**WORKSTATION 3: MAKEY MAKEY**



**LEARNING OUTCOMES:**

**ST2-7MW-T investigates the suitability of natural and processed materials for a range of purposes**

**ST2-2DP-T Selects and uses materials, tools and equipment to develop solutions for a need or opportunity**

**ST2-3DP-T Defines problems, describes and follows algorithms to develop solutions**

**Task: Workstation 3**

**For this task you will build your own musical instrument and create an animation that can be played using real world objects.**

1. **Visit the Makey Makey tutorial: http://bit.ly/musicmakeyscratch**
2. **Brainstorm some ideas of what instrument you can make. The instrument needs to have at least five controls that allow everyone to play their own tune.**
3. **Construct a program in Scratch that plays different sounds depending on which arrow key you press. http://bit.ly/connectmakeyscratch**
4. **Connect Makey Makey to allow the musical instrument you have developed to be played using different real world objects.**
5. **If you have time, try adding extra notes, objects & even animations.**



**Implement**

What kind of instrument sound will it make? Will you use the built-in sounds or record your own?

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 How would you allocate the keys on the Makey Makey board? Write down the note/sound that the key will play.



Left Arrow = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Right Arrow = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Up Arrow = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Down Arrow = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Space = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Optional*

*W = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

*A = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

*S = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

*D = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

*F = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

*G = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

Example solution → **http://bit.ly/examplemakeymakeystage2**