

# Make a Card



1. Fold the card in half

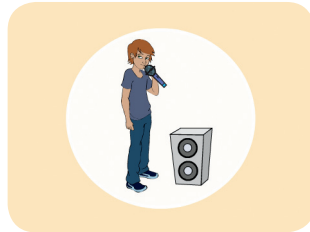
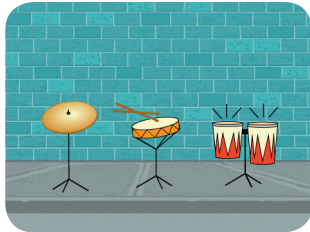


2. Glue the backs together



3. Cut along the dashed line

## Make Music Cards



Choose instruments, add sounds,  
and press keys to play music.

## Make Music Cards

Try these cards in any order:

- Play a Drum
- Make a Rhythm
- Animate a Drum
- Make a Melody
- Play a Chord
- Surprise Song
- Beatbox Sounds
- Record Sounds
- Play a Song

# Make a Card



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## Play a Drum

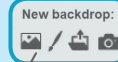
Press a key to make a drum sound.



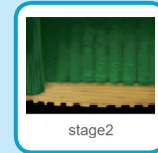
## Play a Drum

[scratch.mit.edu/music](https://scratch.mit.edu/music)

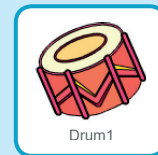
### GET READY



Choose a backdrop.



Choose a drum from the Music theme.



### ADD THIS CODE

when **space** key pressed

play sound **low tom**

Select the sound you want from the menu.

### TRY IT

Press the **space** key to start.

Make Music

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# Make a Card



1. Fold the card in half



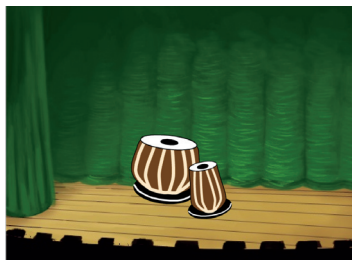
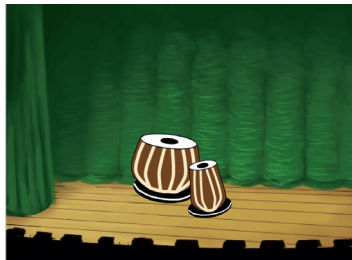
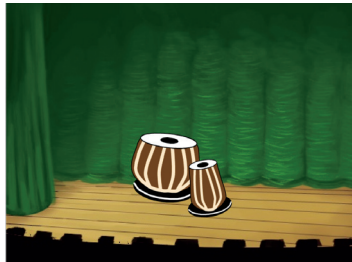
2. Glue the backs together



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## Make a Rhythm

Play a sequence of drum sounds.



Make Music

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SCRATCH

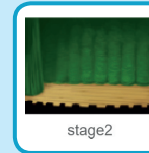
## Make a Rhythm

[scratch.mit.edu/music](https://scratch.mit.edu/music)

### GET READY



Choose a backdrop.



Choose a drum from the Music theme.



### ADD THIS CODE

```
when space key pressed
  repeat 3
    play sound hi na tabla
    wait 0.25 secs
    play sound hi tun tabla
    wait 0.25 secs
```

Type how many times you want to repeat.

Try different numbers to change the rhythm.

### TRY IT

Press the **space** key to start.

# Make a Card



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## Animate a Drum

Switch between costumes to animate.



Make Music

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## Animate a Drum

[scratch.mit.edu/music](https://scratch.mit.edu/music)

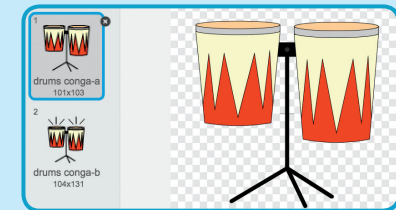
### GET READY

Choose a drum from the Music theme.

New sprite:



Click the **Costumes** tab to see the costumes.



You can use the paint tools to change colors.

### ADD THIS CODE

Click the **Scripts** tab.

```
when left arrow key pressed
repeat 4
  play sound high conga
  next costume
  wait 0.25 secs
  play sound low conga
  next costume
  wait 0.25 secs
```

### TRY IT

Press the **left arrow** key to start.

# Make a Card



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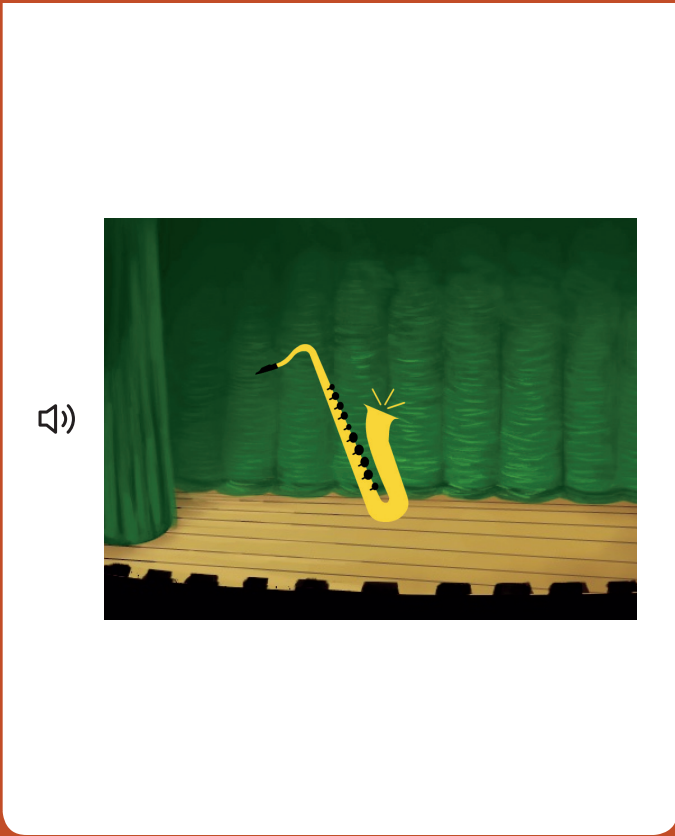
2. Glue the backs together



