Imagine a World

Imagine a world where anything is possible!

Imagine a World

Try these cards in any order:

- **Say Something**
- **Fly Around**
- **Go Right and Left**
- **Go Up and Down**
- **Change Costumes**
- **Glide from Here to There**
- **Grow and Shrink**
- **Change Backdrops**
- **Add a Sound**

Say Something

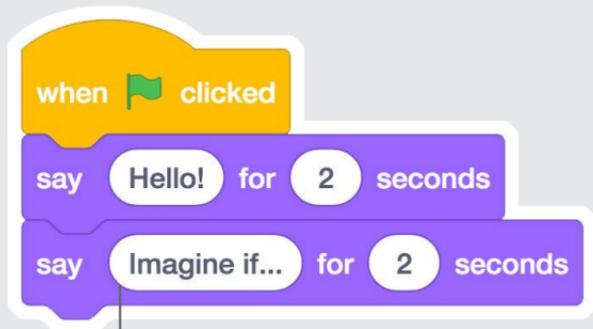## Type what you want your sprite to say.

Imagine if...

Say Something

GET READY

Sprite1

Select the sprite you want to talk.

ADD THIS CODE

Sprite1

```
when 🚩 clicked
say  Hello!  for  2  seconds
say  Imagine if...  for  2  seconds
```
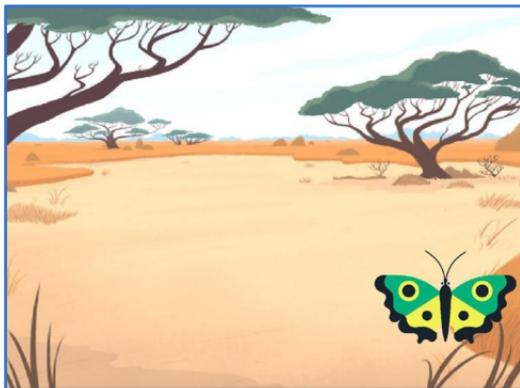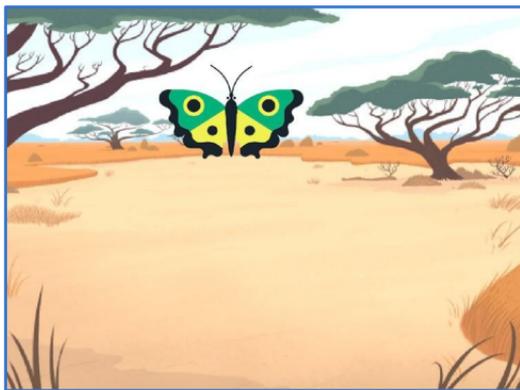
Type what you want to say.

TRY IT

Click the green flag to start.

Fly Around

Press the space key to glide glide.

SCRATCH

Fly Around

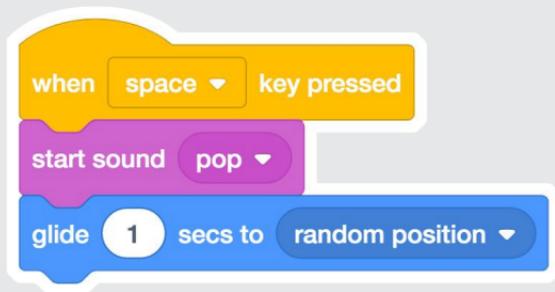## GET READY

Choose a sprite.

Butterfly 2

Choose a backdrop.

Savanna

ADD THIS CODE

Butterfly 2

```
when  space ▼  key pressed
start sound  pop ▼
glide  1  secs to  random position ▼
```

TRY IT

C V B N M

Press the **space** key to glide.

Go Right and Left

Press arrow keys to move right and left.

Go Right and Left

GET READY

Choose a sprite.

Ben

Choose a backdrop.

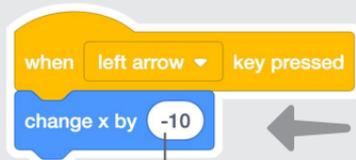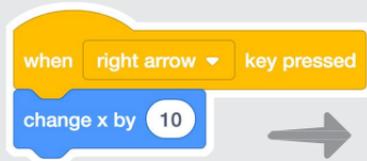Playing Field

ADD THIS CODE

Change x to move your character *side to side*.

