Dance Cards

Are you ready to dance?

Dance Cards

Use these cards in this order:

1. **Show Your Moves**

2. **Add Music**

3. **Spin**

4. **Change Colors**

5. **Copy & Paste: Add Friends**

6. **Ask and Answer**

microbit.org/scratch

micro:bit

microbit.org/scratch

micro:bit

Show Your Moves

Change costumes to make your sprite look like it is dancing around!
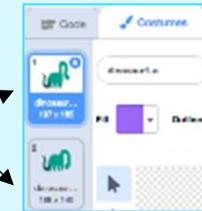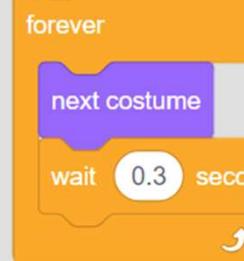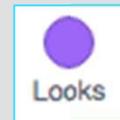
Show Your Moves

microbit.org/scratch

GET READY

Choose a sprite.

Click the 🖌 Costumes tab.

Make sure your sprite has more than one costume.

ADD THIS CODE

Looks

when shaken ▾

forever

next costume

wait 0.3 seconds

Make the costume change as long as the program runs.

Change the number to affect the sprite's speed.

TRY IT

Add a background.

Shake your micro:bit.

Make your sprite dance on the dance floor!
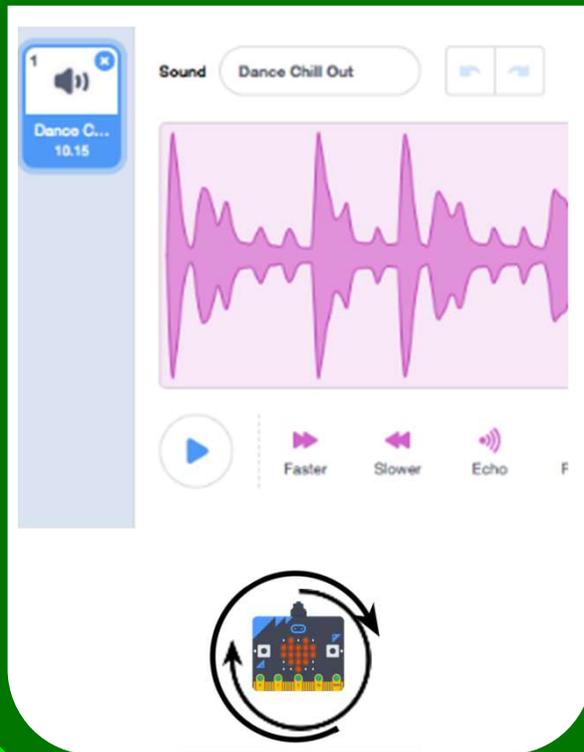
Add Music

Make your character dance to a beat! Choose a soundtrack for the scene.

Add Music
microbit.org/scratch

GET READY
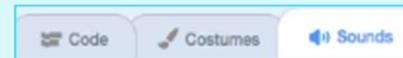
 Click the Sounds tab.

Choose a sound from the Library.

ADD THIS CODE

Sound

```
when shaken ▼
forever
    play sound Dance Chill Out ▼ until done
```
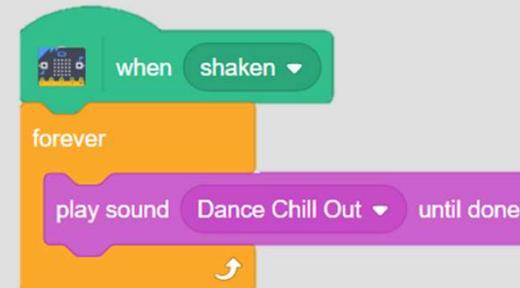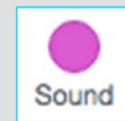
TRY IT

Make sure to choose **PLAY SOUND UNTIL DONE** so that the entire track plays before starting over.

play sound Dance Chill Out ▼ until done

vs.

start sound Dance Chill Out ▼

Edit the track in the Sounds tab.

Spin

Spin your sprites all around!
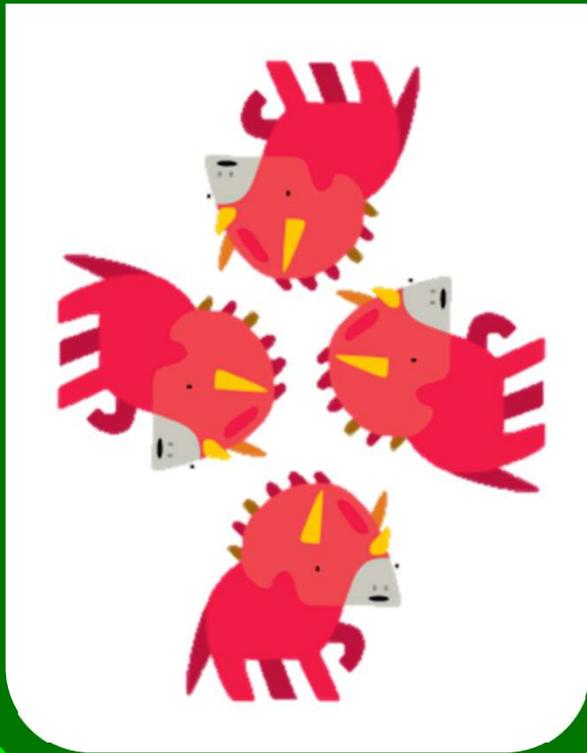
Spin
microbit.org/scratch

