Makey Makey
What’s a Makey Makey?
A **MaKey MaKey** is a small circuit board that turns everyday objects into touchpads. That’s where the name comes from, Make-Key, Make-Key. It works by creating electrical circuits.
Circuit Board

Extension Wires

USB Cable

Alligator Clips
How does it work?

- The banana is hooked up to the MM via an alligator clip.
- The MM is hooked up to the computer via the USB cable.
- A small amount of electricity is flowing between the banana and the computer.
- To complete the circuit, you need to connect another alligator clip to the “ground” of the MM, to create a ground wire.
- Then, holding the other end of that alligator clip, touch the banana.
- The electricity is travelling through you to the computer - completing the circuit!
The Challenge!

1. In teams of 4, connect the MaKey MaKey to your ChromeBook.
2. Transform the material at your table into a controller using the MaKey MaKey.
3. Find a game online, and play it using your new controller!
Expansion Activities

**Scratch**
Combine MaKey MaKey with Scratch to teach programming basics to kids.

**Conductivity**
Let the students test if objects are conductive by testing if they work with the MaKey MaKey.

**Design**
Have students design video game controllers with a variety of materials - even with a simple pencil and paper!
Discussion

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Credits

Special thanks to all the people who made and released these awesome resources for free:

◎ Presentation template by SlidesCarnival
◎ Photographs by Unsplash