micro:bit Cards

Make projects that connect to the physical world with micro:bit!

scratch.mit.edu/microbit  Set of 7 cards
micro:bit Cards

Try these cards in any order:

• Cast a Spell
• Squeak
• Move Around
• Press a Button
• Jump
• Move Back and Forth
• Create an Emoji
Cast a Spell

Make something happen when you move the micro:bit.
Cast a Spell
scratch.mit.edu/microbit

GET READY

Choose a backdrop.
Choose a sprite.

Click the Extensions button.
Then, click to add the micro:bit extension.

ADD THIS CODE

TRY IT

Move the micro:bit to start.
Squeak

Make a sound when you shake the micro:bit.
**GET READY**

Choose a sprite, like Monkey.

**ADD THIS CODE**

```
when shaken
start sound chee chee
cange pitch effect by 10
```

**TRY IT**

- Shake the micro:bit to start.
- Click the stop sign to reset the pitch.

**TIP**

- You can click the Sounds tab to view your character's sounds.
- Click this button to add a sound from the Sound library.
Move Around

Make a character glide around the screen.
Move Around
scratch.mit.edu/microbit

GET READY

Choose a sprite, like Ghost.

ADD THIS CODE

To move faster, type a smaller number, like 0.5

TRY IT

Move the micro:bit to start.
Press a Button

Make something happen when you press the micro:bit button.
Choose a sound, like Chirp.

Click the tab.

Press the A button on the micro:bit to start.

Choose a sound, like Chirp.

Click the tab.

Choose your sound from the menu.

Press the A button on the micro:bit to start.
Have a character jump up and down.
GET READY

Choose a sprite, like Wizard-toad.

ADD THIS CODE

Type a minus sign to move down.

TRY IT

Jump with the micro:bit to start.
Move Back and Forth

Move a character from side to side when you tilt the micro:bit.
**Move Back and Forth**

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**GET READY**

Choose a backdrop, like Witch House

Choose a sprite, like Witch

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**ADD THIS CODE**

Insert the **tilt angle** block into the **set x** block.

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**TRY IT**

Tilt the micro:bit to move your character from side to side.
Create an Emoji

Make your own emoji on the micro:bit display.
Create an Emoji
scratch.mit.edu/microbit

GET READY
Drag out a `display` block and click on the grid.

Click the individual squares to turn them on or off in your design.

ADD THIS CODE

```python
when A button pressed
display

when B button pressed
display
```

TRY IT

Press the A and B buttons to show your emojis on the micro:bit.