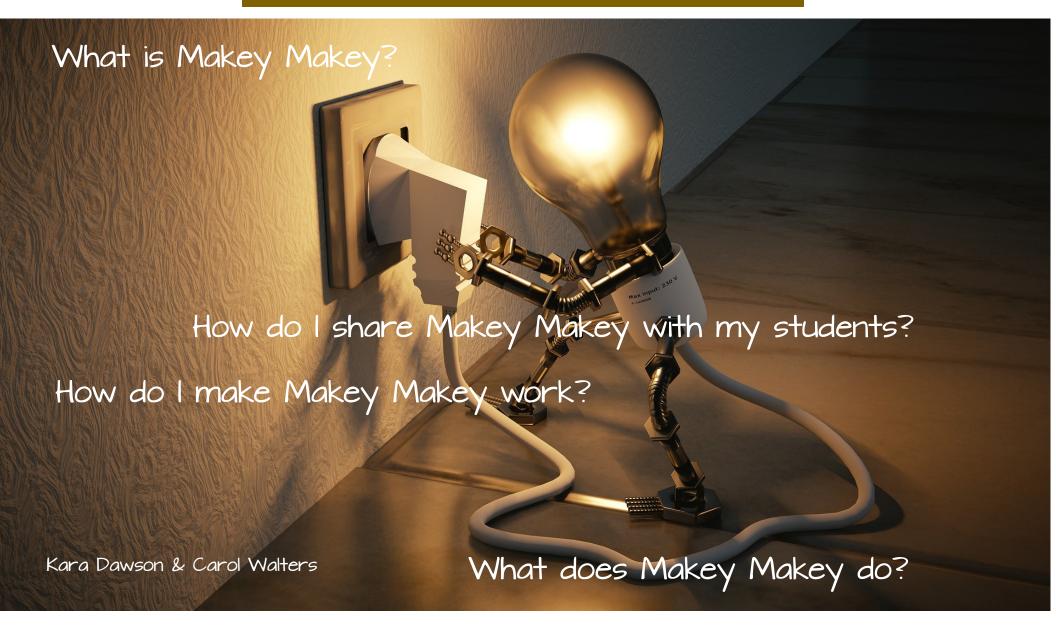
# Say Hello to Makey Makey



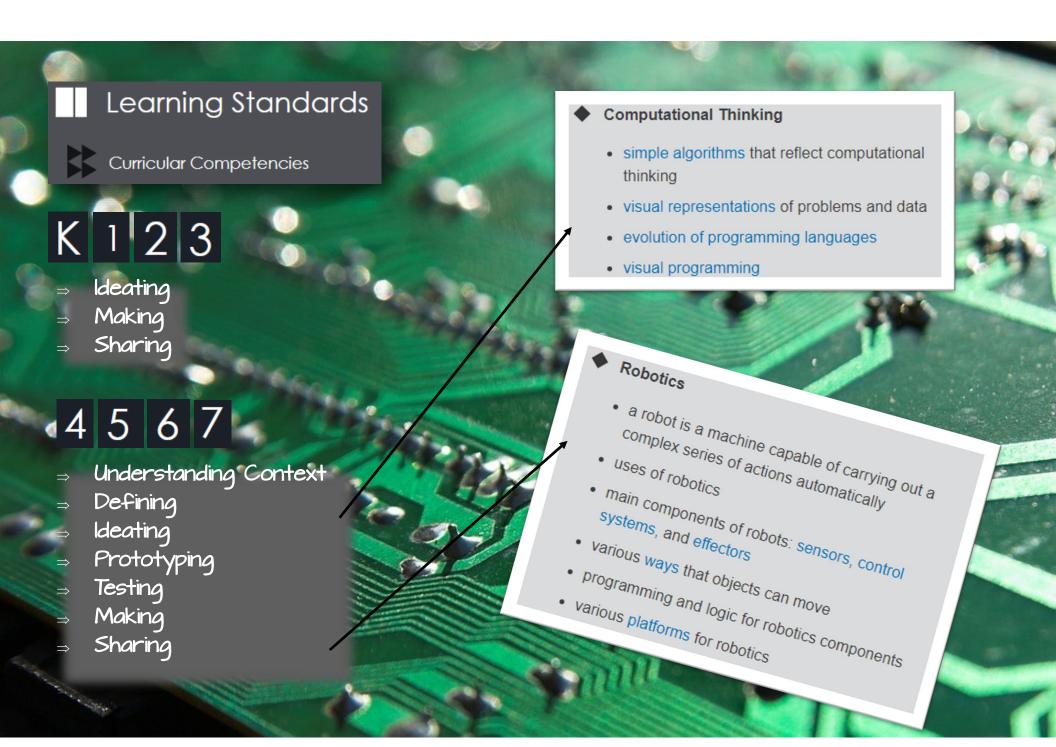
# Applied Design, Skills, and Technologies K 1 2 3

