



MAKEY MAKEY GAMIFICATION

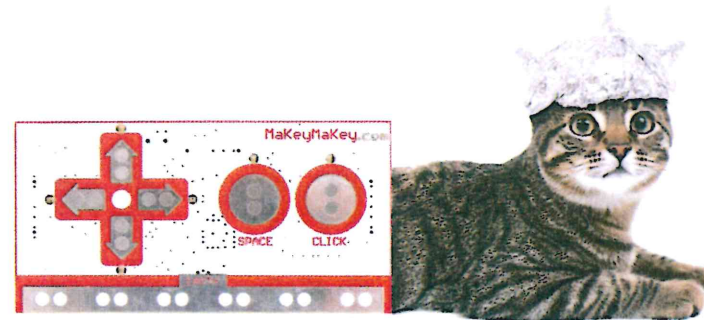
Project Guide



STEM IN YOUTH WORK
MAKER PROJECT

MATERIALS

- Makey Makey
- Laptop
- Tinfoil
- Arts & Crafts Supplies
- Creativity!



MAKEY GAMIFICATION TEAM CHALLENGE

What are we going to be making?

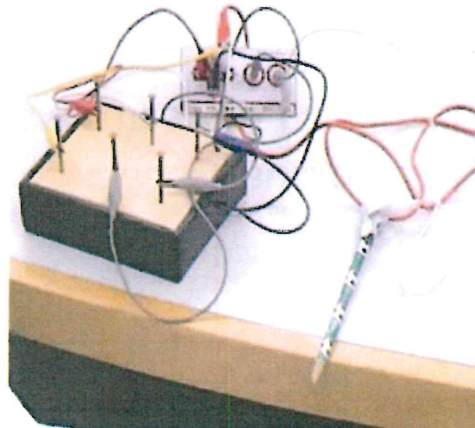
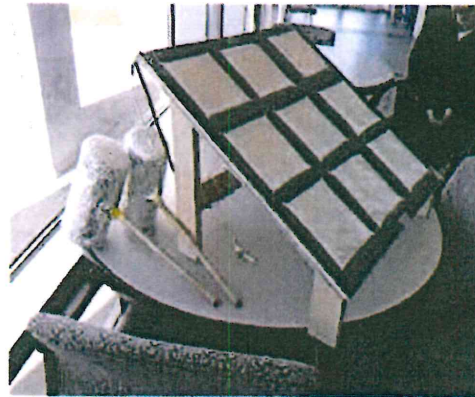
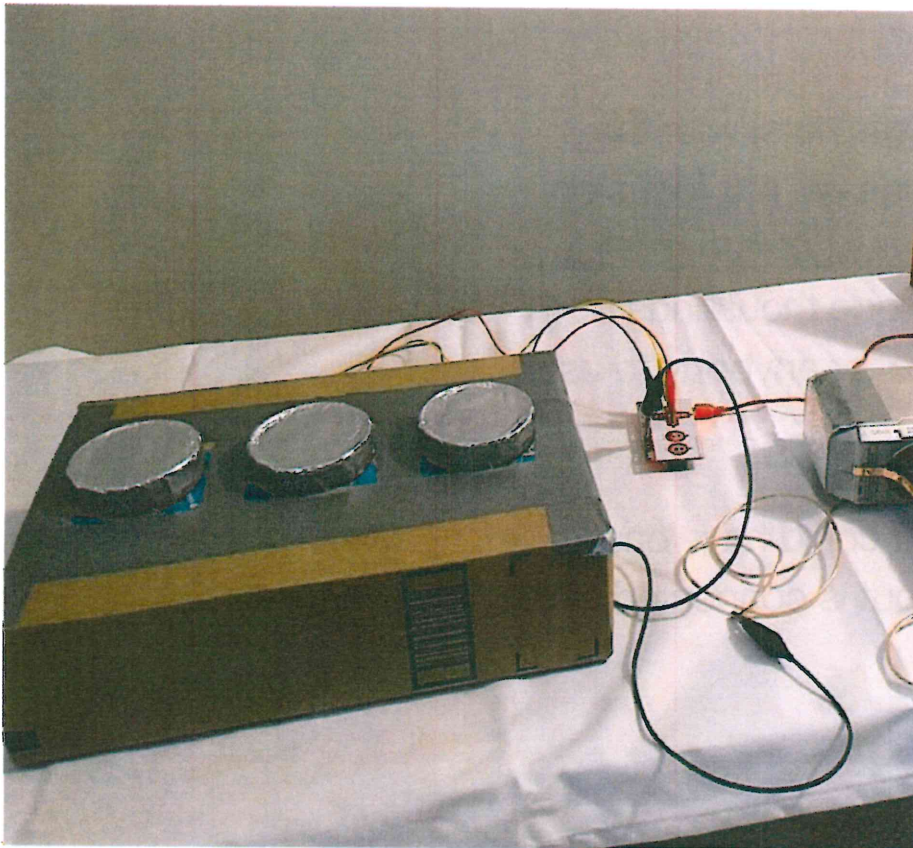
- We will be making multiple game input devices (controllers) with the makey makey to play some online games. This guide will not focus on the coding side, we will use premade games on www.scratch.mit.edu
- Scratch is a coding website where young people code thousands of games, animations and programs that are available for anybody to use.