GET READY

when A ▾ button pressed
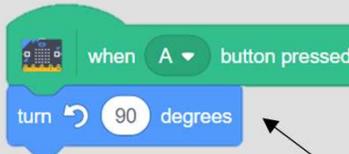
Start your sprite with the A button.

Control when and how fast your sprite spins in a circle.

ADD THIS CODE

when A ▾ button pressed
turn ↺ 90 degrees
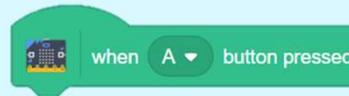
Make the sprite spin once with each press of the button.

when A ▾ button pressed
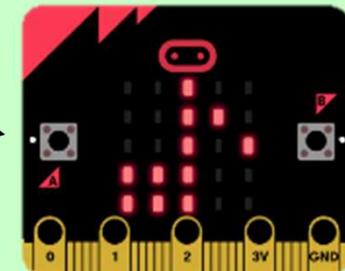forever
  turn ↺ 90 degrees
  wait 0.5 seconds
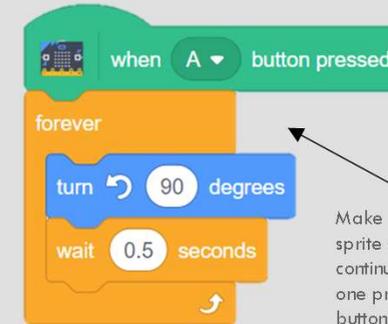
Make your sprite spin continuously with one press of the button.

TRY IT

Click the **A button** to spin the sprite.
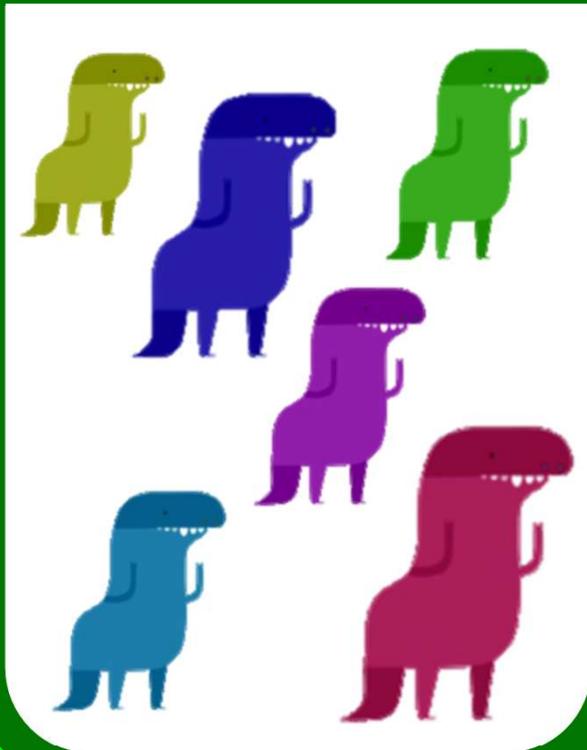
TIP: Experiment with the degrees of rotation!

Change Colors

Change Colors
microbit.org/scratch

Add image effects to change the way your sprite looks.

GET READY

`when B button pressed`

Change your sprite's color with the B button.
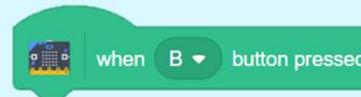
Control when and how fast your sprite changes its appearance.

ADD THIS CODE

`when B button pressed`
`change color effect by 25`

Make the sprite's color change once with each press of the button.

`when B button pressed`
`forever`
`change color effect by 25`
`wait 0.5 seconds`
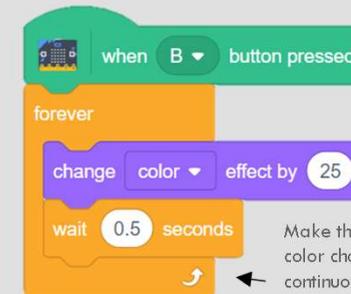
Make the sprite's color change continuously with one press of the button.
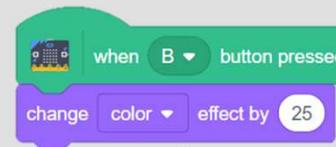
TRY IT
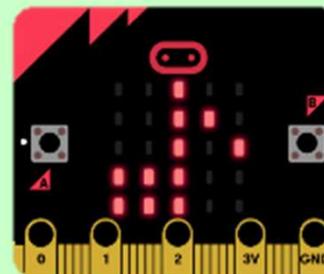
Click the **B button** to change the sprite's color.

