# Animate a Name Cards

Animate the letters of your name, initials, or favorite word.

scratch

Animate a Name Cards

Try these cards in any order:

- **Color Clicker**
- **Spin**
- **Play a Sound**
- **Dancing Letter**
- **Change Size**
- **Press a Key**
- **Glide Around**

Color Clicker

**Make a letter change color
when you click it.**
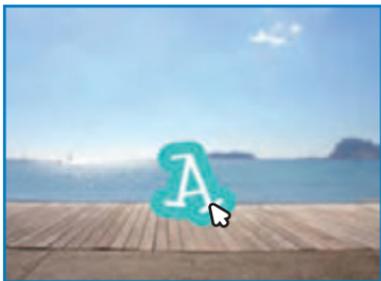
SCRATCH

Color Clicker

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GET READY

Choose a letter from the Sprite Library.

Choose a backdrop.

Boardwalk
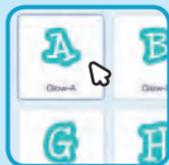
To see just the letter sprites, click the **Letters** category at the top of the Sprite Library.

ADD THIS CODE

```
when this sprite clicked
change  color ▾  effect by  25
```
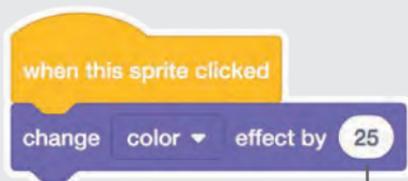
Try different numbers.

TRY IT

Click your letter.

Spin

Make a letter turn when you click it.

SCRATCH

Spin

GET READY

Go to the
Sprite Library.

Click the **Letters** category.

Choose a letter sprite.

ADD THIS CODE

when this sprite clicked
repeat 10
turn ↻ 18 degrees

Try different
numbers.

TRY IT

Click your letter.

TIP

Click this block to reset the sprite's direction.

point in direction 90
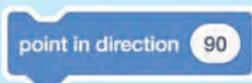
Play a Sound

Click a letter to play a sound.

Play a Sound

GET READY

Go to the
Sprite Library.

Click the **Letters** category.

Choose a letter sprite.

Choose a backdrop.

Boardwalk

Click the **Sounds** tab.

Choose a sound.

ADD THIS CODE

Click the **Code** tab.

when this sprite clicked
play sound Guitar Strum until done

Choose a sound
from the menu.

TRY IT

Click your letter.

Dancing Letter

Make a letter move to the beat.

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Dancing Letter

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GET READY

Choose a backdrop.

Stage

Choose a letter from the Sprite Library.
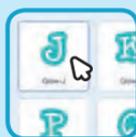
Click the **Extensions** button (at the bottom left).

Music
Play instruments and drums.

Then click **Music** to add the music blocks.

ADD THIS CODE

```
when this sprite clicked
move 10 steps
    play drum (1) Snare Drum ▾ for 0.25 beats
move -10 steps
    play drum (6) Closed Hi-Hat ▾ for 0.25 beats
```
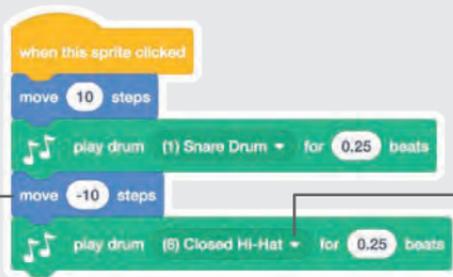
Type a minus sign to move backward.

Choose a different drum from the menu.

TRY IT

Click your letter.

Change Size

Make a letter get bigger and then smaller.

scRATcH

Change Size

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## GET READY

Go to the Sprite Library.

Letters

Click the Letters category.

Choose a letter sprite.

ADD THIS CODE

```
when this sprite clicked
repeat 15
    change size by 10
repeat 15
    change size by -10
```

Type a minus sign to get smaller.

TRY IT

Click your letter.

TIP

Click this block to reset the size.

```
set size to 100 %
```
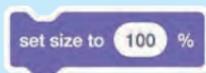
Press a Key

Press a key to make your letter change.
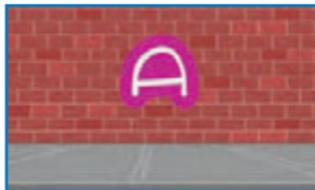
SCRATCH

Press a Key

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GET READY
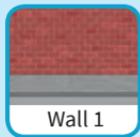
Choose a backdrop.

Wall 1

Choose a letter from
the Sprite Library.

