

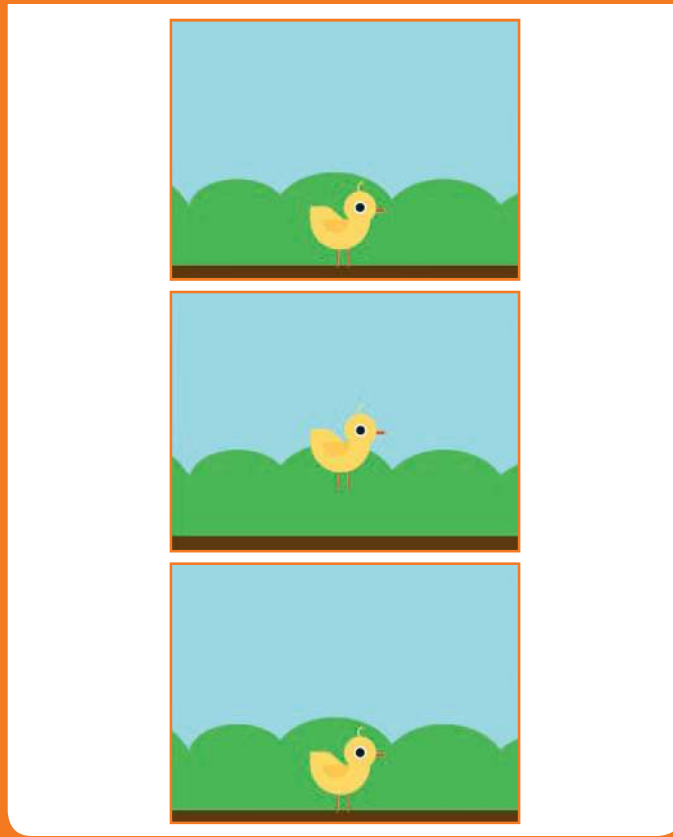
Jumping Game Cards

Use these cards in this order:

- 1. Jump**
- 2. Go to Start**
- 3. Moving Obstacle**
- 4. Add a Sound**
- 5. Stop the Game**
- 6. Add More Obstacles**
- 7. Score**

Jump

Make a character jump.



Jumping Game

1

SCRATCH

Jump

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GET READY



Choose a backdrop.



Blue Sky



Choose a character,
like Chick.



Chick

ADD THIS CODE



```
when space key pressed
repeat 10
  change y by 10
repeat 10
  change y by -10
```

Type a minus sign
to go back down.

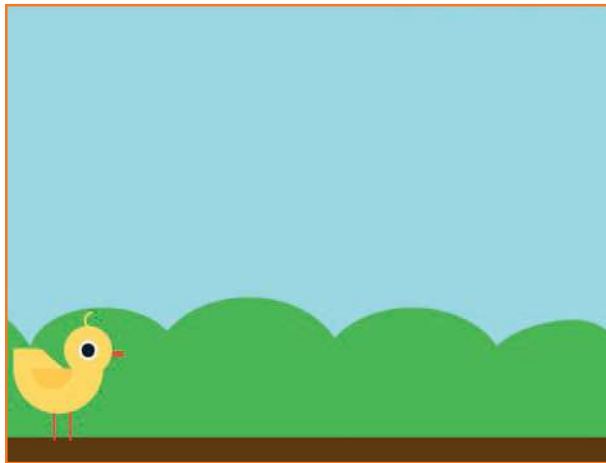
TRY IT



Press the **space** key on your keyboard.

Go to Start

Set the starting point for your sprite.



Go to Start

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GET READY



Drag your character to where you want it.



When you move your character, its **x** and **y** position will update in the blocks palette.

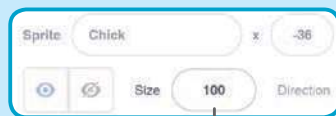
Now when you drag out a **go to** block, it will set to your character's new position.

ADD THIS CODE



Set the starting position. (Your numbers may be different.)

