

# GETTING STARTED WITH THE MAKEY MAKEY

**Creating your own controller**

What is one way to provide user input or control to a computer or video game?

(How can you make your character move?)



Students, write your response!

MAKEY MAKEY  
BANANA BONGOS

# WHAT WE ARE DOING TODAY?

## What we have done?

Created Epic Games in Scratch



## Where are we going?

Create custom controllers for games



# A MAKEY MAKEY IS AN INPUT DEVICE

that you design!

An input device is  
anything that takes user  
input into a computer.

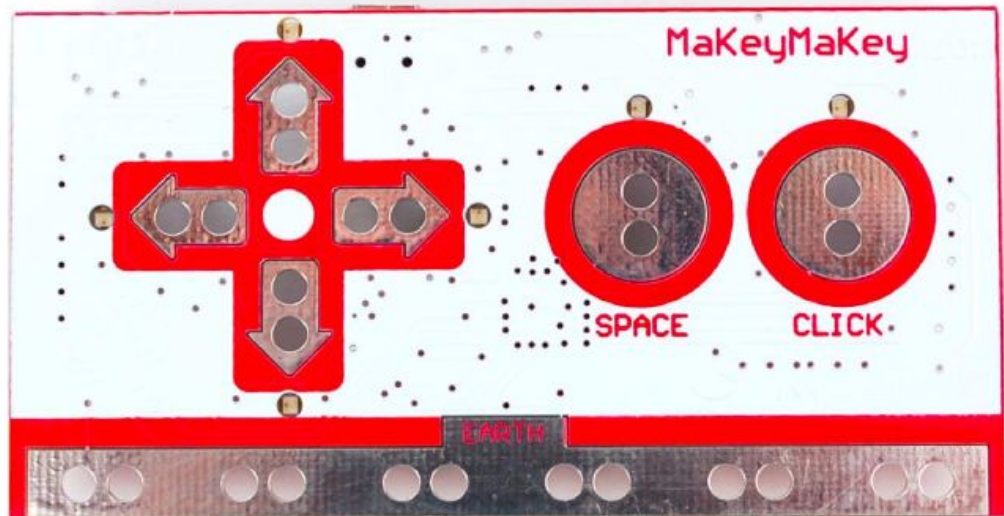
Common examples are  
keyboards, mice,  
microphones and game  
controllers.

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# A LOOK AT THE BOARD

On the front there are places to connect for:

- Up, Down Left & Right Arrows
- Space Bar
- Left Click
- Earth



# How do you think a Makey Makey Works?



Students choose an option

# MAKEY MAKEY WORKS BY CREATING CIRCUITS

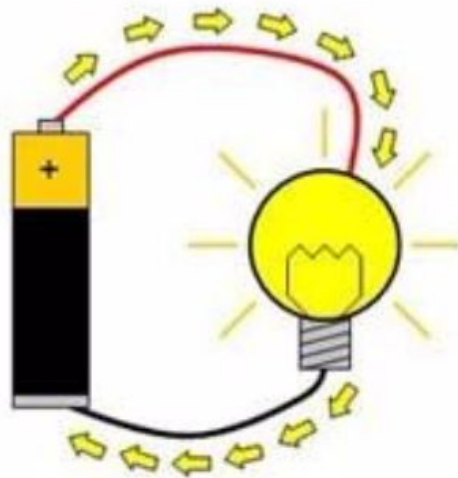
A circuit is a path  
through conductive  
material.

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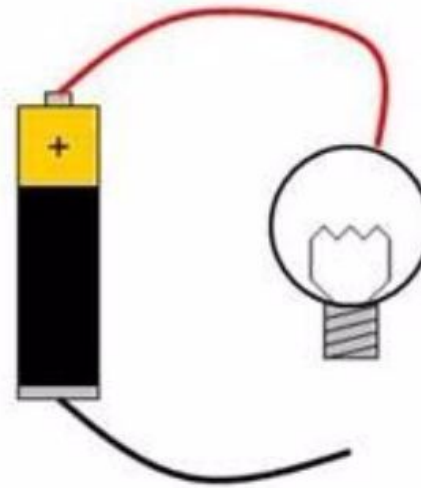