ADD THIS CODE

when space key pressed
turn 90 degrees
change color effect by 25

Try different numbers.

TRY IT

C V B N M

Press the **space** key.

TIP

when space key pressed

✓ space
left arrow

You can choose a different key from the menu.
Then press that key!

Glide Around

Make a letter glide smoothly from place to place.

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Glide Around

GET READY

Choose a backdrop.

Jurassic

Choose a letter from the Sprite Library.

ADD THIS CODE

when this sprite clicked

glide 1 secs to x: 10 y: 100

glide 1 secs to x: 40 y: -130

glide 1 secs to x: 10 y: 100

— **Try different numbers.**

TRY IT

Click your letter to start.

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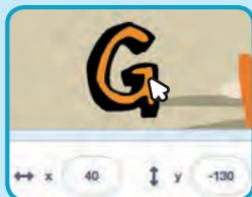
When you move a sprite, you can see the numbers for **x** and **y** update.

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

x 40   y -130

Imagine a World

Imagine a world where anything is possible!

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Imagine a World Cards

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.

Say Something

## GET READY

Sprite1

Select the sprite you want to talk.

ADD THIS CODE

Sprite1

```
when [flag] clicked
say Hello! for 2 seconds
say Imagine if... for 2 seconds
```
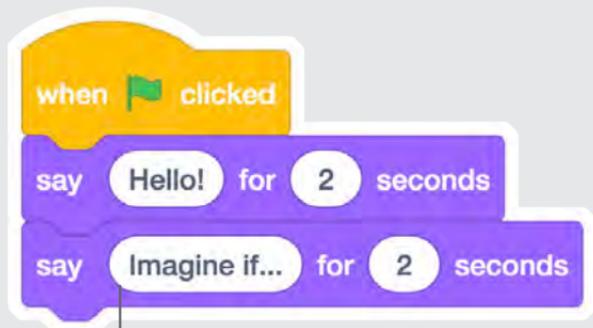
└─ **Type what you want to say.**

TRY IT

Click the green flag to start. ─

Fly Around

Press the space key to glide.
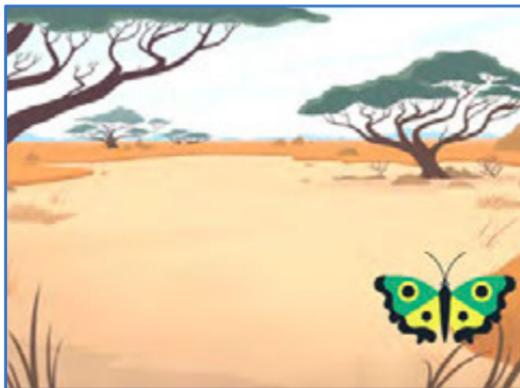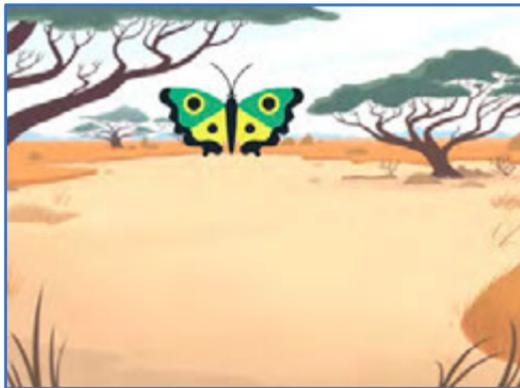
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Fly Around

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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.

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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
```

⬅️
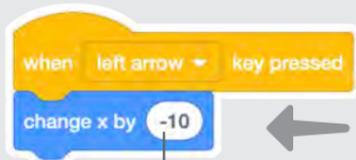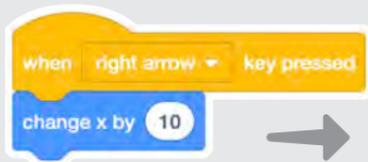
Type a minus sign to move *left*.

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
```

⬇
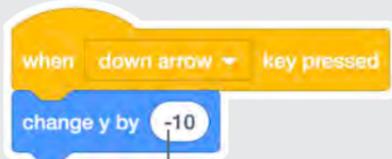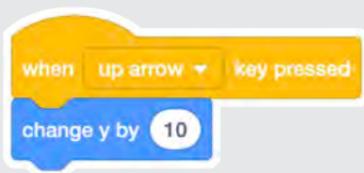
Type a minus sign to move *down*.

TRY IT

Press the up and down arrow keys on your keyboard.