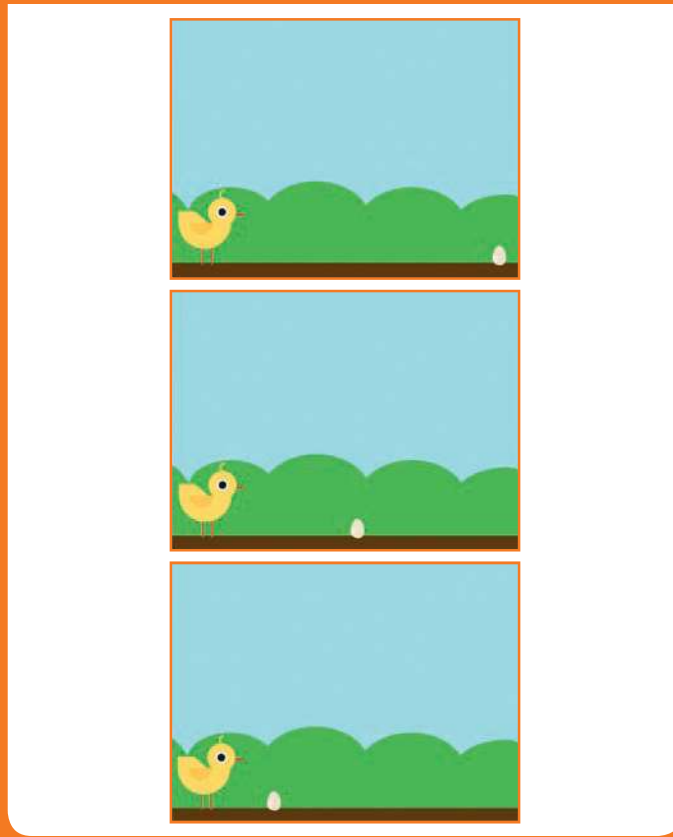
TIP



Change the size of a sprite by typing a smaller or larger number.

Moving Obstacle

Make an obstacle move
across the Stage.



Moving Obstacle

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GET READY

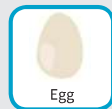


Choose a sprite to be an obstacle, such as Egg.



Egg

ADD THIS CODE



Egg

```
when green flag clicked
  forever loop
    go to x: 240 y: -145
    glide 3 secs to x: -240 y: -145
```

Start at the right edge of the Stage.

Glide to the left edge of the Stage.

Type a smaller number to go faster.

TRY IT

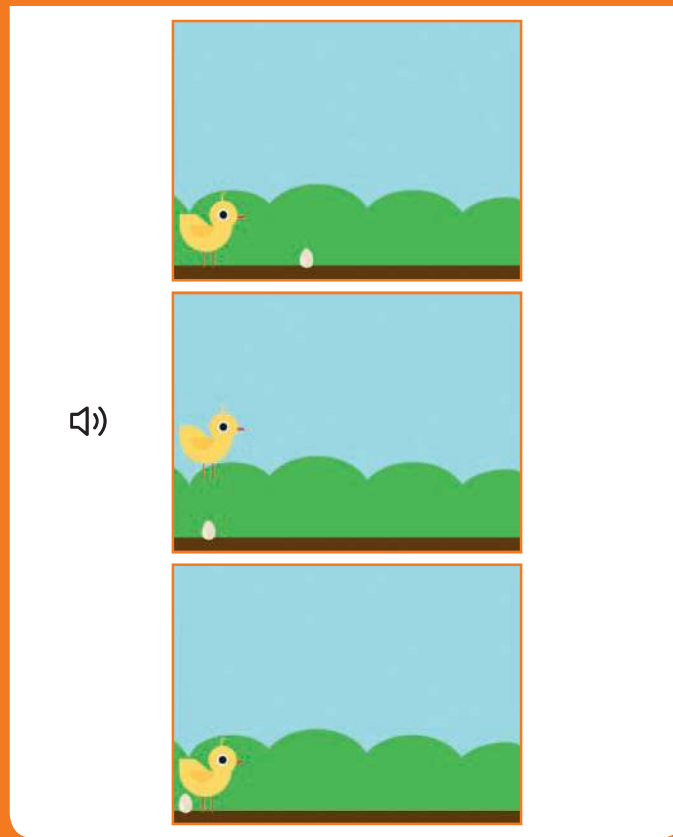
Click the green flag to start.



