

Lesson 1

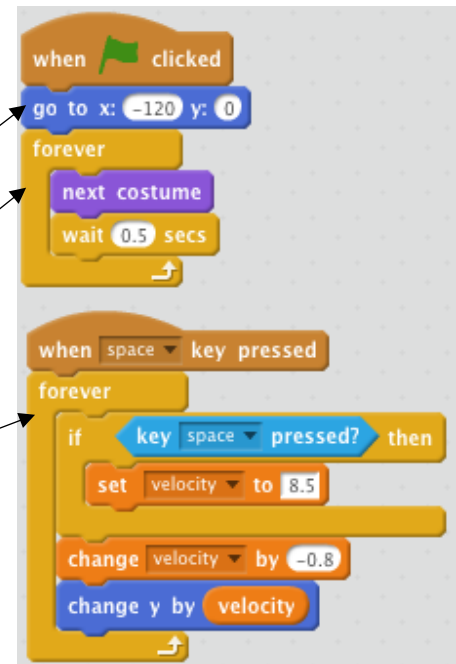
Flappy bird (beginner)

Bird

1) Upload the flappy bird background. Then upload a flappy bird sprite.

2) Make it always spawn at **x:-120 and y:0**.
If sprite has different costumes. **Add this:**

3) Make the bird move up and down by setting a velocity and changing it in a loop.



Lesson 2

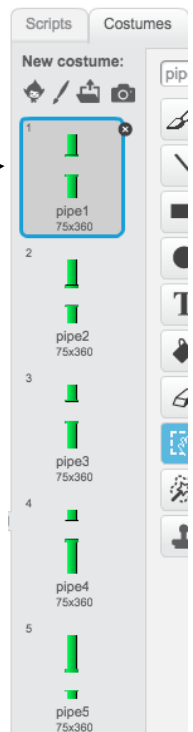
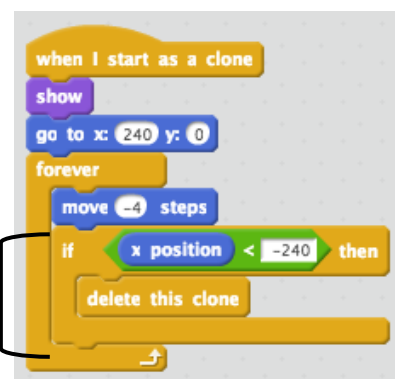
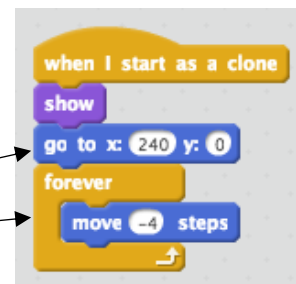
Pipes

1) Find a pipe sprite or create one and call it pipe 1. Under the pipe costumes tab, duplicate 5 or more pipe costumes and make them different lengths.

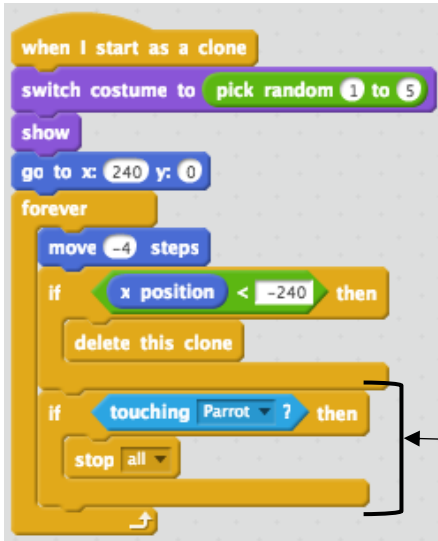
2) Now it's time to make them move. When the flag is clicked we want to **hide the first pipe** then **clone it ever 2 seconds**.

3) Let's simply just make the pipes move across the screen. Set them to **x:240 & y:0**. And in a forever loop make it **move -4 steps**.

