Let's Dance Cards
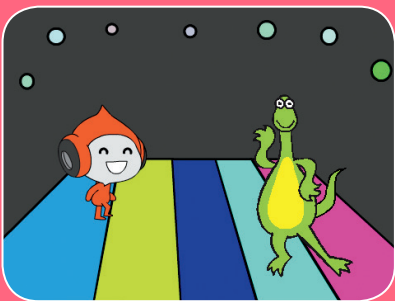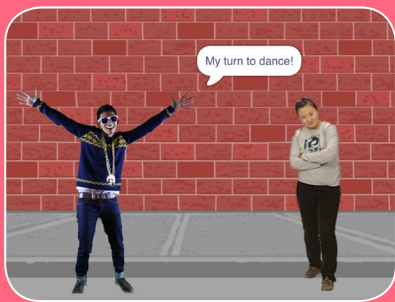
Design an animated dance scene
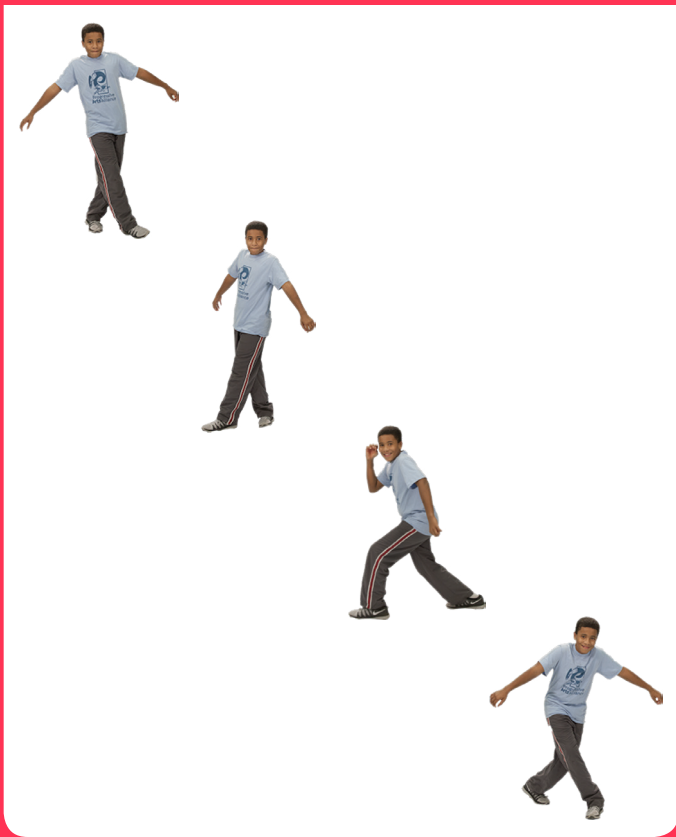with music and dance moves.

Let's Dance Cards

Try these cards in any order:

- **Dance Sequence**
- **Dance Loop**
- **Play Music**
- **Take Turns**
- **Starting Position**
- **Shadow Effect**
- **Interactive Dance**
- **Color Effect**
- **Leave a Trail**

SCRATCH

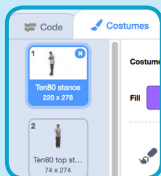# Dance Sequence

Make an animated dance.

Dance Sequence

scratch.mit.edu

GET READY

Choose a dancer.

Ten80 Dance

☰ Code ✏ Costumes

Ten80 stance
220 x 278

Ten80 top st...
74 x 274

✏ **Costumes**

Click the Costumes tab to see the different dance moves.

...antasy **Dance** **Musi**...

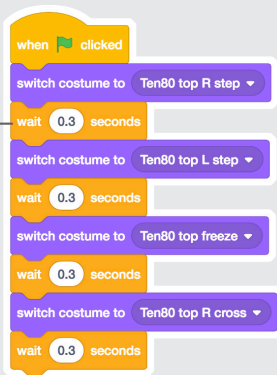**To see just the dance sprites, click the Dance category at the top of the Sprite Library.**

ADD THIS CODE

🏳 **Code** **Click the Code tab.**

Ten80 Dance

```
when 🏳 clicked
switch costume to  Ten80 top R step ▼
wait  0.3  seconds
switch costume to  Ten80 top L step ▼
wait  0.3  seconds
switch costume to  Ten80 top freeze ▼
wait  0.3  seconds
switch costume to  Ten80 top R cross ▼
wait  0.3  seconds
```

Type how long to wait between dance moves.

Pick different dance moves.

