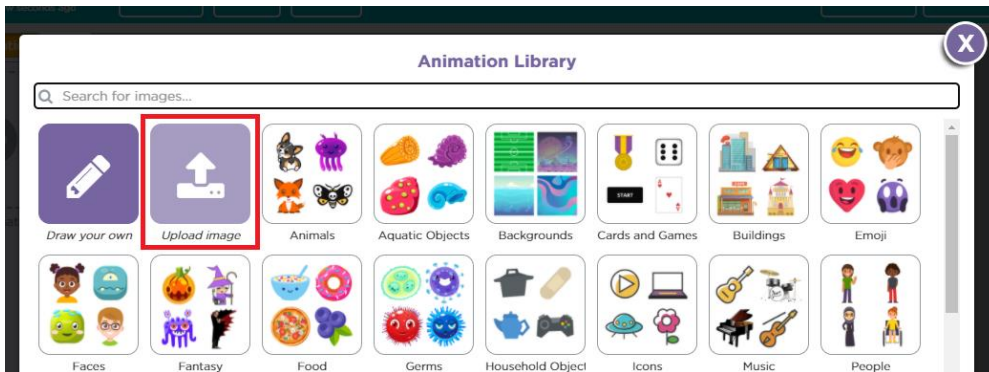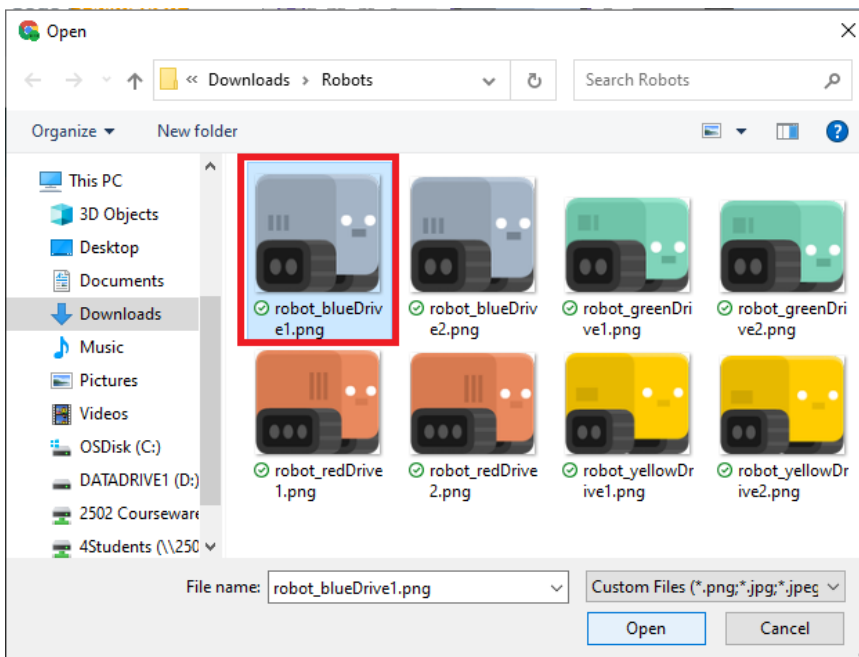# Robot Drivers – Making Your Own Animation