Press the **space** key on your keyboard.

Add a Sound

Play a sound when your sprite jumps.

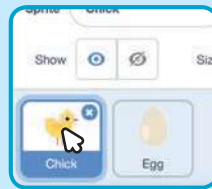


Add a Sound

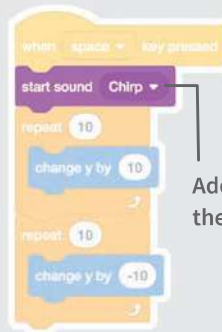
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GET READY

Click to select the Chick sprite.



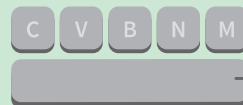
ADD THIS CODE



Add the **start sound** block, then select a sound.

TRY IT

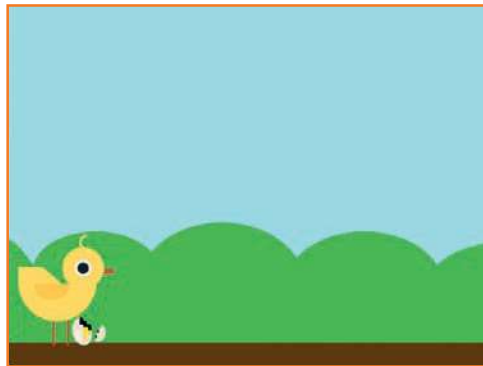
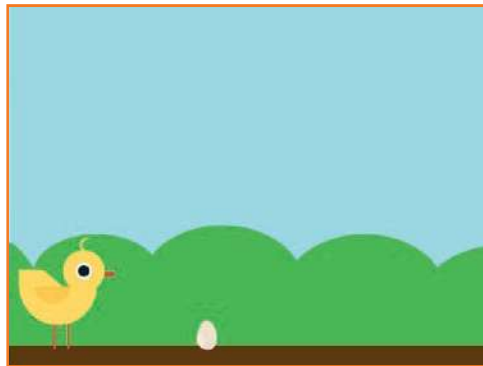
Click the green flag to start.



Press the **space** key on your keyboard.

Stop the Game

Stop the game if your sprite touches the egg.



Stop the Game

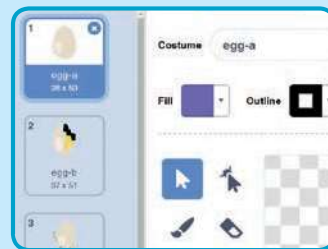
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GET READY

Click to select the Egg sprite.



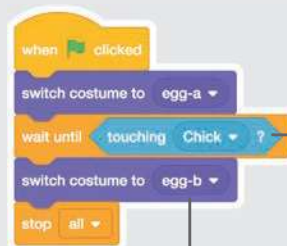
Click the **Costumes** tab to see the Egg sprite's costumes.



ADD THIS CODE



Click the **Code** tab and add this code.



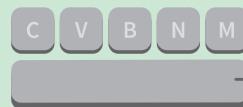
Insert the **touching** block and choose **Chick** from the menu.



Choose a second costume for the Egg sprite to change to.

TRY IT

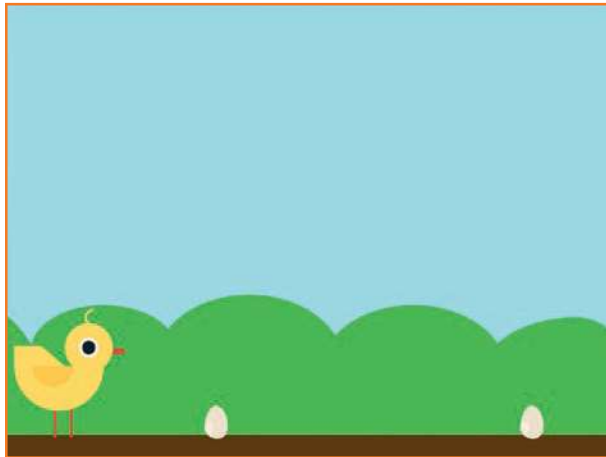
Click the green flag to start.