# CIRCUIT REVIEW

**Closed** circuit

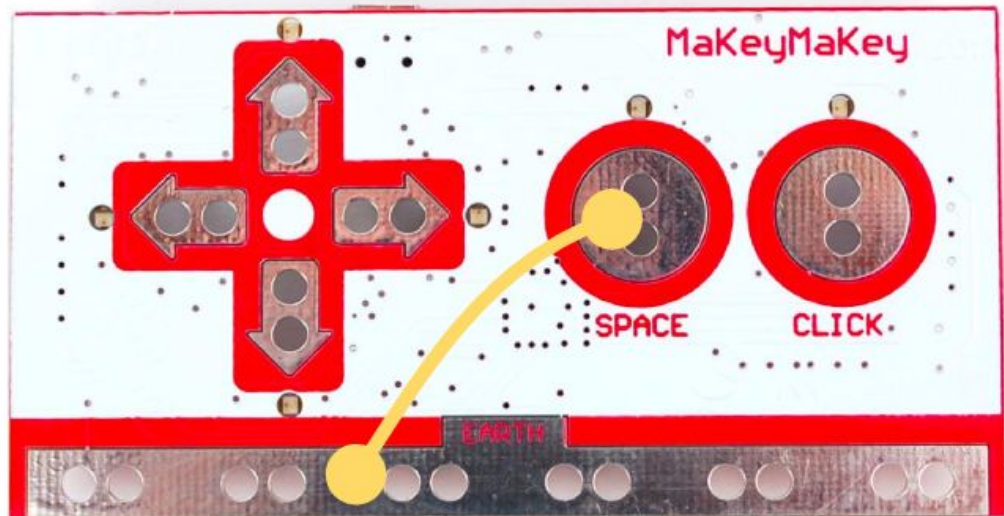


**Open** circuit



# CREATING CIRCUITS ON THE MAKEKEY MAKEKEY

On a Makekey Makekey, a circuit is created by connecting Earth and another space with a conductive material



# What does "conductive" mean?



Students choose an option

Which of the following materials do you think is  
conductive and could be used in our circuits.