TRY IT

Click the green flag to start. ━━━ 🏳 🔴

Dance Loop

Repeat a series of dance steps.
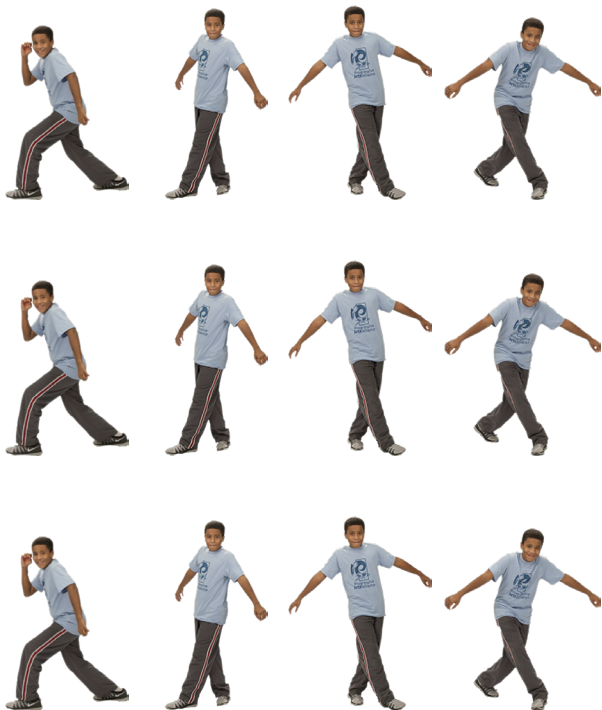
SCRATCH

Dance Loop

scratch.mit.edu

GET READY

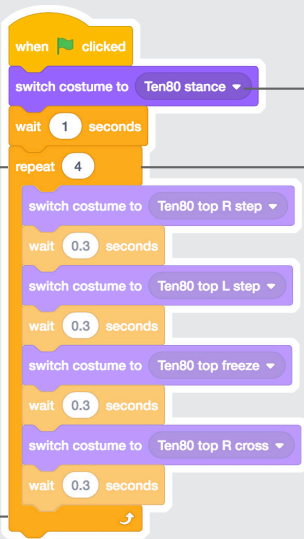**Go to the Sprite Library.**

Click the Dance category

sy **Dance**

Ten80 Dance

Choose a dancer.

ADD THIS CODE

Ten80 Dance

when 🏳 clicked

switch costume to Ten80 stance ▼ ———— Choose a dance pose.

wait 1 seconds

repeat 4 ———— Type how many
times you want
to repeat the dance.

switch costume to Ten80 top R step ▼

wait 0.3 seconds

switch costume to Ten80 top L step ▼

wait 0.3 seconds

switch costume to Ten80 top freeze ▼

wait 0.3 seconds

switch costume to Ten80 top R cross ▼

wait 0.3 seconds
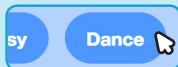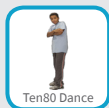
Add a **repeat loop** around your dance sequence.

repeat

TRY IT

Click the green flag to start. ————

Play Music ♫

Play and loop a song.
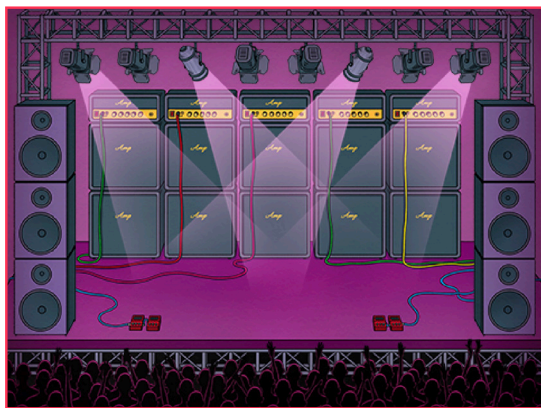
SCRATCH

Play Music

scratch.mit.edu

GET READY
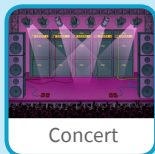
Sounds Click the Sounds tab.

Choose a backdrop.

Concert

Choose a song from the **Loops** category.

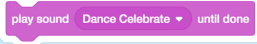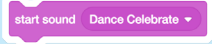## ADD THIS CODE

Code Click the Code tab.

Concert

```
when 🏴 clicked
repeat 10
    play sound Dance Celebrate ▼ until done
```

Type how many times you want the song to repeat.

TIP

Make sure to use **play sound Dance Celebrate ▼ until done** (not **start sound Dance Celebrate ▼**)
or else the music won't finish playing before it begins again.

Take Turns

Coordinate dancers so that
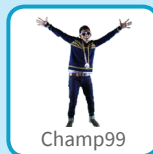one begins after the other.