CHALLENGE: What other effects can you use on your sprite?

microbit.org/scratch

4

micro:bit

Copy & Paste: Add Friends

Duplicate code onto additional sprites.
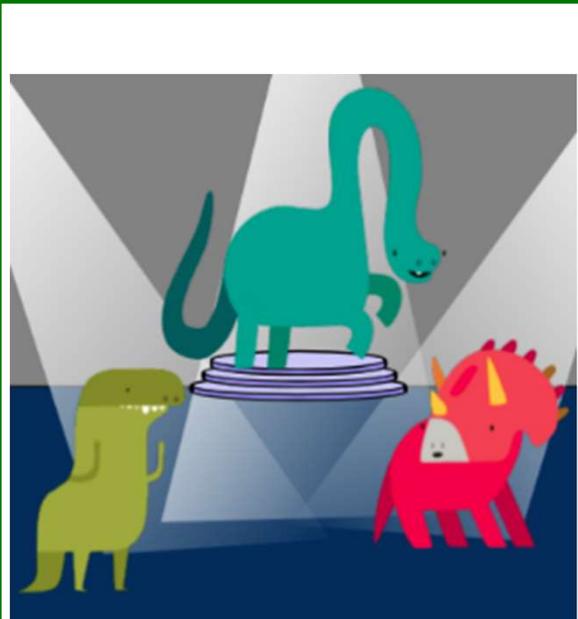

microbit.org/scratch 5 micro:bit

Copy & Paste: Add Friends
microbit.org/scratch

GET READY

Add additional sprites.

Click the ✏ Costumes tab.

Make sure your sprites have more than one costume.

ADD THIS CODE

when shaken ▼
forever
  next costume
  wait 0.3 seconds
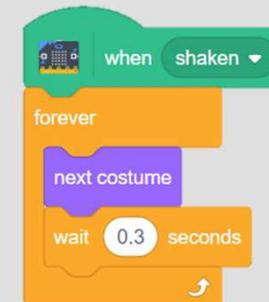
TRY IT

Drag and drop your code from the first sprite onto the additional characters.

Click each sprite to make sure that the code transferred.

Sprite1 Dinosaur4

when shaken ▼
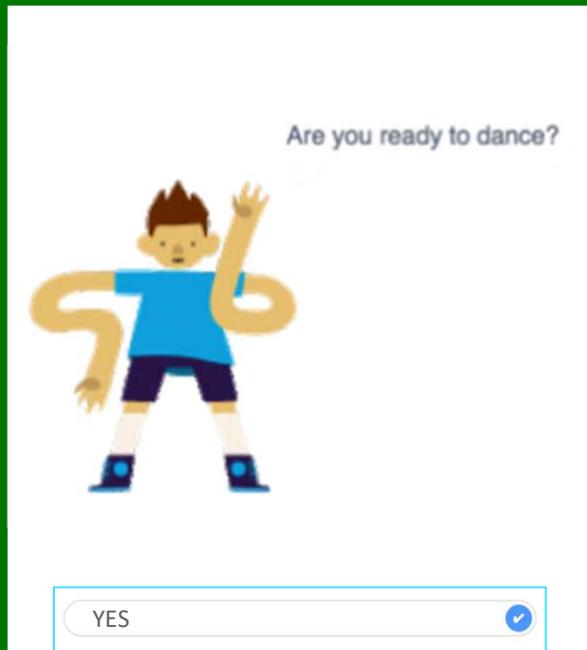forever
  next costume
  wait 0.3 seconds

Ask and Answer

Ask and Answer
microbit.org/scratch

Interact with your micro:bit's display.

Are you ready to dance?

YES ✓

GET READY

Sensing | ask ⬭ and wait | 📟 display ⬭
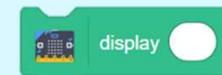
Use the Sensing blocks to interact with your micro:bit.

ADD THIS CODE

when this sprite clicked ← Start the program.

ask [Are you ready to dance?] and wait

if ⟨ answer = yes ⟩ then

📟 display [Let's dance!]

else

ask [Are you ready to dance?] and wait

If you answer "yes," a message will be sent to the micro:bit. Otherwise, the program will ask the question again.

TRY IT

📟 display [Let's dance!]
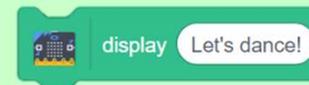
Run the program. Answer the question and check your micro:bit. Can you read the message?

Inspired by Scratch Cards created by Natalie Rusk scratch.mit.edu/cards