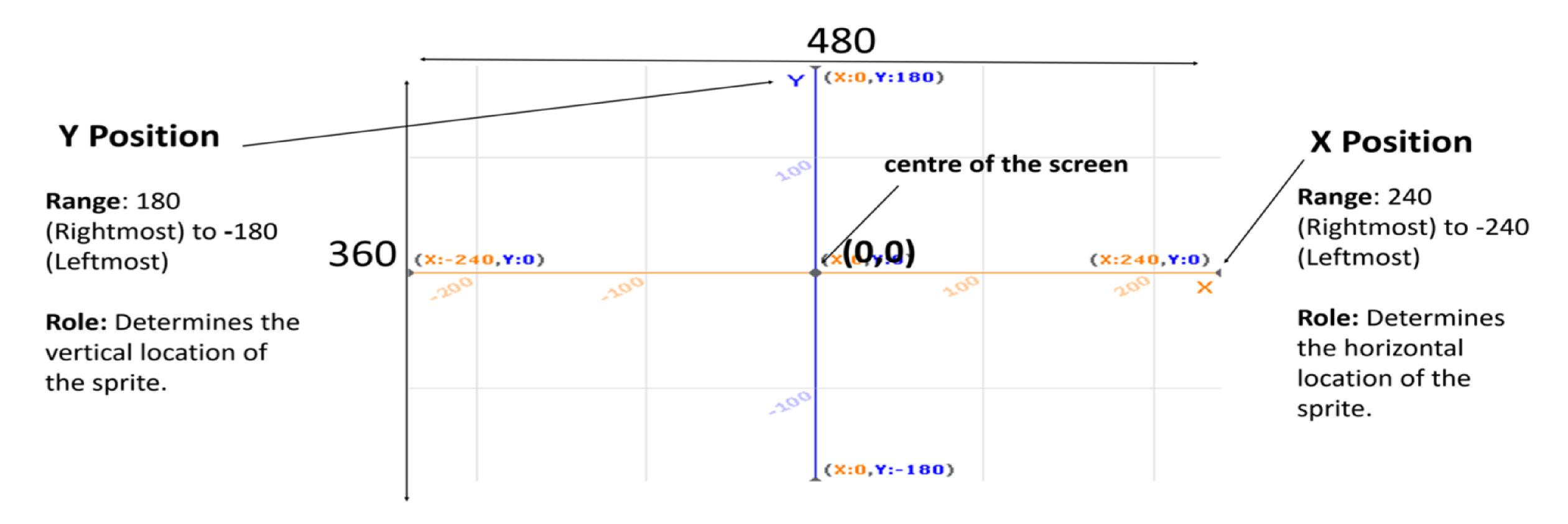






Role of Coordinates

Scratch determines where to display sprites through a coordinate system, or a mathematical grid of infinite values. (X,Y). The centre of the screen is (0, 0).