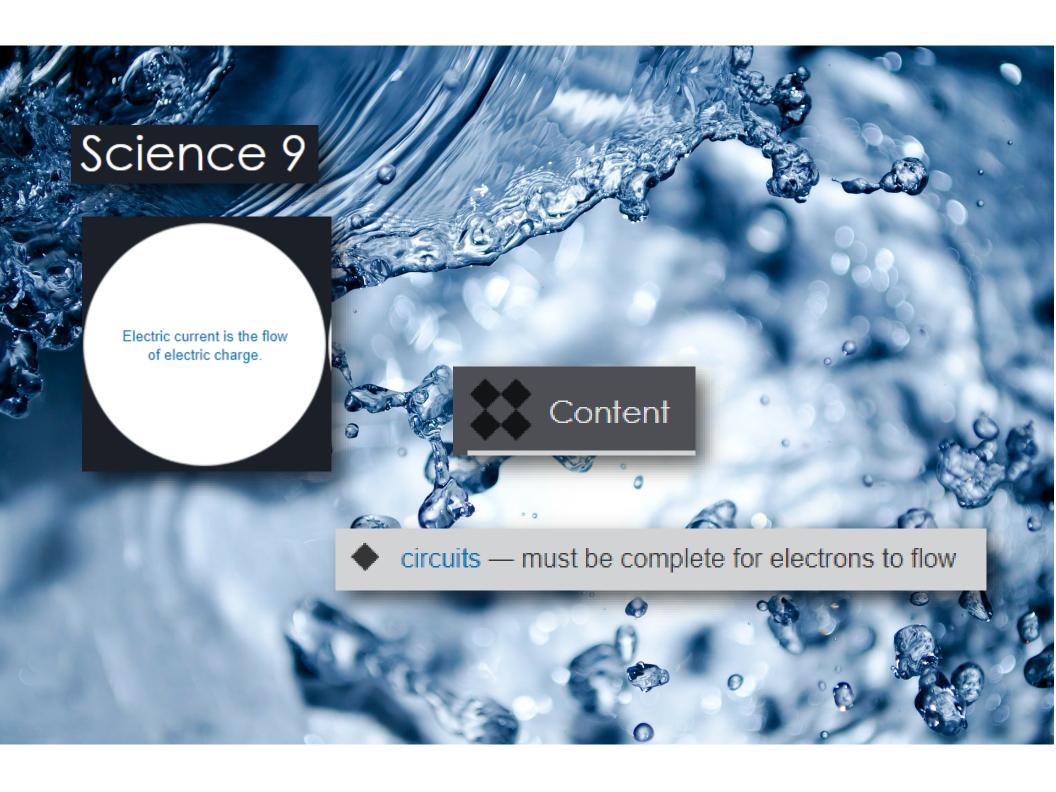


# Applied Design, Skills, and Technologies 4 5







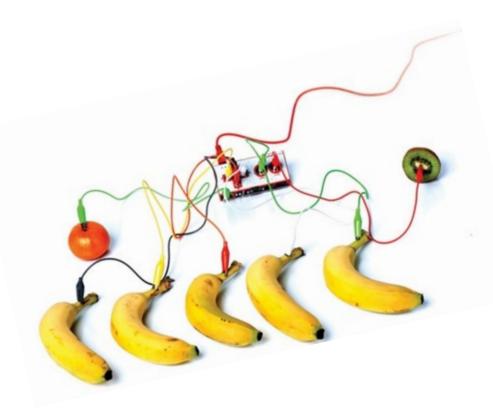


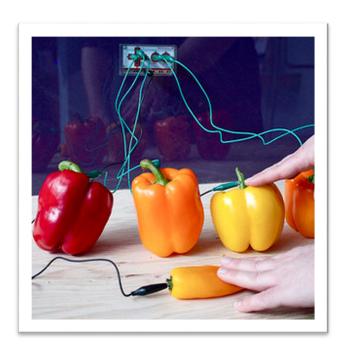
# Relax ... Breathe ... These pages will really help!