How will we be making them?

- In essence each game works the very same way, it could have one connection or multiple connections. Once each input is connected in the right place it all works the same.

1. WHACK A MOLE

Game Link - goo.gl/YsTJDc



Controls:

- Hammer - Earth
- Red - Left Arrow
- Blue - Right Arrow
- Green - Down Arrow
- Yellow - Up Arrow

Challenge:

Make a hammer and structure to hit that is in the same order as the holes on the screen

2. SUPER MARIO

Game Link - goo.gl/vdvi5i



Controls:

- Earth - Connected to you
- Left - Left Arrow
- Right - Right Arrow
- Jump - Up Arrow
- Fireball (when active) - Space

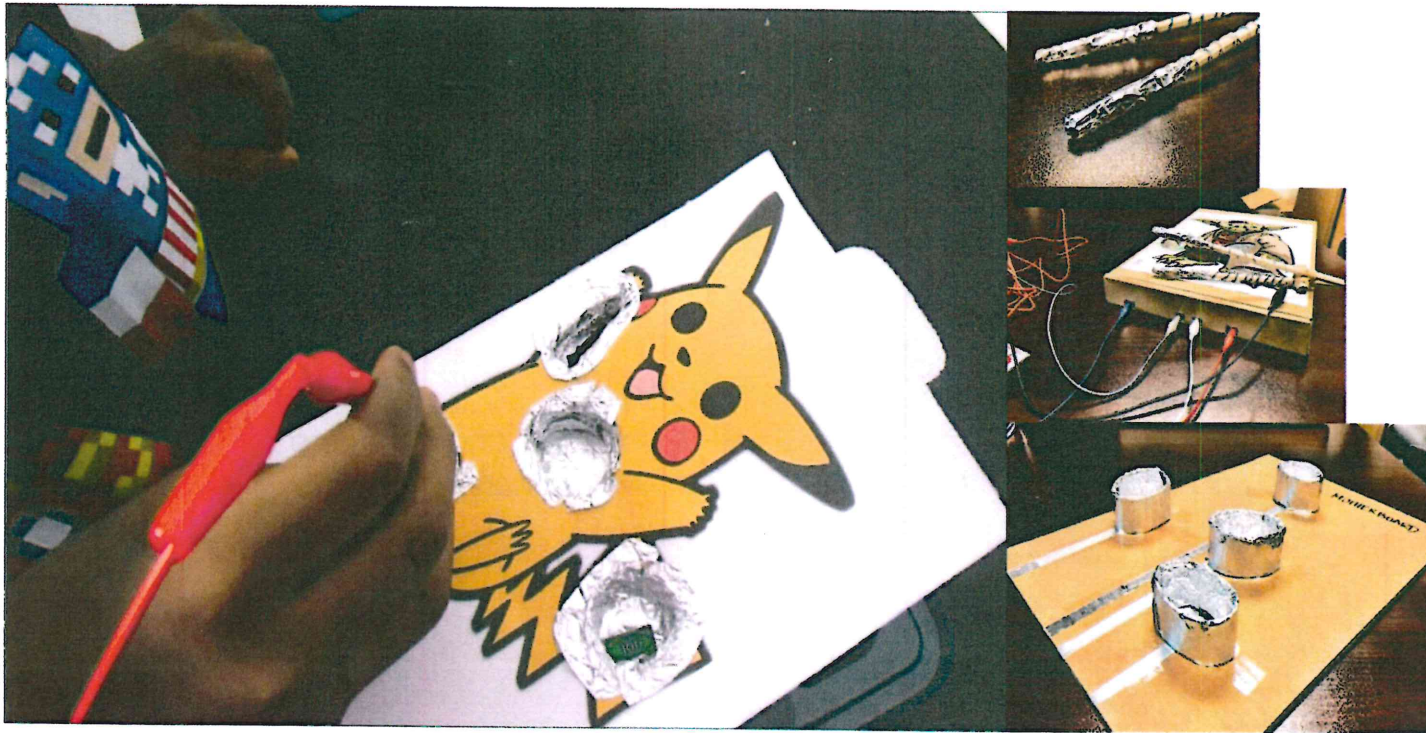
Challenge:

Make a controller and complete the first level of Mario



3. OPERATION

Game Link - goo.gl/CBx28T



Controls:

- Metal Tweezers - Earth
- Body Parts - Space

Challenge:

Make your own working game of operation with 4 body parts and complete it.

4. DANCE DANCE REVOLUTION -

goo.gl/F7NGgo



Controls:

- Earth - You
- Left - Left Arrow
- Right - Right Arrow
- Up - Up Arrow
- Down - Down Arrow

Challenge:

Create your own working dance mat, play one song and record your score to see which team scores the highest.

Hint: Electricity won't go through shoes!!