4) Now we must make the pipes disappear when they hit the end of the screen.



5) Then to make the pipes switch to random positions, add **switch costume to (pick random 1 to #OF COSTUMES)**.



7) Lastly, if the pipe touches the parrot, stop ALL.

Lesson 3

Scoring & health

1) Every time the bird passes a pipe the score should increase. **Create a variable.**
Score = 0.

2) Once it is passed the **x positions of the bird**, it increases by 1.

3) Create a **health variable** and set it to 100.

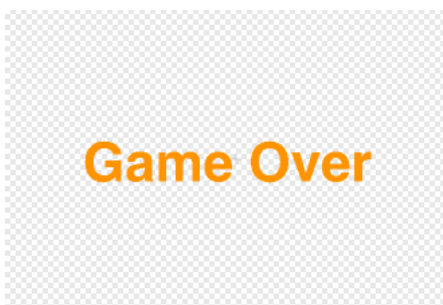
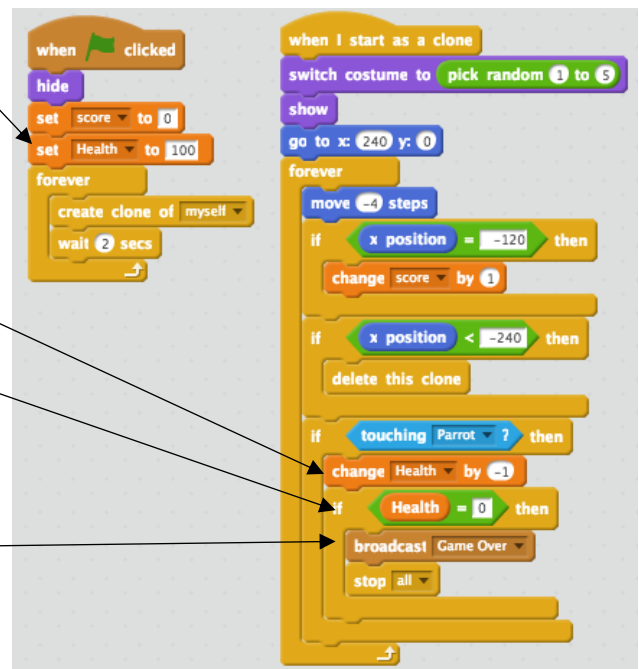
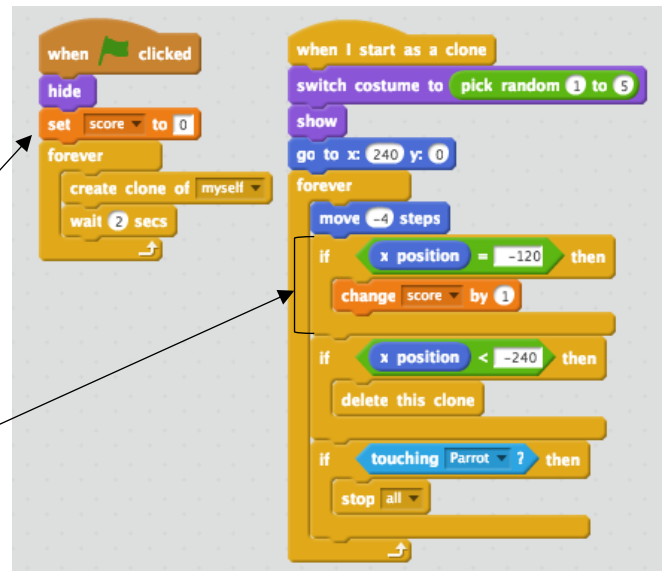
4) If it touches the parrot, change **health by -1**. If it equals 0 then stop.

5) If health = 0 then stop all.

Game Over

6) Create a game over sprite. Broadcast a game over message.

7) The game over sprite should look like this:



Extra Challenges

- 1) Go to the bird sprite. If the bird hits the bottom of the screen, make the game end.

