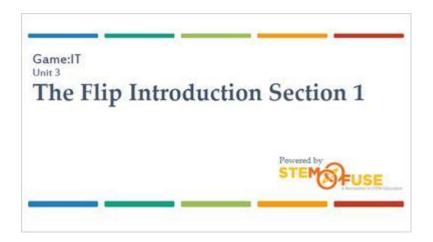
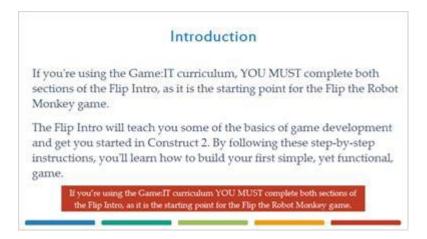
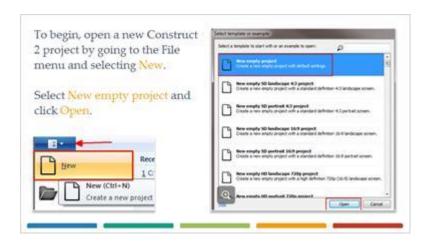
1 - Title Slide: The Flip Intro Section 1



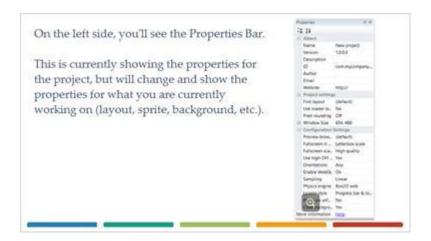
2 - Introduction



3 - New Empty Project



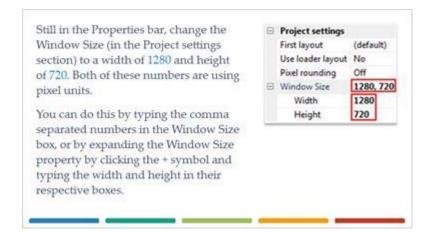
4 - Properties



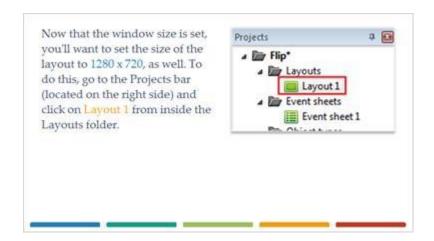
5 - Naming Your Game



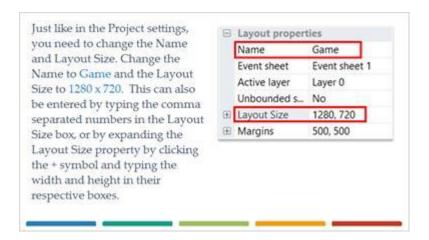
6 - Window Size Settings



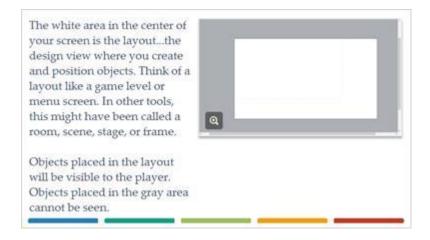
7 - Layouts



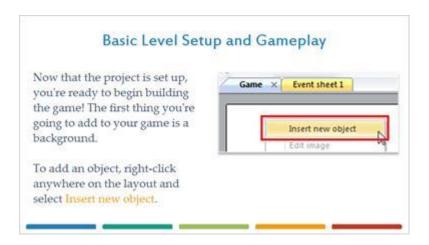
8 - Game And Layout Properties



9 - Layout



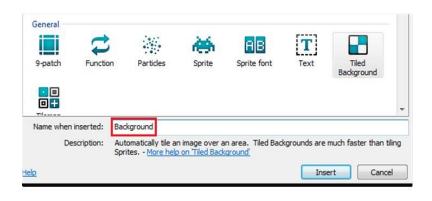
10 - Basic Level Setup and Gameplay



11 - Tiled Background Object



Background Image (Slide Layer)



12 - Tile Backgrounds

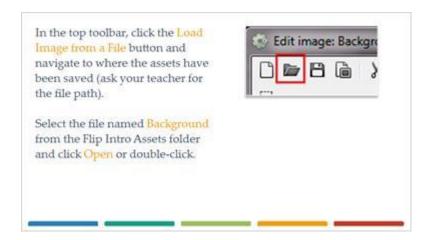
Now you will see a set of cross-hairs appear on your layout. The cross-hairs represent where the object will be inserted.

Click towards the top-left of your layout. This will bring up the image editor for the Tiled Background object type.

