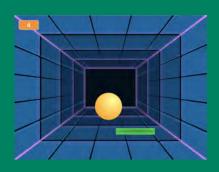
Pong Game Cards









Make a bouncing ball game and score points to win!



Pong Game Cards

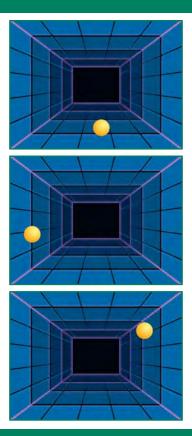
Use these cards in this order:

- 1. Bounce Around
- 2. Move the Paddle
- 3. Bounce off the Paddle
- 4. Game Over
- 5. Score Points
- 6. Win the Game



Bounce Around,

Make a ball move around the Stage.





Bounce Around

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GET READY



Choose a backdrop.





Choose a ball.



ADD THIS CODE





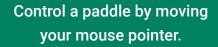
Type a larger number to move faster.

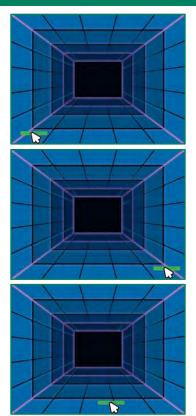
TRY IT

Click the green flag to start. -



Move the Paddle





Move the Paddle

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GET READY





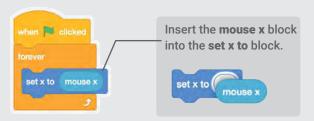
Choose a sprite for hitting the ball, like Paddle.



Then, drag your paddle to the bottom of the Stage.

ADD THIS CODE





TRY IT

Click the green _______ flag to start.

Move your mouse pointer \mathcal{D} to move the paddle.

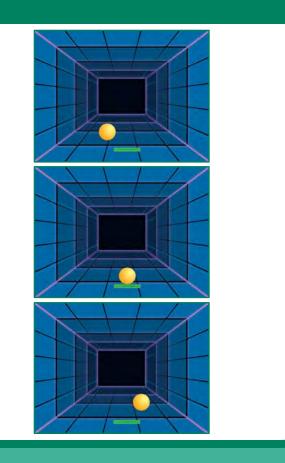


You can see the x position of the paddle change as you move the mouse pointer across the Stage.



Bounce Off the Paddle







Bounce Off the Paddle

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GET READY

Click to select the Ball sprite.



ADD THIS CODE

Add this new stack of blocks to your Ball sprite.



```
Choose Paddle
from the menu.

If touching Paddle ? then

turn C pick random 170 to 190 degrees

move 15 steps

wait 0.5 seconds

Insert the pick random block and type in 170 to 190
```

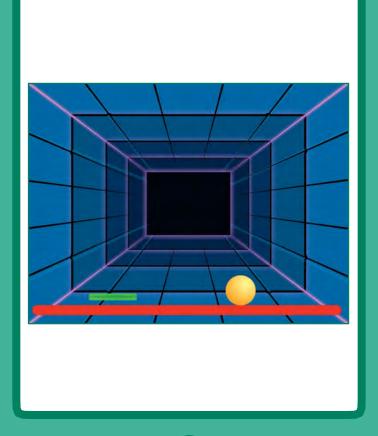
TRY IT

Click the green flag to start.



Game Over

Stop the game if the ball hits the red line.





Game Over

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GET READY





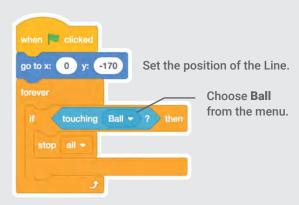
Choose the sprite called Line.



Drag the Line sprite to the bottom of the Stage.

ADD THIS CODE



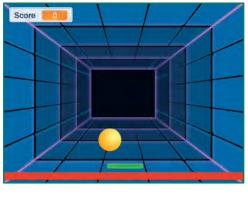


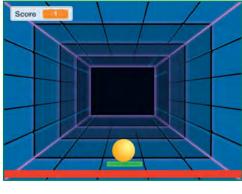
TRY IT

Click the green flag to start.