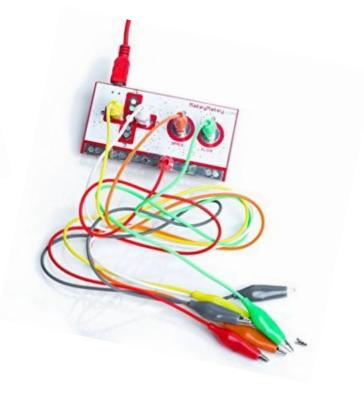


# What is Makey?

Makey Makey is an invention kit for the 21st century. Turn everyday objects into touchpads and combine them with the internet. It's a simple Invention Kit for beginners and experts doing art, engineering, and everything Inbetween.







# How do I Make Makey Makey Work?

Choose your learning style. Some people like to jump right in;. Others take a more cautious approach. Watching your students tackle Makey Makeys will give you another lens into their learning style.

## Jump in!

Some learners are fearless. Let them jump into this technology! They'll figure it out

through trial and error.



# How do I Make Makey Makey Work?

#### The Perfectionist:

Some learners will want to dot their 'I's and cross their 't's before trying to make Makey Makey work. And that's just fine too! There's a user manual that comes with Makey Makey. Some students might like to read through it before getting started.

There are also lots of videos to get started,

https://www.youtube.com/ watch?v=rfQqh7iCcOU





# Getting Started with Makey Makey

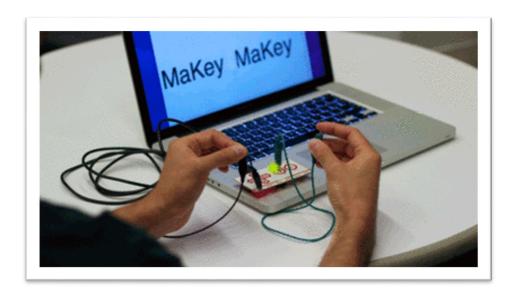
The following link provides lots of basics to get started.

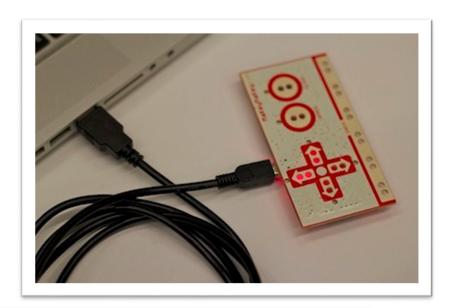
Plug in.

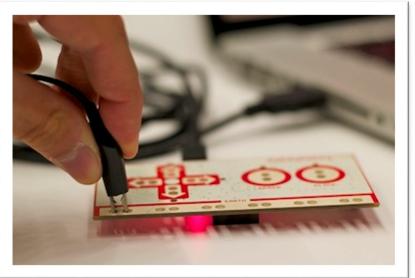
Connect.

Play!

https://makeymakey.com/how-to/classic/







### Getting Started with the Makey Makey:

Plug the smaller end of the red cord into the Makey Makey and the larger USB end into the computer. If a pop-up window comes up telling you your computer is installing drivers, close the window. At the bottom of the Makey Makey you will see the label **Earth** with sets of holes underneath it. Connect one of your alligator clips to one of the holes on Earth. Now if you hold the other end of that alligator clip, the Makey Makey is grounded. If you touch the circle on the Makey Makey, the cursor on your computer should move forward as though you are touching the space bar.

Now Try Fruit			
1	Now try hooking another alligator clip to the two holes in the Space circle.		
2	Hook the other end of the alligator clip to a piece of fruit		
3	Now when you touch the fruit, the cursor on your computer should move forward as though you are touching the space bar.		
4	Visit the Makey Makey website: <a href="https://makeymakey.com/apps/">https://makeymakey.com/apps/</a>		
5	Open one of the apps and try using your Makey Makey to make music.	Apps to Use with Makey Makey  Click here to skip to Makey Makey Go apps  Bongos Play some bongo drums with the space bar and left arrow. Turn anything into a druml  Plan A piano designed for Makey Makey. Play a melody with the arrow keys and space bar (and click, too).  MK-1 A sampling synth for Makey Makey. Record your own sound, use present scales, and set the keys to play just the notes you want.  Canabalt This is a running game, with just one button: press the space bar to jump, or invent your own way.  Scratch Plano This is a plano you can play with the arrow keys. It was created using Scratch, an easy-to-use graphical programming language, so you can remix it and make your own version.  Touch play this Tetris game with the arrow keys or make your own custom controller.  Sound Effects This page turns your keyboard into a sound effects machine. By connecting to the lefters on the back of your Makey Makey, you can create your own way to trigger sounds.	