To learn more about tiled backgrounds,

Click Here

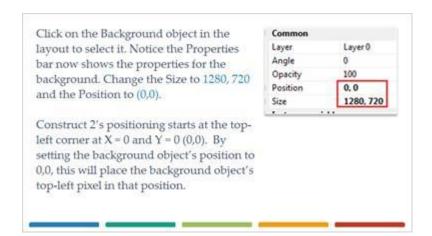
13 - Load Image



14 - Background Image



15 - Background Positioning

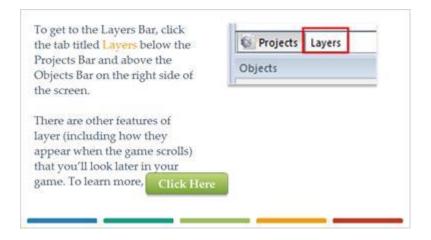


16 - Layers

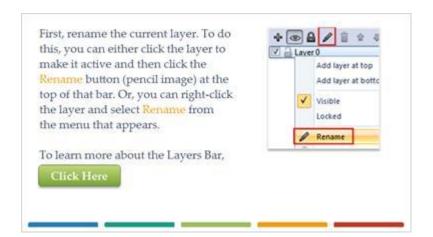
You can see that the background now covers the entire layout. Before you add another object to the game, you'll add a new layer to your game. Layers allow you to easily stack multiple objects on top of one another and control how they appear in your game.

Like in Photoshop, you can have more than one layer. The different layers that are common in games are for your Backgrounds, Text, and Sprites.

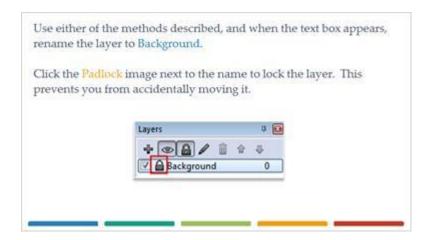
17 - Layers



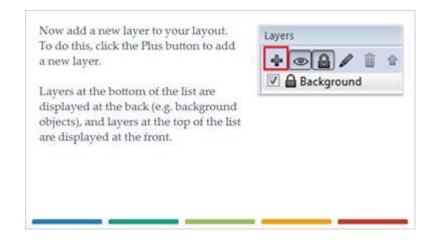
18 - Layers Rename



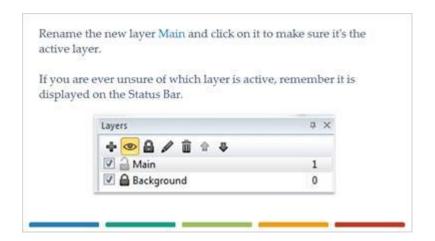
19 - Padlock



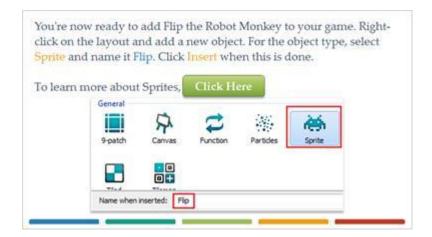
20 - Adding A New Layer



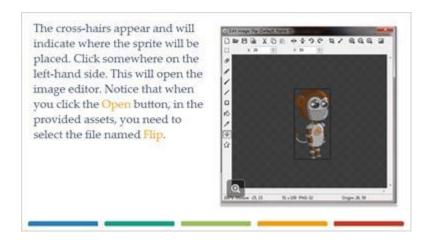
21 - Main Layer



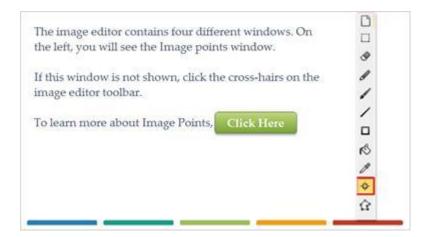
22 - Sprite Object



23 - Flip Object



24 - Image Points



25 - Image Points

The Image points window is used to add or edit image points on objects. Image points are used for many things. The origin is used to center the object where it's positioned.

You can also add more Image points. The buttons on the top are the same as the Layers bar. A reason you might want to add more image points is to spawn another object or to pin another object to the image.

26 - Setting Image Points

An easy way to center Image Points is to go over to the Image Point window, right-click the Image Point that you want to center, go down to Quick assign, and select Middle.

A shortcut key to center Image Points is to hit 5 on the Numpad.

By default, all Image Points start at the Middle of an object.

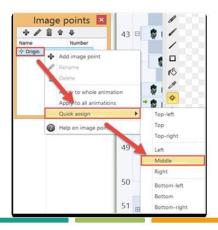
Arrow down to see the example from the Image Point window.

Check your image points any time your image or animations seem to

Check your image points any time your image or animations seem to be having issues. Examples of this could be when your animation seems jumpy or the image seems to be glitchy.