Score Points

Add a point each time you hit the ball with the paddle.





Score Points

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GET READY

Choose Variables.

Click the Make a Variable button.



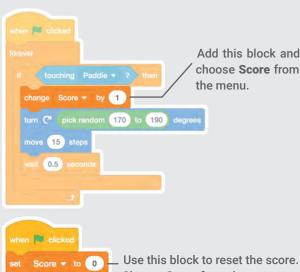


Name this variable Score and then click OK.

ADD THIS CODE

Click to select the Ball sprite.







Win the Game

When you score enough points, display a winning message!



Win the Game

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GET READY



Click the **Paint** icon to make a new sprite.

Use the **Text** tool to write a message, like "You Won!"



You can change the font color, size, and style.

ADD THIS CODE



Click the Code tab.



Type the number of points needed to win the game.

hide

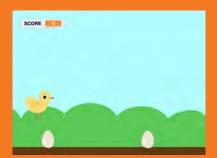
wait until Score = 5

Insert the Score block into the equals block from the Operators category.

TRY IT

Play until you score enough points to win!

Jumping Game Cards









Make a character jump over moving obstacles.

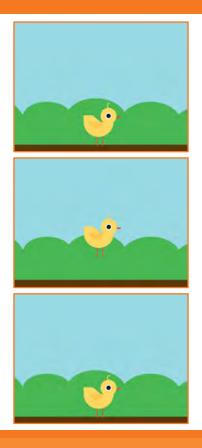
Jumping Game Cards

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.





GET READY



Choose a backdrop.

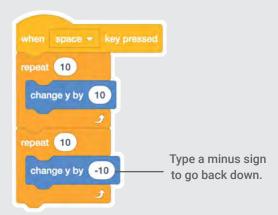






ADD THIS CODE





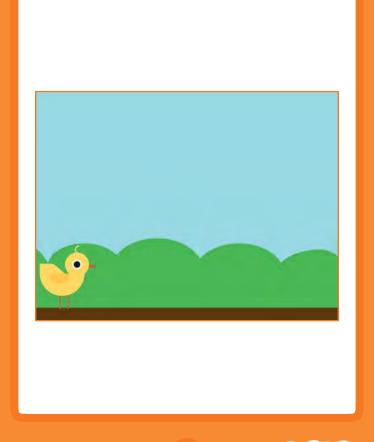
TRY IT



Press the space key on your keyboard.

Go to Start

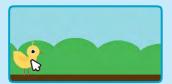
Set the starting point for your sprite.



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

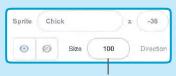






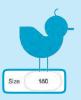
Set the starting position. (Your numbers may be different.)

TIP





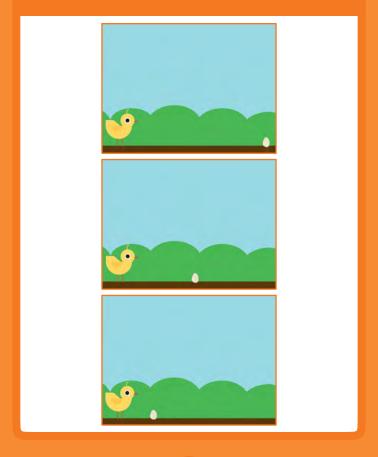




Change the size of a sprite by typing a smaller or larger number.

Moving Obstacle

Make an obstacle move across the Stage.



Moving Obstacle

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GET READY

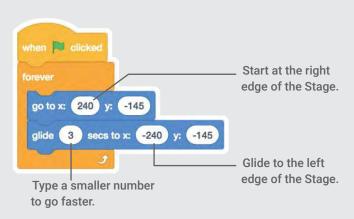


Choose a sprite to be an obstacle, such as Egg.