Take Turns

GET READY
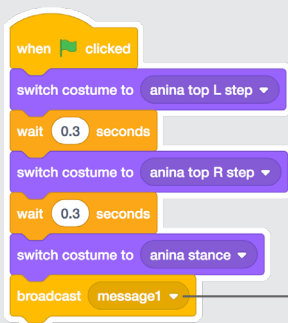
Choose two dancers from the Dance category.

Anina Dance

Champ99

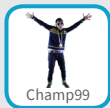## ADD THIS CODE

Anina Dance

```
when [flag] clicked
switch costume to anina top L step ▼
wait 0.3 seconds
switch costume to anina top R step ▼
wait 0.3 seconds
switch costume to anina stance ▼
broadcast message1 ▼
```

— Broadcast a message.

Champ99

```
when I receive message1 ▼
say My turn to dance! for 1 seconds
repeat 4
    next costume
    wait 0.3 seconds
```
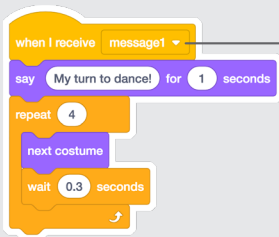
— Tell this dancer what to do when it receives the message.

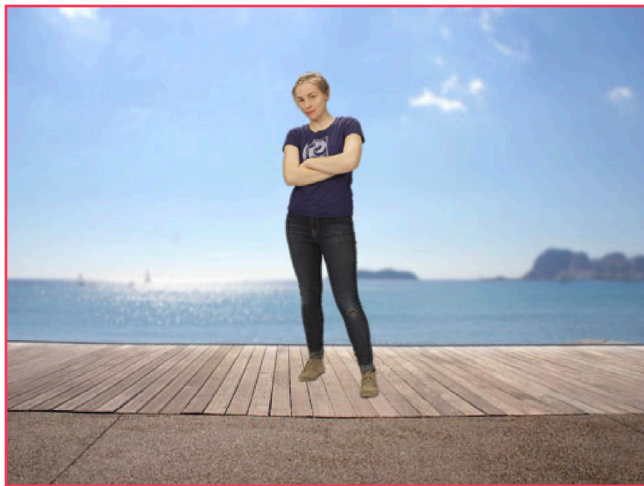## TRY IT

Click the green flag to start. — [green flag] [stop]

Starting Position

Tell your dancers where to start.

SCRATCH

Starting Position

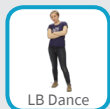scratch.mit.edu

GET READY

Go to the
Sprite Library.

sy **Dance**

Click the Dance category

LB Dance
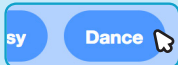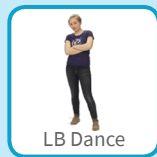
Choose a dancer.

ADD THIS CODE

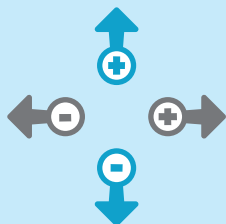LB Dance

when 🏴 clicked

go to x: -10 y: 20 — Tell your dancer where to start.

set size to 90 % — Set its size.

switch costume to lb stance ▼ — Choose the starting costume.

show — Make sure the sprite is showing.

TIP

Use **go to x: ⬤ y: ⬤** to set a sprite's position on the Stage.

x is the position on the Stage from left to right.

y is the position on the Stage from top to bottom.
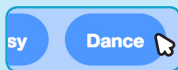
Shadow Effect

Make a dancing silhouette.

SCRATCH

Shadow Effect

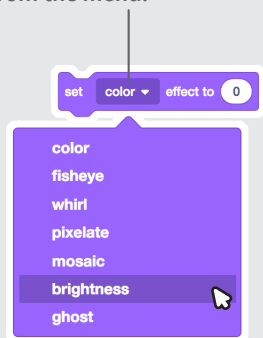## GET READY

Go to the
Sprite Library.

Click the Dance category

Jouvi Dance

Choose a dancer.
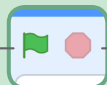
ADD THIS CODE

Choose **brightness**
from the menu.

set color ▾ effect to 0

color
fisheye
whirl
pixelate
mosaic
brightness
ghost

Set the brightness to **-100** to
make the sprite completely dark.

when 🚩 clicked

set brightness ▾ effect to -100

forever

next costume

wait 0.3 seconds

TRY IT

Click the green flag to start. ━━━ 🚩 ⬤ ━━━ Click the stop sign to stop.

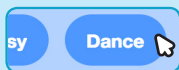# Interactive Dance

Press keys to switch dance moves.