#### Some ideas-What can I do with the Makey Makey?

For lot of ideas and to see how other classes are using the Makey Makey, please visit the gallery on the Makey Makey page: <a href="https://labz.makeymakey.com/remixes">https://labz.makeymakey.com/remixes</a>

Here are some other ideas with lesson plans:

IDEA	What is it?	Link to a lesson plan
Create a piano	In this lesson you use 6 bananas to make a six-key piano with the Makey Makey. You can make many different types of instruments-this is a great introduction.	http://librarymakers.net/piano-keyboard-makey-makey
Makey Makey Game Controller Challenge	Students (Grades 5 and up) create games in Scratch and then use the Makey Makey to create game controllers.	https://makeymakey.com/lessons/game-controller-challenge/
Makey Makey Science and Math Classify and Sort Lesson Plan	Students (Grades 5-9) can create a classifying and sorting game for shapes and angles.	https://makeymakey.com/lessons/sort-and-classify-lesson/
Simple Circuit Challenge	Students use the Makey Makey to learn simple circuits, parallel circuits and switches by completing challenge cards.	https://labz.makeymakey.com/cwists/preview/559-simple-circuits-challengex
Hacking Poetry with Makey Makey	Students will create visuals to go with poetry. Then they record their voice in Scratch reading the poem and use the Makey Makey to have the listeners press on the visuals to hear parts of the poem.	https://colleengraves.org/2016/12/01/resource-hacking-poetry-with-makey-makey/ https://docs.google.com/document/d/1325ICUC2iW68YZv_LdE8vloOklPa6j-pqqd14kuG9z0/edit
Jar Jar Keys	Students create a musical project with jars and water and the Makey Makey.	https://makeymakey.com/guides/jar.php

Makey Makey Educators Guide - <a href="https://makeymakey.com/education/Makey\_Makey\_Educators\_Guide.pdf">https://makeymakey.com/education/Makey\_Makey\_Educators\_Guide.pdf</a>

How do I Make Makey Makey Music?

#### The Perfectionist:



**LEGO Drummer** 

# What materials work with Makey Makey?

The Perfectionist will research this before trying.

The jumper will jump right in and see what happens!

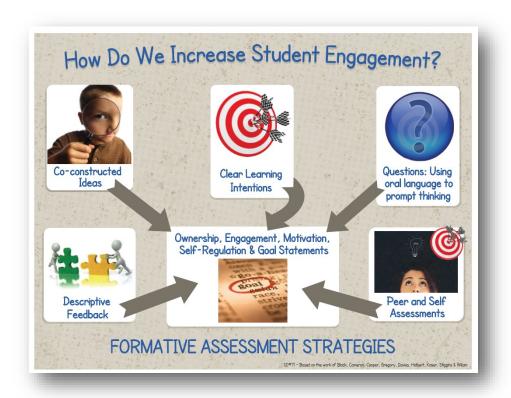




Any material that can conduct at least a tiny bit of electricity will work. Here are some materials people have used in our workshops including Ketchup, Pencil Graphite, Finger Paint, Lemons, etc.:



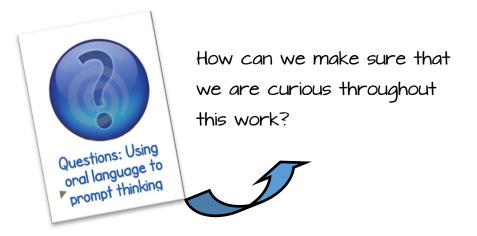
Other materials that work great: Plants, Coins, Your Grandma, Silverware, Anything that is Wet, Most Foods, Cats and Dogs, Aluminum Foil, Rain, and hundreds more...





I can work with others to design creative ways to program the Makey Makey.







What does positive, descriptive feedback sound like?