Show Image Points

Image Points (Slide Layer)



27 - Add Animation Frames

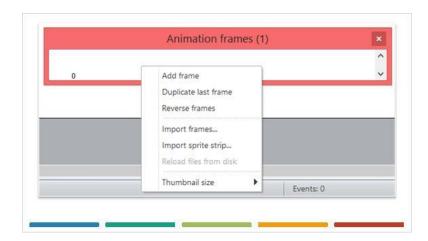
The bottom window is the Animation frames window. This handles all the frames of an animation and displays them all down there. Every image equals a frame.

To see the options for this window, you have to right-click whitespace. These options will be explored in more detail in later sections.

To learn more about the Animation Frames Window, Click Here

Show Animation Frames

Animation Frames (Slide Layer)



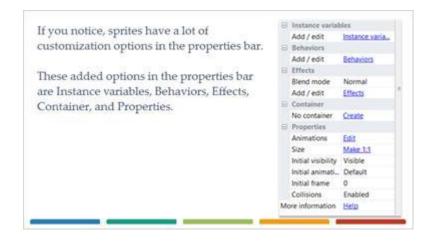
28 - Add Animation



29 - Image Editor



30 - Properties



31 - Variables, Behaviors, And Effects

Instance variables are variables that you assign only to certain objects. These can be something like Health, Score, Lives, or Powerups.

Behaviors are preprogrammed functionality for objects. Some examples of these are making an object solid, making an object not able to leave the layout, turret movement, and custom movement.

Effects are special effects that you can add to objects. Some examples are glow, intensity, and lighten. You will mostly use them for text objects.

32 - Container And Properties

The next section is Container. This is something that you will never use, but it basically can put two objects in one place and have one do the movement while the other can swivel to shoot. The container makes objects have separate movements but has them stay together.

Lastly are Properties. For sprite objects, you can turn initial visibility off and change the initial frame for animations. For text, this is where you would change your font, size, and alignment.

33 - Behaviors

Next, you'll add a behavior to the Flip object. Behaviors add predefined functionality to an object. In this case, you'll add the Platform behavior. This will give the object the ability to move left and right as well as jump.

To add a behavior, go to the Properties Bar on the left side of the screen and click the Behaviors link.

To learn more about Behaviors,

Click Here

Behaviors

Add / edit

Behaviors

34 - Platform Behavior



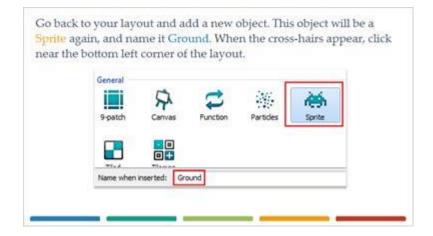
35 - Behavior Window

Close the Behavior window, and you can run your layout for the first time. To do this, go to the top menu bar and click the Run Layout button (Play button). This will run the layout that is active in the editor.

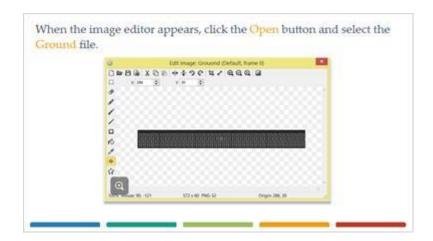
You'll see your layout appear, and Flip will simply fall off the screen. This is due to the fact that the Platform behavior adds gravity to the sprite. To fix this, you'll need to add a solid surface for Flip to walk on.

If you want to replay your game, you can always refresh your browser window, and the game will restart.

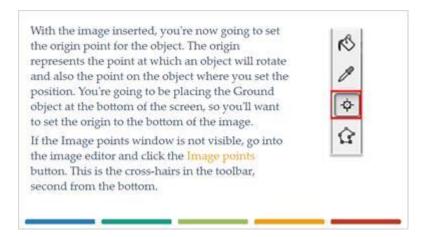
36 - Ground Sprite



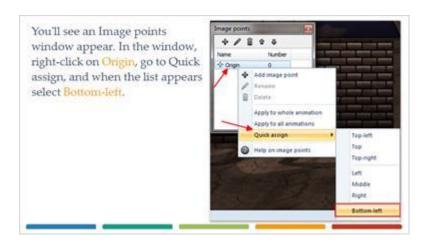
37 - Ground File



38 - Ground Image Points



39 - Quick Assign Image Points



40 - Ground Position

With the origin set, you can Close the Common image editor. Now, make sure the Layer Main Ground object is selected on the layout. Angle Go to the Properties Bar, and under Opacity 100 Common, set its Position to (0, 720) Position 0,720 Next, you'll want to make the Ground object solid. This will accomplish keeping Flip on your Game layout. To do this, click the Behaviors link and click the Plus button to add a new behavior.

41 - Solid Behaviors



42 - Success