Interactive Dance

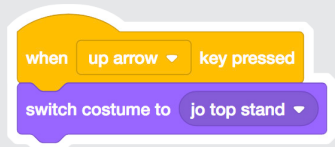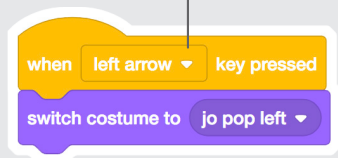scratch.mit.edu

GET READY

Go to the
Sprite Library.

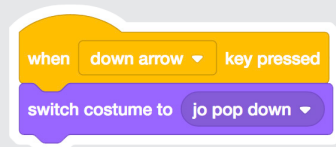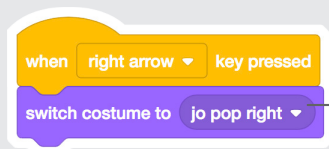Click the Dance category

Jouvi Dance

Choose a dancer.

ADD THIS CODE

Choose a different key to press
for each dance move.

Pick a dance move from the menu.

```
when [ left arrow ▼ ] key pressed
switch costume to ( jo pop left ▼ )
```

```
when [ right arrow ▼ ] key pressed
switch costume to ( jo pop right ▼ )
```

```
when [ up arrow ▼ ] key pressed
switch costume to ( jo top stand ▼ )
```

```
when [ down arrow ▼ ] key pressed
switch costume to ( jo pop down ▼ )
```

TRY IT

Press the **arrow keys** on your keyboard.

Color Effect

Make the backdrop change colors.

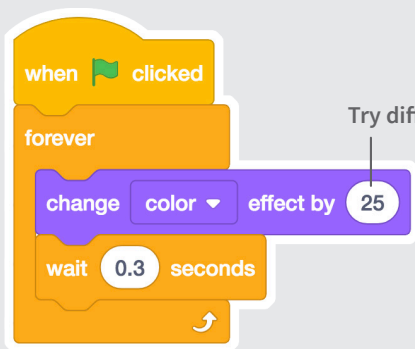# Color Effect

scratch.mit.edu

GET READY

Choose a backdrop.

Spotlight

ADD THIS CODE

Code Click the Code tab.

Spotlight

```
when [green flag] clicked
forever
    change color effect by 25
    wait 0.3 seconds
```
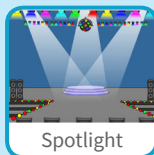
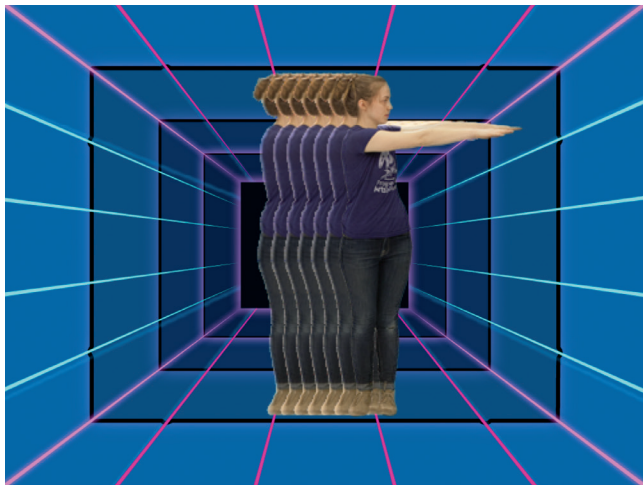**Try different numbers.**

TRY IT

Click the green flag to start.

Leave a Trail

Stamp a trail as your dancer moves.

SCRATCH

Leave a Trail
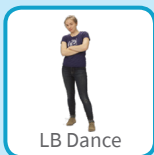
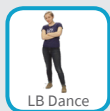scratch.mit.edu

GET READY

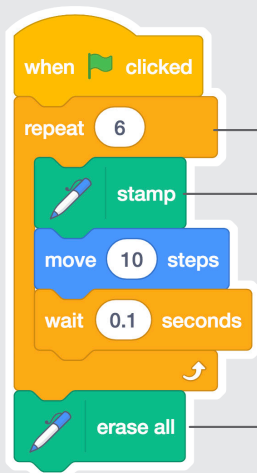Choose a dancer from the Dance category.

LB Dance

Click the Extensions button, then click **Pen** to add the blocks.

ADD THIS CODE

LB Dance

```
when 🏳 clicked
repeat 6
    stamp
    move 10 steps
    wait 0.1 seconds
erase all
```

Type how many times to repeat.

Stamp an image of the sprite on the Stage.

Clear all the stamps.

TRY IT

Click the green flag to start.