ADD THIS CODE





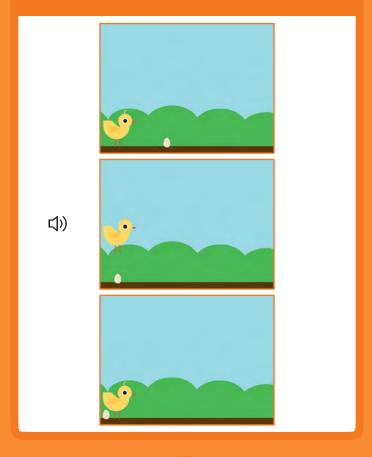
TRY IT





Add a Sound

Play a sound when your sprite jumps.



Add a Sound

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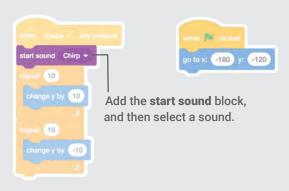
GET READY

Click to select the Chick sprite.



ADD THIS CODE





TRY IT

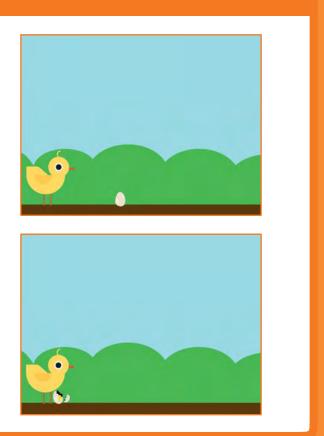




Press the **space** key on your keyboard.

Stop the Game

Stop the game if your sprite touches the egg.



Stop the Game

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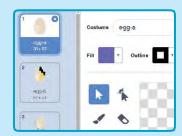
GET READY

Click to select the Egg sprite.





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

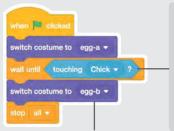


ADD THIS CODE



Code Click the Code tab and add this code.





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

Insert the touching block and choose Chick from the menu.

touching mouse-pointer = ? mouse-pointer

TRY IT

Click the green flag to start.

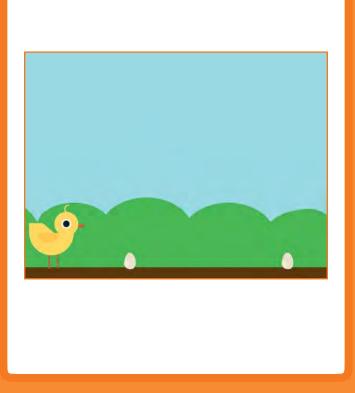




Press the space key on your keyboard.

Add More Obstacles

Make the game harder by adding more obstacles.



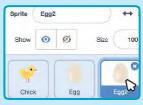
Add More Obstacles

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GET READY



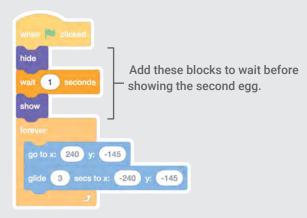
To duplicate the Egg sprite, rightclick (Mac: control-click) on the thumbnail, and then choose **duplicate**.



Click to select Egg2.

ADD THIS CODE



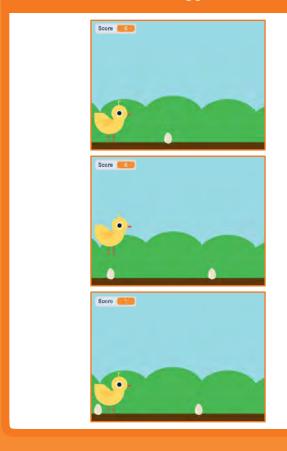


TRY IT

Click the green flag to start.

Score

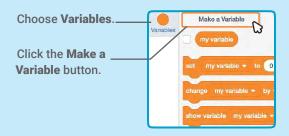
Add a point each time your sprite jumps over an egg.



Score

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GET READY





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

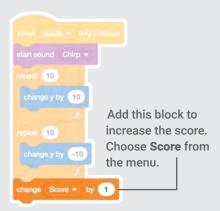
ADD THIS CODE

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





Add this block to reset the Score. Choose **Score** from the menu.



TRY IT

Jump over the eggs to score points!