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**

Play a Drum

Press a key to make a drum sound.

🔊

Play a Drum

scratch.mit.edu/music

GET READY

New backdrop: 🖼 / 📤 📷

Choose a backdrop.

stage2

Choose a drum from the Music theme.

New sprite: 🐱 / 📤 📷

Drum1

ADD THIS CODE

when space ▾ key pressed
play sound low tom ▾
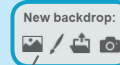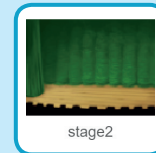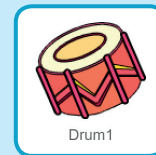
Select the sound you want from the menu.

TRY IT

Press the **space** key to start.

Make a Rhythm

Play a sequence of drum sounds.

🔊

🔊

🔊
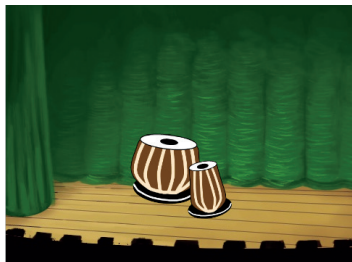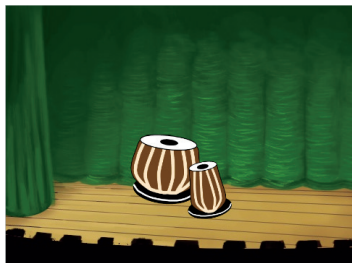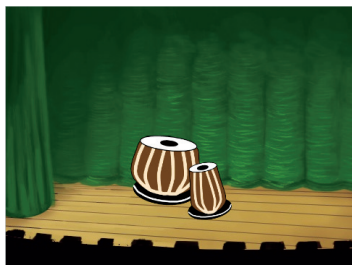
Make a Rhythm

scratch.mit.edu/music

GET READY

New backdrop: 🖼 / 📁 📷

Choose a backdrop.

stage2

Choose a drum from the Music theme.

