# Animate a Character Cards









Bring characters to life with animation.

SCRATCH

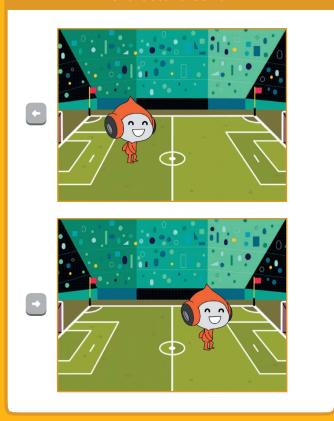
# Animate a Character Cards

Try these cards in any order:

- Move with Arrow Keys
- · Make a Character Jump
- Switch Poses
- Glide from Point to Point
- Walking Animation
- Flying Animation
- Talking Animation
- Draw an Animation

### **Move with Arrow Keys**

Use the arrow keys to move your character around.



### **Move with Arrow Keys**

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### **GET READY**







Choose a character.



#### **ADD THIS CODE**

### Change x

Move your character side to side.





Type a minus sign to move left.

### **Change y**

Move your character up and down.



Type a minus sign to move down.



#### **TRY IT**

Press the arrow keys on your keyboard to move your character around.

### Make a Character Jump

Press a key to jump up and down.





### Make a Character Jump

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### **GET READY**



Choose a backdrop.



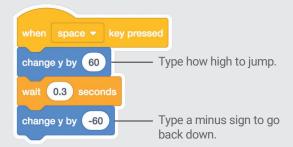


Choose a character.



### **ADD THIS CODE**





#### **TRY IT**



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

### **Switch Poses**

Animate a character when you press a key.





### **Switch Poses**

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### **GET READY**

Choose a character with multiple costumes, like Max.





Scroll over sprites in the Sprite Library to see if they have different costumes.

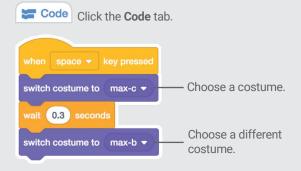




Click the **Costumes** tab to view all of your sprite's costumes.

### **ADD THIS CODE**





#### **TRY IT**



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

## Glide from Point to Point

Make a sprite glide from point to point.





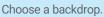


### **Glide from Point to Point**

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### **GET READY**







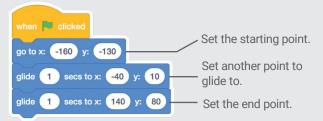


Choose a character.



#### **ADD THIS CODE**





### **TRY IT**

Click the green flag to start.

### TIP





When you drag a sprite, its **x** and **y** positions will update in the blocks palette.

### **Walking Animation**

Make a character walk or run.





### **Walking Animation**

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### **GET READY**



Choose a backdrop.





Choose a walking or running sprite.



#### **ADD THIS CODE**





### **TRY IT**



Click the green flag to start.

### **TIP**



If you want to slow down the animation, try adding a **wait** block inside the **repeat** block.

### Flying Animation

Have a character flap its wings as it moves across the stage.





### **Flying Animation**

### **GET READY**







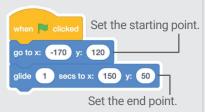


Choose Parrot (or another flying sprite).

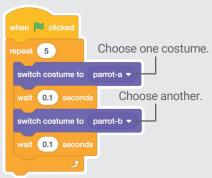


#### **ADD THIS CODE**

### Glide across the screen



### Flap the wings



#### TRY IT

Click the green flag to start.



## **Talking Animation**

Make a character talk.







### **Talking Animation**

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#### **GET READY**



Choose Penguin 2.

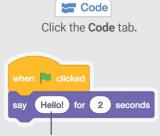




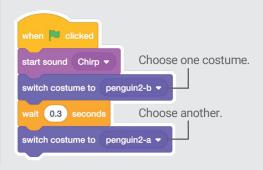


Click the **Costumes** tab to view the penguin's other costumes.

#### **ADD THIS CODE**



Type what you want your character to say.



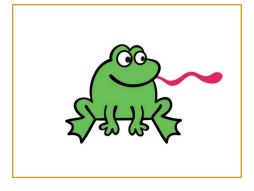
### TRY IT

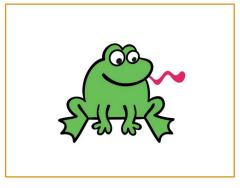
Click the green flag to start.



### **Draw an Animation**

Edit a sprite's costumes to create your own animation.





### **Draw an Animation**

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#### **GET READY**



Choose a character.







Right-click (on a Mac, control-click) a costume to duplicate it.

Now you should have two identical costumes.



Click a costume to select and edit it.

Click the **Select** tool.



Select a part of the costume to squeeze or stretch it.





Drag the handle to rotate an object you've selected.





### **ADD THIS CODE**



**Code** 

Click the **Code** tab.

Use the **next costume** block to animate your character.

### TRY IT



Click the green flag to start.