

Textile Station



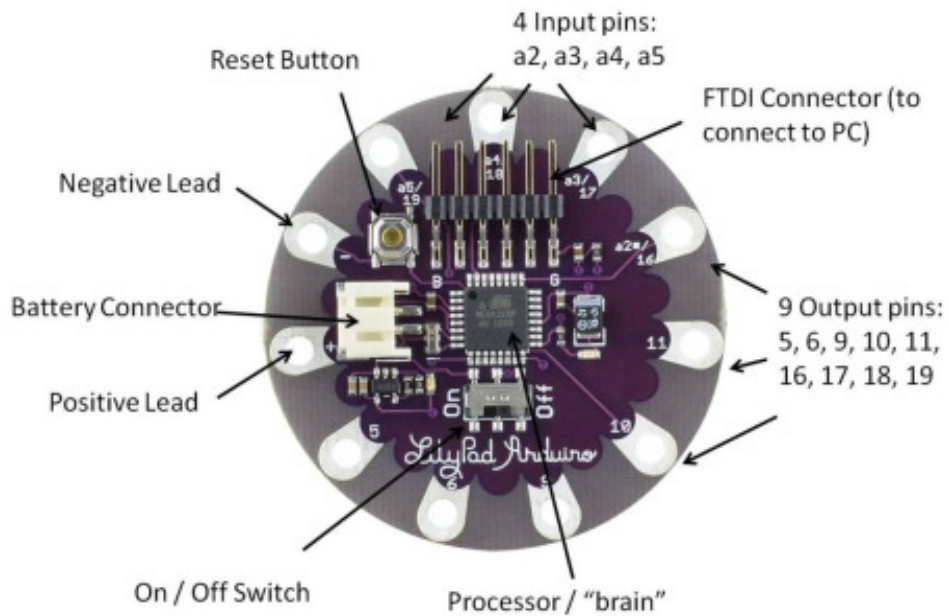
LilyPad Introduction: <https://youtu.be/L4a89n4ZJ5w>

- <http://makeymakey.com/guides/weave.php>
- <http://makezine.com/2010/04/06/geek-chic-massive-e-textiles-roundu/>
- <https://www.pinterest.com/DELibraries/maker-etextiles-700/>
- <https://learn.sparkfun.com/tutorials/tags/lilypad?page=all>
- <http://sewelectric.org/diy-projects/>
- <http://lilypadarduino.org/?cat=15>

Littlebits Introduction: <https://vimeo.com/45276780>

- <http://littlebits.cc/projects>
- <http://www.instructables.com/id/LittleBits-Projects/>

The LilyPad Arduino “Simple” Board



Video Production Station

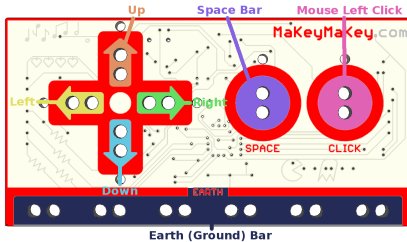
- <http://jonathanwylie.hubpages.com/hub/How-to-Use-Green-Screen-Effects-on-the-iPad>
- <http://www.wikihow.com/Use-Greenscreen-on-Windows-Movie-Maker>
- iMovie 10 (2015) Green screen tutorial (Youtube)
- Green Screen example - <https://youtu.be/nUWy5nzsRUQ>
- LEGO Movie Maker - <https://itunes.apple.com/ca/app/lego-movie-maker/id516001587?mt=8>
- Green Screen Mobile Effects - <https://itunes.apple.com/ca/app/green-screen-mobile-effects/id523308604?mt=8>
- Chroma Key Studio Pro - <https://itunes.apple.com/ca/app/chroma-key-studio-pro-green/id952792265?mt=8>
- iMotion (iOS) - <https://itunes.apple.com/ca/app/imotion/id421365625?mt=8>

3D Printing Station

- <http://www.thingiverse.com/>
- <http://3dprintingforbeginners.com/3d-model-repositories/>

Programming Station

1. Makey Makey Introduction: <https://youtu.be/rfQqh7iCcOU>



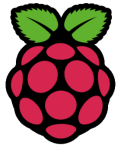
- <http://makeymakey.com/guides/operation.php>
- <http://makeymakey.com/guides/maze.php>
- <http://makeymakey.com/guides/zine.php>
- <http://web.media.mit.edu/~ericr/makeymakey/>
- <https://www.pinterest.com/zackboston/makey-makey/>
- soundplant.org/download.htm

2. Aduino Introduction: <https://www.youtube.com/watch?v=CqrQmQqpHXc>



- <http://sylviashow.com/episodes/s1/e3/full/arduino>
- <http://www.makerkids.ca/10-arduino-projects-that-blow-our-mind/>
- <http://www.makeuseof.com/tag/10-great-arduino-projects-for-beginners/>

3. Raspberry Pi Introduction: https://youtu.be/_Jhl_pS-WqI



RaspberryPi

- Raspberry Pi for beginners YouTube Channel:
<https://www.youtube.com/user/RaspberryPiBeginners>
- <http://www.instructables.com/id/Raspberry-Pi-Projects/>
- <https://www.raspberrypi.org/resources/learn/>
- <https://www.raspberrypi.org/resources/make/>

4. EV3 Lego Mindstorm Introduction: <https://youtu.be/Unjiv0oBcV0>

- <http://www.lego.com/en-us/mindstorms/learn-to-program>
- Teacher Guide:
<http://www.education.rec.ri.cmu.edu/content/lego/ev3/files/EV3%20teachers%20guideWEB.pdf>
- <http://www.intorobotics.com/best-lego-mindstorms-ev3-robotics-projects/>
- <http://robotsquare.com/category/robots/ev3/>

6. WeDo Lego:

- <http://www.legoengineering.com/wedo-activities-and-building-projects/>

5. Music Production

- http://makeymakey.com/guides/musical_room.php
- <http://www.instructables.com/id/How-to-Make-LEDs-Flash-to-Music-with-an-Arduino/?ALLSTEPS>
- [LED Music Player -- My First Arduino Project - YouTube](#)
- <http://sonic-pi.net>

Lo-Tech Engineering Station

These brilliant engineering projects will keep curious minds thinking about how things work.

- http://www.hellowonderful.co/post/12-BRILLIANT-DIY-ENGINEERING-PROJECT-FOR-KIDS#_a5y_p=1959286
- <http://www.instructables.com/id/Project-Based-Engineering-for-Kids/>
- <http://thehomeschoolscientist.com/100-engineering-projects-kids/>
- <http://www.instructables.com/tag/type-id/?sort=none&q=building+things+out+of+cardboard>
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