New sprite: 🐱 / 📁 📷

Drum-Tabla

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
```
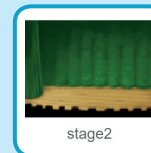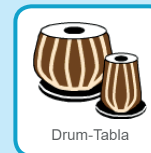
Type how many times you want to repeat.

Try different numbers to change the rhythm.

TRY IT

Press the **space** key to start.

Animate a Drum

Switch between costumes to animate.

🔊

Animate a Drum

scratch.mit.edu/music

GET READY

Choose a drum from the Music theme.

New sprite: 🖌 / 📤 📷

Drum-Conga

Click the | Costumes | tab to see the costumes.

drums conga-a
101x103

drums conga-b
104x131
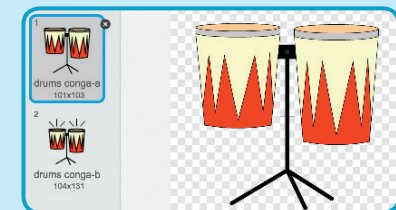
You can use the paint tools to change colors.

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 Melody

Play a series of notes.

Make a Melody

scratch.mit.edu/music

GET READY

New backdrop:

Choose a backdrop.

stage2
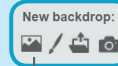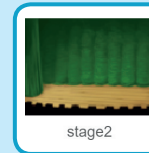
Choose an instrument from the Music theme.

New sprite:

Saxophone

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.

Play a Chord

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

🔊

Play a Chord
scratch.mit.edu/music
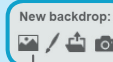
GET READY

New backdrop:
🖼 / 📤 📷

Choose a backdrop.

spotlight-stage2

Choose an instrument
from the Music theme.

New sprite: 🐱 / 📤 📷

Trumpet

ADD THIS CODE

when down arrow key pressed — Choose **down arrow**
(or another key).

play sound F trumpet
play sound A trumpet — Choose different sounds.
play sound C2 trumpet
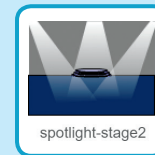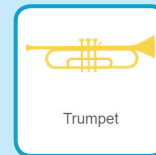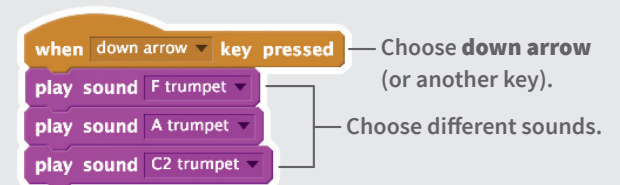
TIP

Use the [play sound ▾] block to make sounds play at the same time.

Use [play sound ▾ until done] to play sounds one after another.

Surprise Song

Surprise Song

scratch.mit.edu/music

Play a random sound from a list of sounds.

🔊

🔊

🔊

GET READY

Choose an instrument from the Music theme.

New sprite: 👤 ✏ 📁 📷

Guitar

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

C guitar
00:02.03

D guitar
00:01.86

E guitar

Edit ▾

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.
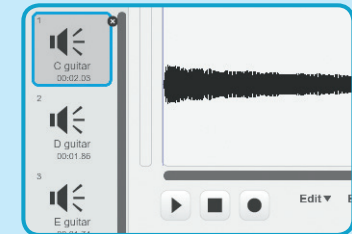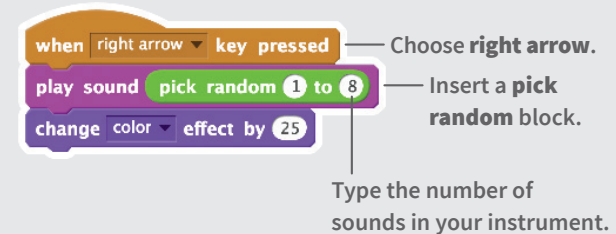
TRY IT

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

Make Music   **6**   SCRATCH

Beatbox Sounds

Play a series of vocal sounds.

Beatbox Sounds

scratch.mit.edu/music

GET READY

Choose the Microphone.

New sprite:

Microphone

Click the **Sounds** tab to see all the beatbox sounds.
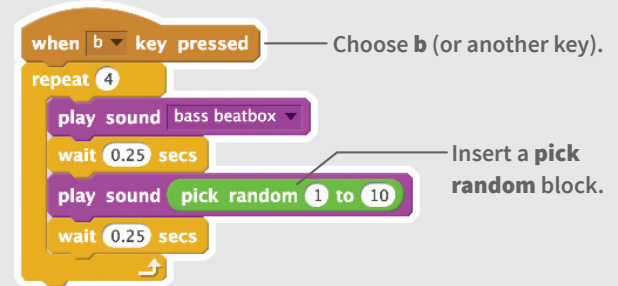
bass beatbox
00:00.30

hi beatbox
00:00.26

snare beatbox
00:00.25

Microphone volume:

ADD THIS CODE

Click the **Scripts** tab.

```
when b key pressed
repeat 4
  play sound bass beatbox
  wait 0.25 secs
  play sound pick random 1 to 10
  wait 0.25 secs
```

Choose **b** (or another key).

Insert a **pick random** block.

TRY IT

Press the **B** key to start.

Record Sounds

Make your own sounds to play.

🔊

Record Sounds

scratch.mit.edu/music

GET READY

New backdrop:

Choose a backdrop.

beach malibu

Choose any sprite you want.

New sprite:

Beachball

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.

```
when c ▼ key pressed
play sound recording1 ▼
```

— Choose **c** (or another key).

TRY IT

Press the **C** key to start.

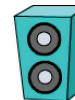# Play a Song

Add a music loop as background music.

🔊

Play a Song

scratch.mit.edu/music

GET READY

Choose a sprite, like Speaker.

New sprite: ✏ 📤 📷

Speaker

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
```

TIP

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