Press the **space** key on your keyboard.

Add More Obstacles

Make the game harder by adding more obstacles.



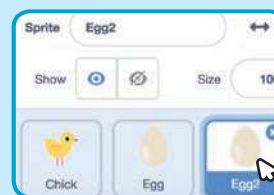
Add More Obstacles

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GET READY

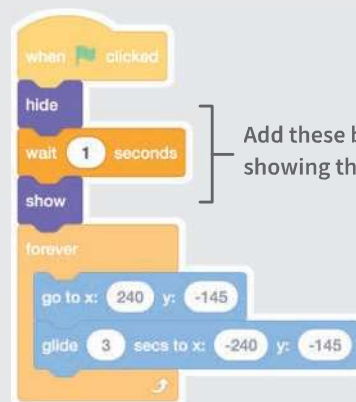
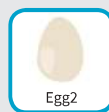


To duplicate the Egg sprite, right-click (Mac: control-click) on the thumbnail, and then choose **duplicate**.



Click to select Egg2.

ADD THIS CODE



Add these blocks to wait before showing the second egg.

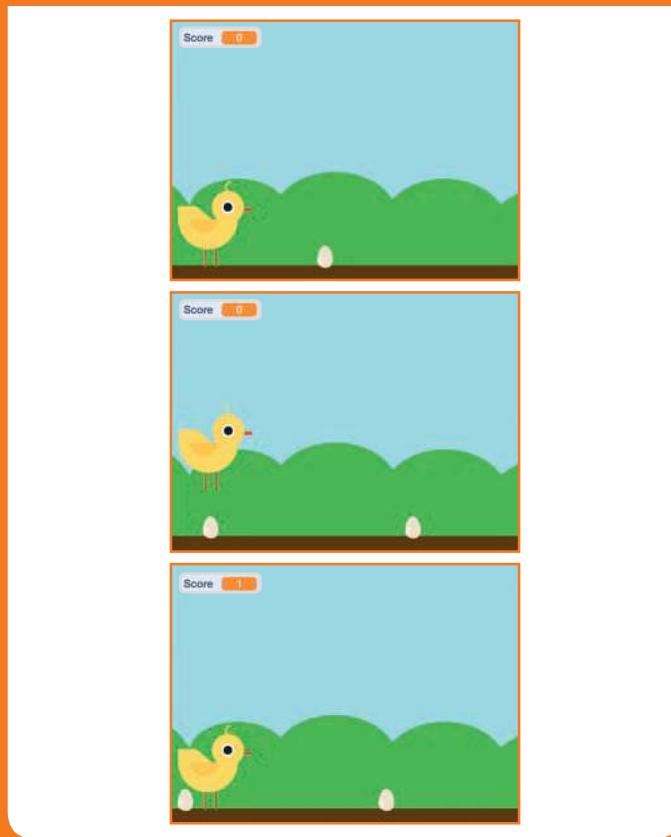
TRY IT

Click the green flag to start.



Score

Add a point each time your sprite jumps over an egg.



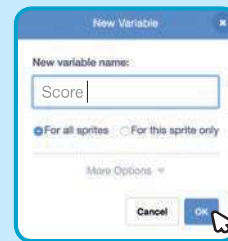
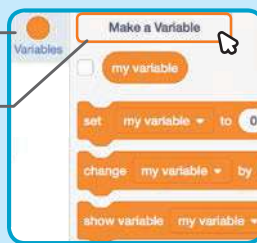
Score

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GET READY

Choose **Variables**.

Click the **Make a Variable** button.



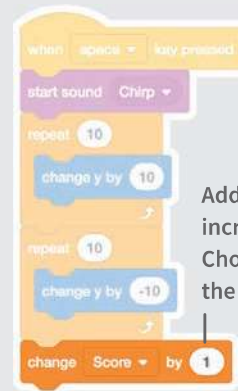
Name this variable **Score** and then click **OK**.

ADD THIS CODE

Click the Chick sprite and add two blocks to your code:



Add this block and then choose **Score** from the menu.



Add this block to increase the score. Choose **Score** from the menu.

TRY IT

Jump over the eggs to score points!