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## Make a Melody

Play a series of notes.



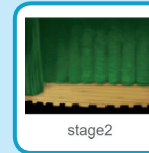
## Make a Melody

[scratch.mit.edu/music](https://scratch.mit.edu/music)

### GET READY



Choose a backdrop.



Choose an instrument from the Music theme.

New sprite:



### ADD THIS CODE

```
when up arrow key pressed
  play sound C2 sax
  wait 0.25 secs
  play sound G sax
  wait 0.25 secs
  play sound E sax
```

Choose **up arrow** (or another key).

Choose different sounds.

### TRY IT

Press the **up arrow** key to start.

# Make a Card



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## Play a Chord

Play more than one sound at a time to make a chord.



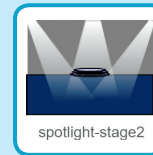
## Play a Chord

[scratch.mit.edu/music](https://scratch.mit.edu/music)

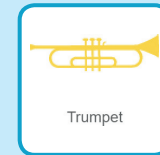
### GET READY



Choose a backdrop.



Choose an instrument from the Music theme.



### ADD THIS CODE

```
when down arrow key pressed
  play sound F trumpet
  play sound A trumpet
  play sound C2 trumpet
```

Choose **down arrow** (or another key).

Choose different sounds.

### TIP

Use the **play sound** block to make sounds play at the same time.

Use **play sound until done** to play sounds one after another.

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## Surprise Song

Play a random sound from a list of sounds.



Make Music

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## Surprise Song

[scratch.mit.edu/music](https://scratch.mit.edu/music)

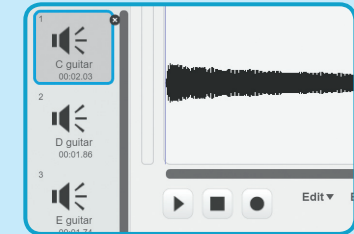
### GET READY

Choose an instrument from the Music theme.

New sprite:



Click the **Sounds** tab to see all the sounds of your instrument.



### ADD THIS CODE

Click the **Scripts** tab.

```
when right arrow key pressed  
  play sound pick random 1 to 8  
  change color effect by 25
```

Choose **right arrow**.  
Insert a **pick random** block.  
Type the number of sounds in your instrument.

### TRY IT

Press the **right arrow** key to start.

# Make a Card



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## Beatbox Sounds

Play a series of vocal sounds.



## Beatbox Sounds

[scratch.mit.edu/music](https://scratch.mit.edu/music)

### GET READY

Choose the Microphone.

New sprite:



Click the **Sounds** tab to see all the beatbox sounds.



### ADD THIS CODE

Click the **Scripts** tab.

```
when b key pressed — Choose b (or another key).
repeat 4
  play sound bass beatbox
  wait 0.25 secs
  play sound pick random 1 to 10 — Insert a pick random block.
  wait 0.25 secs
```

### TRY IT

Press the **B** key to start.



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## Record Sounds

Make your own sounds to play.



Make Music

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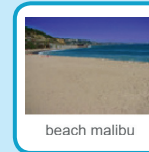
## Record Sounds

[scratch.mit.edu/music](https://scratch.mit.edu/music)

### GET READY

New backdrop:

Choose a backdrop.



Choose any sprite you want.

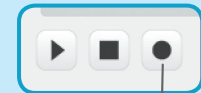
New sprite:



Click the **Sounds** tab.

New sound:

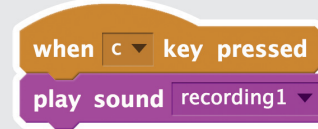
Click this icon. (You'll need a microphone.)



Click to record a short sound, like "boing" or "bop."

### ADD THIS CODE

Click the **Scripts** tab.



Choose c (or another key).

### TRY IT

Press the C key to start.

# Make a Card



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## Play a Song

Add a music loop as background music.



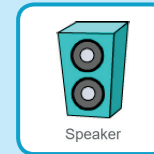
## Play a Song

[scratch.mit.edu/music](https://scratch.mit.edu/music)

### GET READY

Choose a sprite,  
like Speaker.

New sprite:



Click the **Sounds** tab.

New sound:



Select a sound from the  
**Music Loops** category.

### ADD THIS CODE

Click the **Scripts** tab.

when clicked

forever

play sound **drum jam** until done

Make sure to use **play sound** **until done** (not **play sound** )  
or else the music will interrupt itself.