1. Download the Robots.zip from the website. Unzip the pictures.

2. Make a new animation.
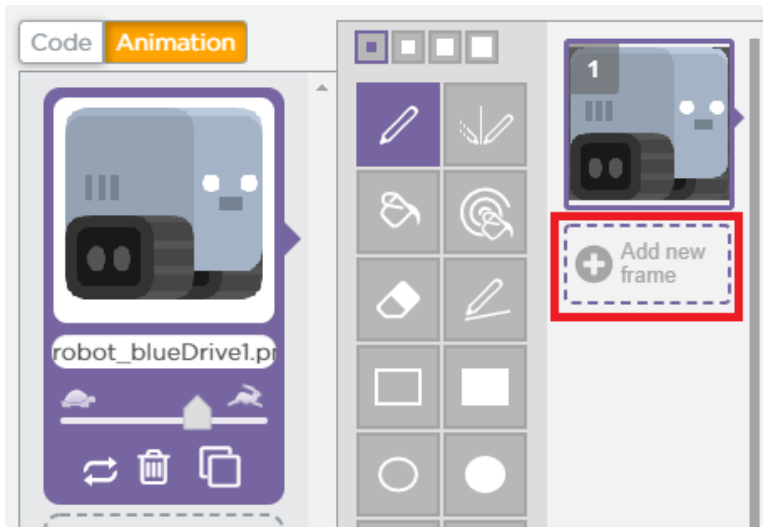

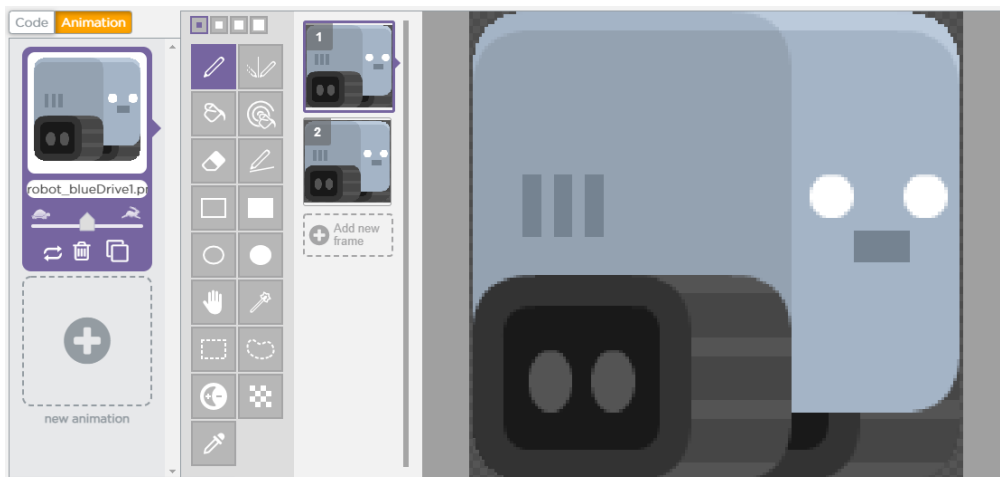3. Choose to upload images:

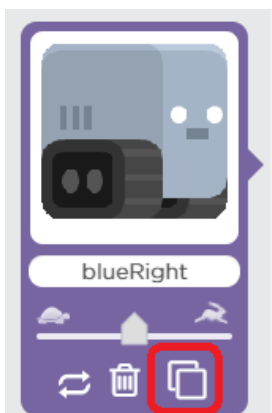4. Choose robot_blueDrive1.png.

5. Choose Add new frame.

6. Upload robot_blueDrive2.png

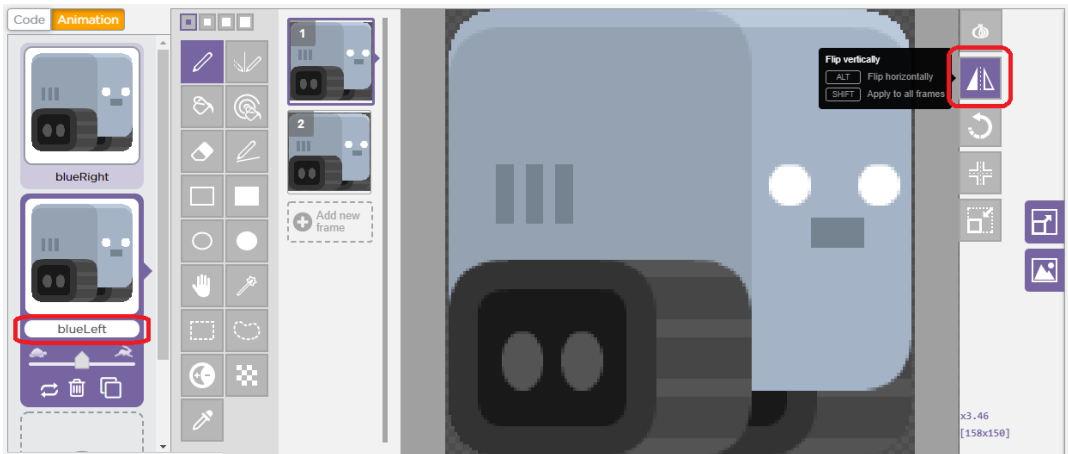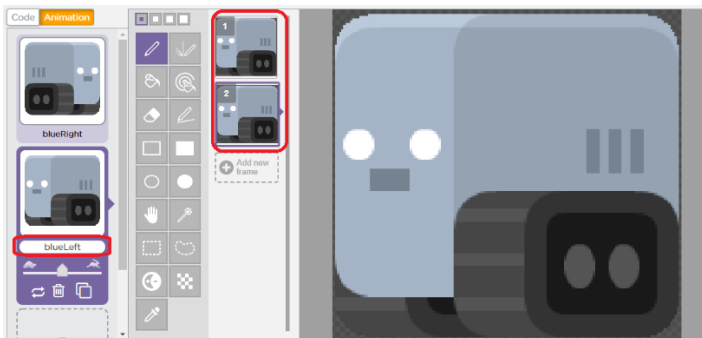7. Rename the sprite to blueRight.

8. Copy the sprite.

9. We are going to flip the second sprite so it goes left.

- Rename it to be blueLeft
- Select each frame and choose to flip it horizontally.

- When done, it should look like this:

10. Repeat the entire process to make a <mark>second robot driver</mark>.

(There are red, green, and yellow pictures, pick one).

11. Pick a background.

12. Before the drawLoop, set up the sprites.

```
1   var background = createSprite(200, 200) → ;
2   background.setAnimation(▼ "texture");
3   var blue = createSprite(100, 300) → ;
4   blue.setAnimation(▼ "blueLeft");
5   blue.velocityX = -5;
6   blue.scale =0.7;
7   //add second sprite here
```

13. Set up the drawLoop, flipping the pictures when the sprite reaches the edge.

```
8    function draw() { →
9        drawSprites();
10       if ( blue.x >400 ) {
11           blue.velocityX = -5;
12           blue.setAnimation(▼ "blueLeft");
13       }                        +
14       if ( blue.x <0 ) {
15           blue.velocityX = 5;
16           blue.setAnimation(▼ "blueRight");
17       }                        +
18       //add second sprite's ifs here
19   }
20
```

14. Add in the other robot.

- Make its velocity X be 5 (starting the opposite direction).
- It's starting picture should be the right picture.