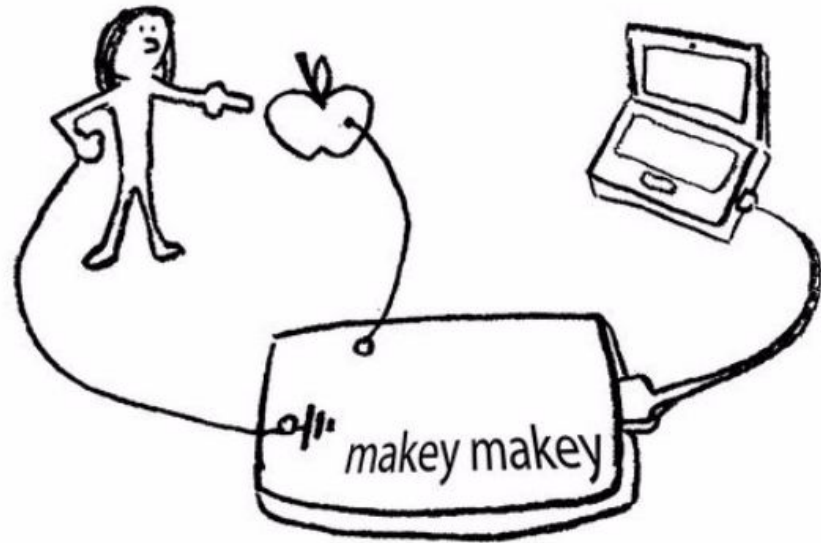


Students choose an option

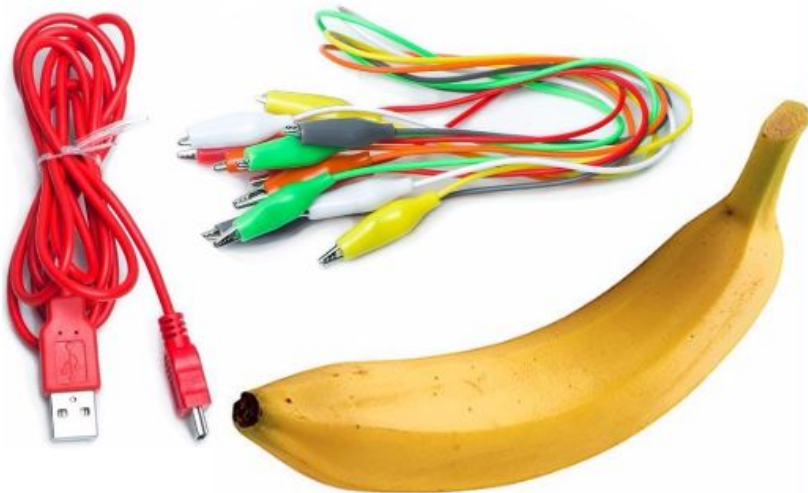
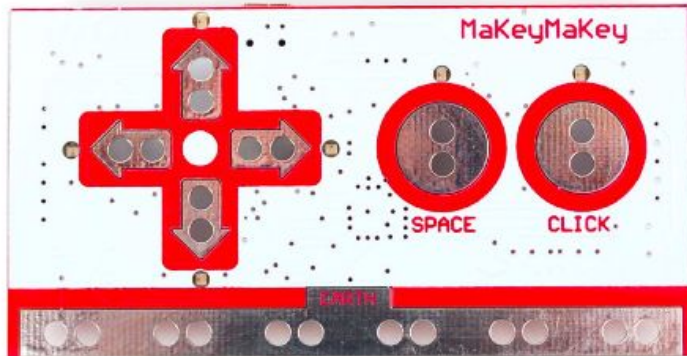
# WHAT CAN WE USE TO MAKE OUR CIRCUITS?

## Conductive Materials:

- Aluminum foil
- Coins
- Graphite Pencils
- Water
- Play Doh
- Fruits
- Vegetables
- People!



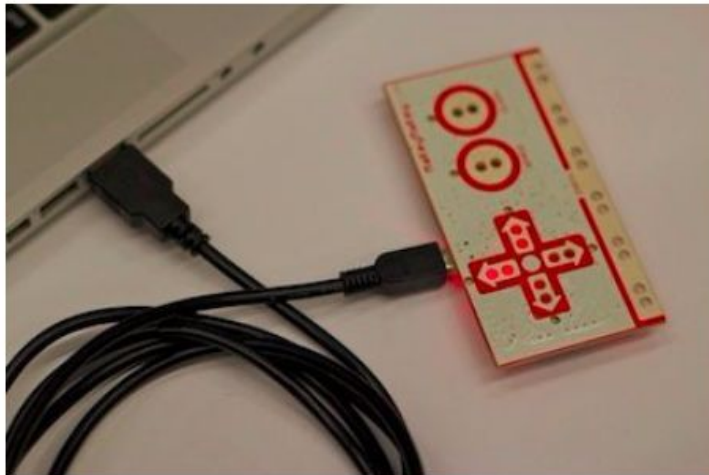
LET'S TRY TOGETHER!



## Step 1:

Open your box, and make sure you have the materials:

- 1 Makey Makey
- 2 Alligator Clips
- 1 USB
- 1 Banana

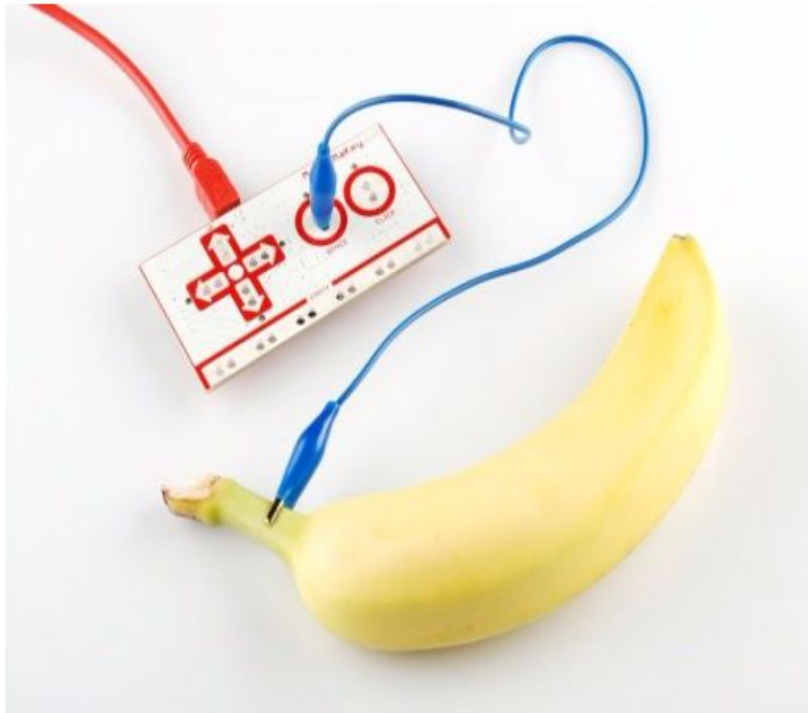


Step 2:

Connect the Makey Makey to the computer with the USB cord.

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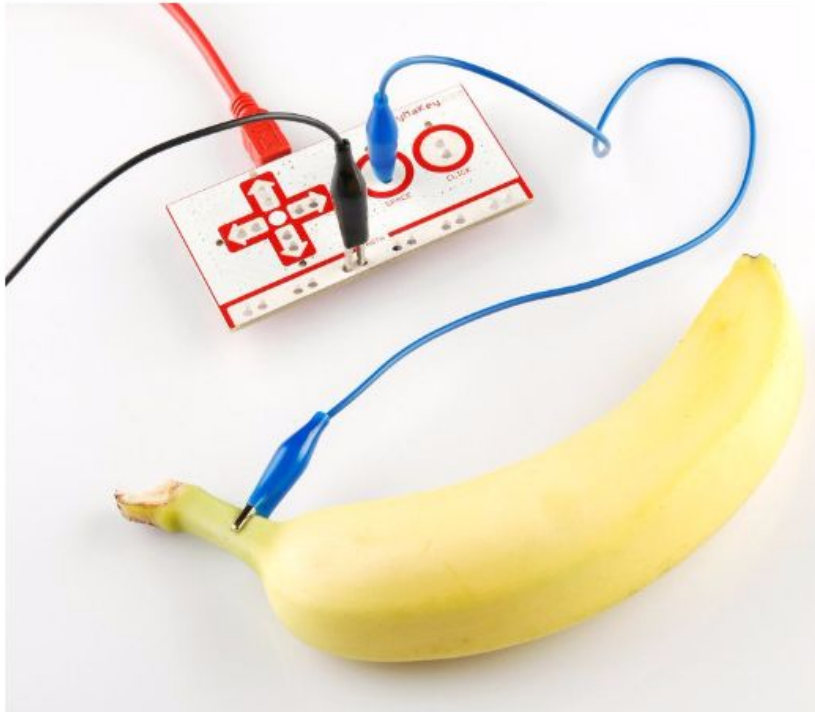




### Step 3:

Connect One side of an Alligator Clip to "Space" on the Makey Makey, and the other side to a Banana