Ben

```
when [ right arrow ▾ ] key pressed
change x by ( 10 )
```

→

```
when [ left arrow ▾ ] key pressed
change x by ( -10 )
```

←

Type a minus sign to move *left*.

TRY IT

Press the right and left arrow keys on your keyboard.

Go Up and Down

Press arrow keys to move up and down.

Go Up and Down

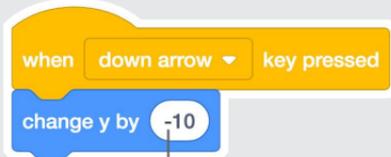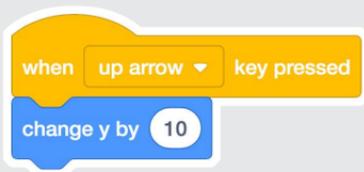## GET READY

Choose a sprite.

Hedgehog

Choose a backdrop.

Woods and Bench

ADD THIS CODE

Change y to move your character *up and down*.

Hedgehog

when **up arrow** key pressed
change y by **10**

when **down arrow** key pressed
change y by **-10**

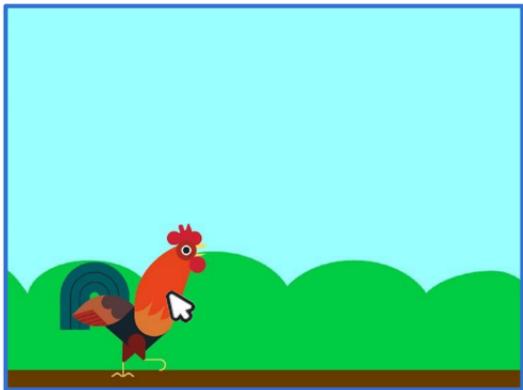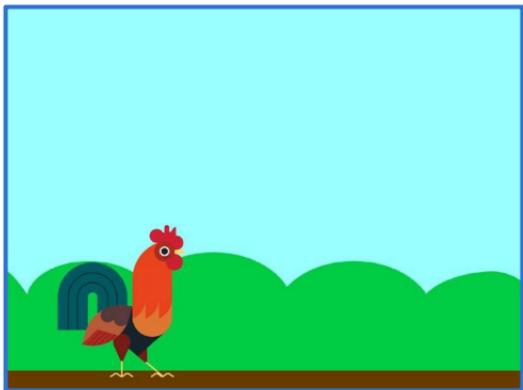Type a minus sign to move *down*.

TRY IT

Press the up and down arrow keys on your keyboard.

Change Costumes

Animate a sprite when you click it.

SCRATCH

Change Costumes

GET READY

Choose a sprite.

Rooster

Choose a backdrop.

Blue Sky

ADD THIS CODE

Rooster

```
when this sprite clicked
switch costume to rooster-b ▼
wait 0.3 seconds
switch costume to rooster-a ▼
wait 0.3 seconds
```

Choose one costume.

Choose another.

TRY IT

Click your sprite.

Glide From Here to There

Make a sprite glide from one point to another.

Glide From Here to There
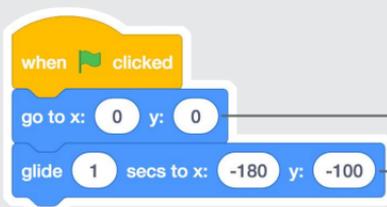
GET READY

Choose a sprite.

Earth

Choose a backdrop.

Stars

ADD THIS CODE

Earth
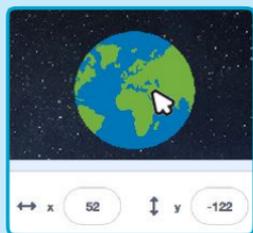
```
when 🏴 clicked
go to x: 0  y: 0
glide 1 secs to x: -180  y: -100
```

—— Set the starting point.

—— Set the end point.

TRY IT

Click the green flag to start.