Change Costumes

Animate a sprite when you click it.
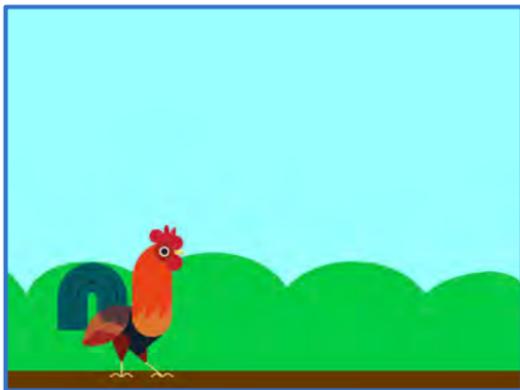
Change Costumes

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
```
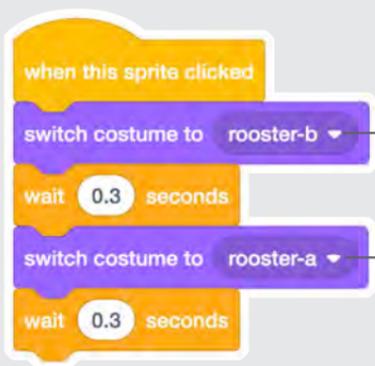
Choose one costume.

Choose another.

TRY IT

Click your sprite.

Glide From Here to There

**Make a sprite glide from
one point to another.**
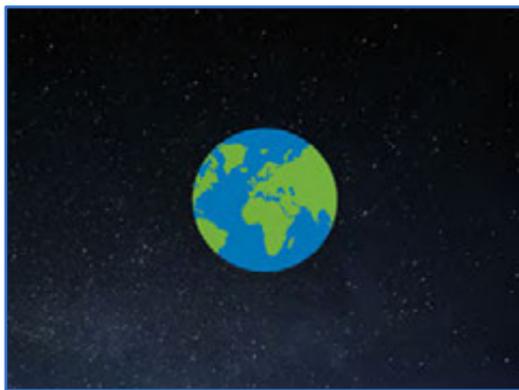
SCRATCH

Glide From Here to There

GET READY

Choose a sprite.

Earth

Choose a backdrop.
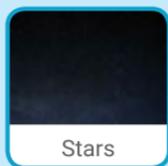
Stars

ADD THIS CODE

Earth

```
when [flag] clicked
go to x: 0 y: 0
glide 1 secs to x: -180 y: -100
```
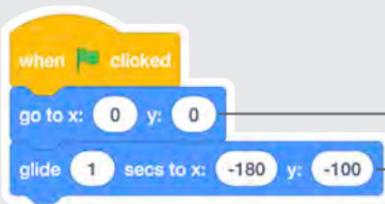
Set the starting point.

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.

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Grow and Shrink

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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 %
```
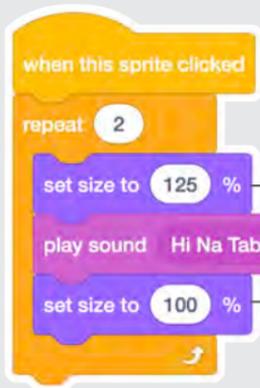
Type a larger number to make it bigger.

Type 100 to return to original size.

TRY IT

Click your sprite.

Change Backdrops

Change scenes by switching backdrops.

# Change Backdrops

GET READY

Choose two backdrops.

Savanna

Metro

Choose a sprite.

Avery

ADD THIS CODE

Avery

```
when 🏳 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.
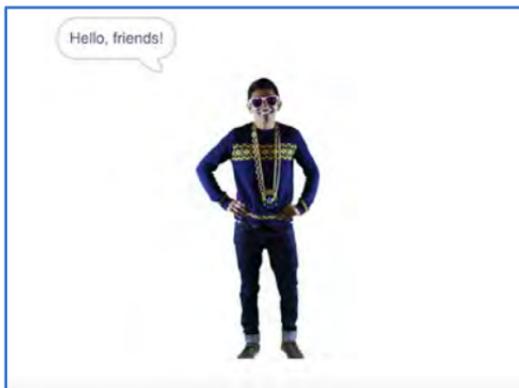
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Add a Sound

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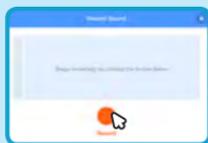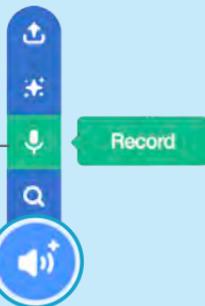
To record your voice or other sound, click the red button.

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

ADD THIS 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.