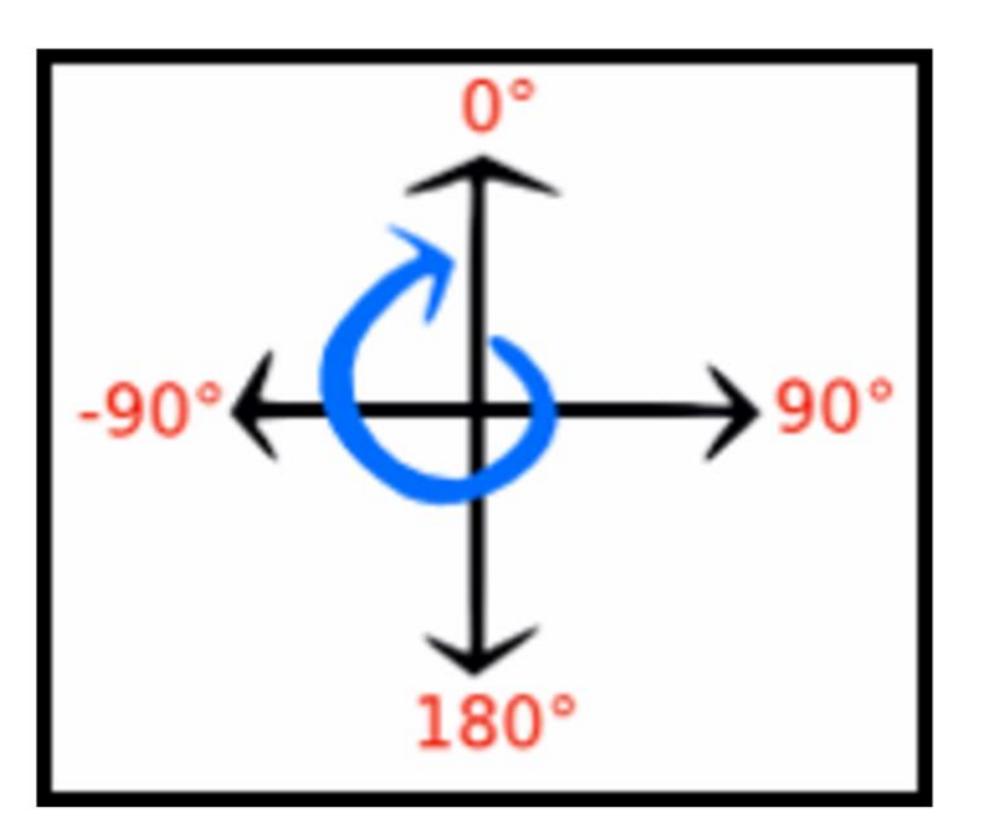




Directions in Scratch

Direction is determined by a rotational number system. The direction 0 is straight up.

90 is 90 degrees clockwise and -90 is 90 degrees counter-clockwise











Assignment of the Day

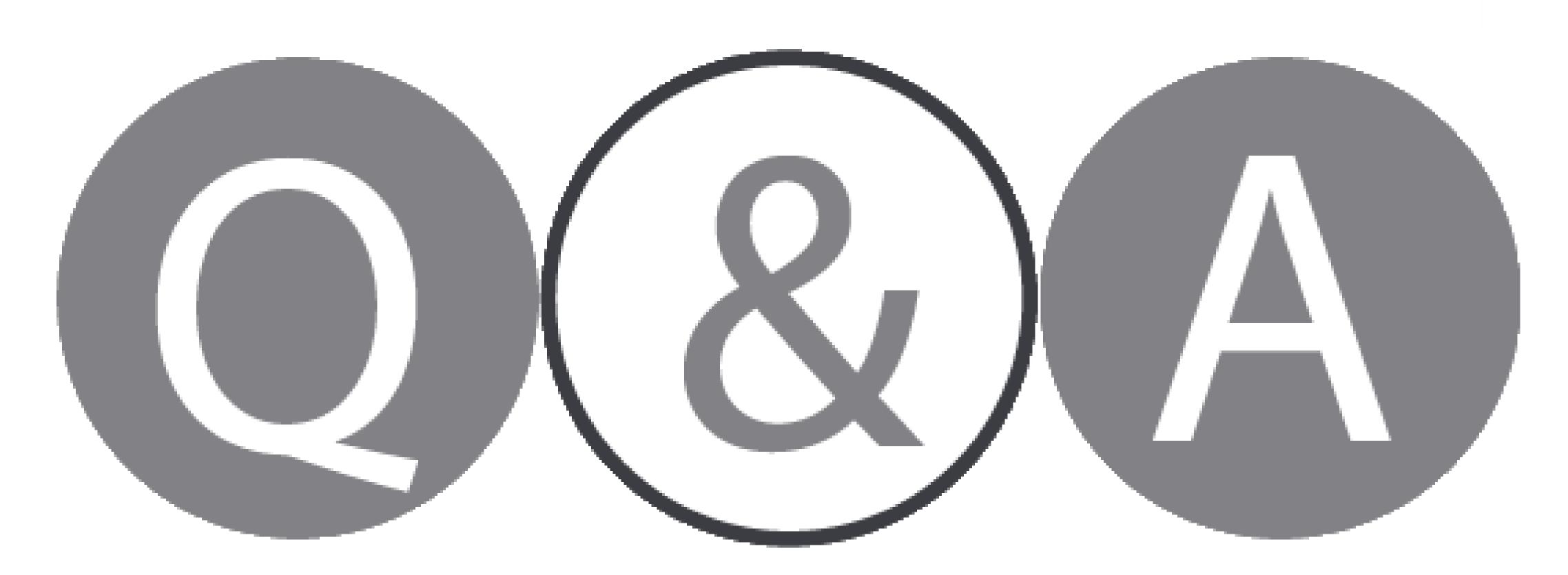
 Explore scratch interface and blocks to create an animal movement



















Thank You!

tech@learninglinksindia.org

To learn more about visit www.planetcode.in

For Feedback visit https://rb.gy/mi3xw9