# Makey Makey Writing Opportunities ...

Please, please provide opportunities for your students to write about Makey Makeys. Their writing can take on several formats:

- A makey Makey story,
- (fictional narrative)
- Create Makey Makey directions (proceduaral writing)
- Write in role pretending you are a Makey Makey
- Write lyrics to accompany your Makey Makey music.

There are so many possibilities. The Makey Makeys will provide experiences that will fuel writers.





#### SAMPLE "I" STATEMENTS

- → I get ideas when I play. My ideas are fun for me and make me happy
- I can get new ideas or build on other people's ideas, to create new things within the constraint of a form, a problem, or materials.
- → I generate new ideas as I pursue my interests.
- I get ideas that are new to my peers.
- I can develop a body of creative work over time in an area I'm interested in or passionate abou

#### 1. Novelty and value



#### SAMPLE "I" STATEMENTS

- I get ideas when I use my senses to explore
- I build on others' ideas and add new ideas of my own, or combine other people's ideas in no to create new things or solve straightforward problems.
- I deliberately learn a lot about something (e.g., by doing research, talking to others or praiso that I am able to generate new ideas or ideas just pop into my head.
- → I have deliberate strategies for quieting my conscious mind (e.g., walking away for a white, a something relaxing, being deliberately playful) so that I can be more creative.
- I have interest and passions that I pursue over time.

3. Developing ideas

# Core Competencies

#### SAMPLE "I" STATEMENTS

- → I make my ideas work or I change what I am doing.
- → I can usually make my ideas work within the constraints of a given form, problem, and materials if I keep playing with them.
- I build the skills I need to make my ideas work, and usually succeed, even if it takes a few tries.
- → I use my experiences with various steps and attempts to direct my future work.
- I can persevere over years if necessary to develop my ideas. I expect ambiguity, failure, and setbacks, and use them to advance my thinking.

#### 2. Generating ideas





#### SAMPLE "I" STATEMENTS

- With some direction, I can demonstrate respectful and inclusive behaviour.
- I can explain when something is unfair.
- I can advocate for others.
- I take action to support diversity and defend human rights, and can identify how diversity is beneficial for my community, including online.

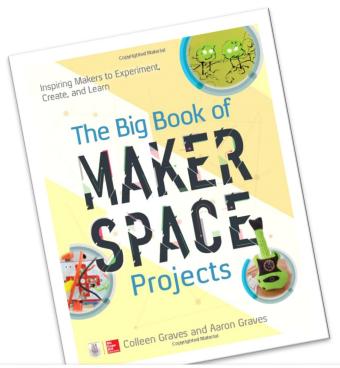
3. Valuing diversity

#### SAMPLE "I" STATEMENTS

- With some support, I can be part of a group.
- I am kind to others, can work or play co-operatively, and can build relationships with people of my choosing.
- → I can identify when others need support and provide it.
- → I am aware of how others may feel and take steps to help them feel included.
- → I build and sustain positive relationships with diverse people, including people from different generations.

4. Building relationships

#### Watch a video, read a user manual, a book or just jump in!



#### MaKey MaKey - An Invention Kit for Everyone - YouTube



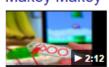
https://www.youtube.com/watch? May 14, 2012 - Uploaded by Jay \$ Get yours at makeymakey.com N Dough, let your kitty take a ...

#### MaKey MaKey - An Invention Kit for Ev



https://vimeo.com > jay silver/ Feb 22, 2013 - Uploaded by ia Get yours at makeymakey.co Dough, let your kitty take a .

#### Makey Makey



https://www.makeymakey May 9, 2012

Makey Makey: Ever playe clip the Internet to your w

#### MaKey MaKey: An Invention Kit for



Jay Silver is raising funds for MaKey MaKey: An Invention Kit for Everyone on 2:12 Kickstarter! Ever played Mario ...

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#### key MaKey Music Examples - YouTube



https://www.youtube.com/watch?v=wkPt9MYqDW0 •

Nov 17, 2013 - Uploaded by Eric Rosenbaum

How can you make music with MaKey MaKey? Here are 19 amazing examples by makers from around the ...

#### key MaKey: An Invention Kit for Everyone - YouTube



https://www.youtube.com/watch?v= DWQ6ce2Ags • May 16, 2012 - Uploaded by Jay Silver MaKey MaKey.



Be the Change!

key was pressed. If you have a text editor, you should see that

you can now use your banana or persny as a "igueze bus"