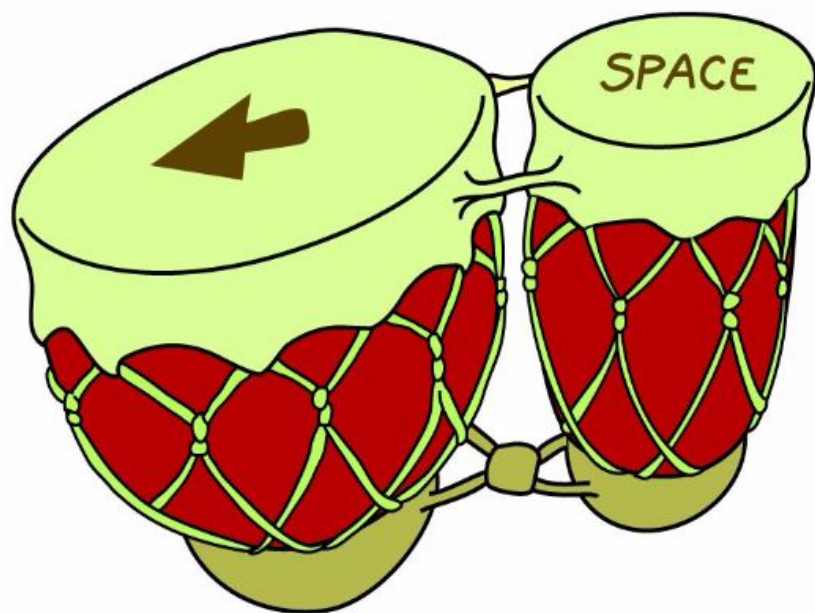
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#### Step 4:

Connect one side of an  
second Alligator Clip to  
Earth. Keep the other side  
of the clip in your hand.

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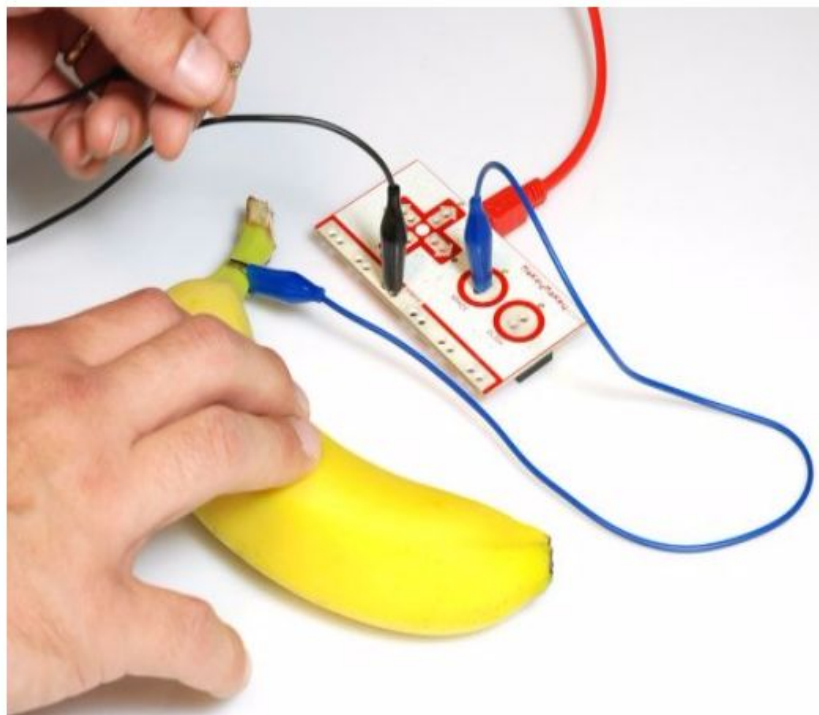


Step 5:

On your computer, visit:

<http://makeymakey.com/bongos>

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Step 6:

With the Earth Alligator  
Clip in one hand, touch the  
Banana

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Step 7:

Make a connection to  
play the second Bongo.

Please go to the monkey, monkey Banana Bongo  
Challenge on the Gamemaker OYO site.

[mhsgamemakers.oyoclass.com](http://mhsgamemakers.oyoclass.com)

Be sure to click "Open in Safari" in the top right  
hand corner of your iPad before logging in.



## RESOURCES

- Official Makey Makey Intro Video:  
<https://youtu.be/rfQqh7iCcOU>
- Sketch it Play it Activity Guide:  
<http://makeymakey.com/guides/pdfs/SketchITPlayIT.pdf>
- Makey Makey Quick Start Guide:  
<https://learn.sparkfun.com/tutorials/makey-makey-quickstart-guide>
- Google: <http://www.google.com>