TIP

When you move a sprite, you can see the numbers for **x** and **y** update.

x is the position from left to right.
y is the position up and down.

↔ x 52   ↕ y -122

Grow and Shrink

Make a sprite change size when you click it.

SCRATCH

Grow and Shrink

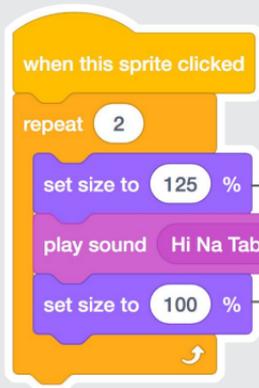## GET READY

Choose a backdrop.

Theater 2

Choose a sprite.

Drums Tabla

ADD THIS CODE

Drums Tabla

```
when this sprite clicked
repeat 2
    set size to 125 %
    play sound Hi Na Tabla ▾ until done
    set size to 100 %
```

Type a larger number to make it bigger.
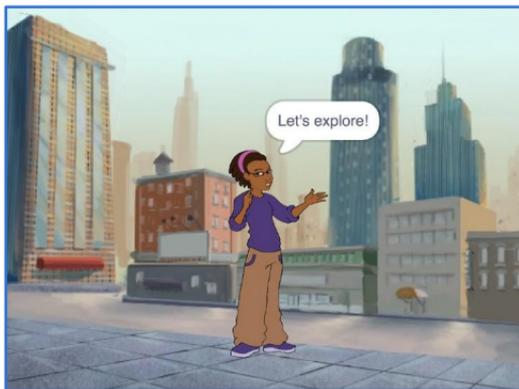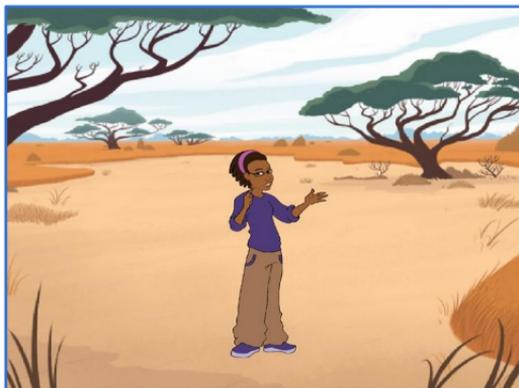
Type 100 to return to original size.

TRY IT

Click your sprite.

Change Backdrops

Change scenes by switching backdrops.

SCRATCH

Change Backdrops

GET READY

Choose two backdrops.

Savanna

Metro

Choose a sprite.

ADD THIS CODE

Avery

```
when [green flag] clicked
switch backdrop to Savanna ▾
wait 2 seconds
switch backdrop to Metro ▾
say Let's explore! for 2 seconds
```

Choose the backdrop you want to start with.

Choose the second backdrop.

Type what you want to say.

TRY IT

Click the green flag to start.

Add a Sound

Add your voice or other sounds
to your project.

SCRATCH

Add a Sound
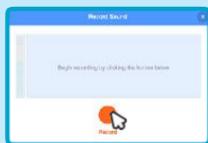
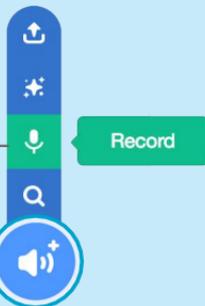## GET READY

Choose a sprite.

Champ99

Click the Sounds tab.

Then click Record from the pop-up menu.

Record

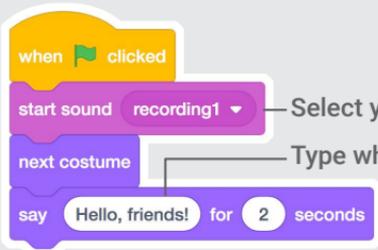Or, click here to choose a sound from the library.

To record your voice or other sound, click the red button.

If your device is unable to record, you can choose a sound.

ADD THIS CODE

Code

Click the Code tab.

when ⚑ clicked

start sound recording1 ▾ — Select your sound.

next costume

Type what you want to say.

say Hello, friends! for 2 seconds

TRY IT.

Click the green flag to start.