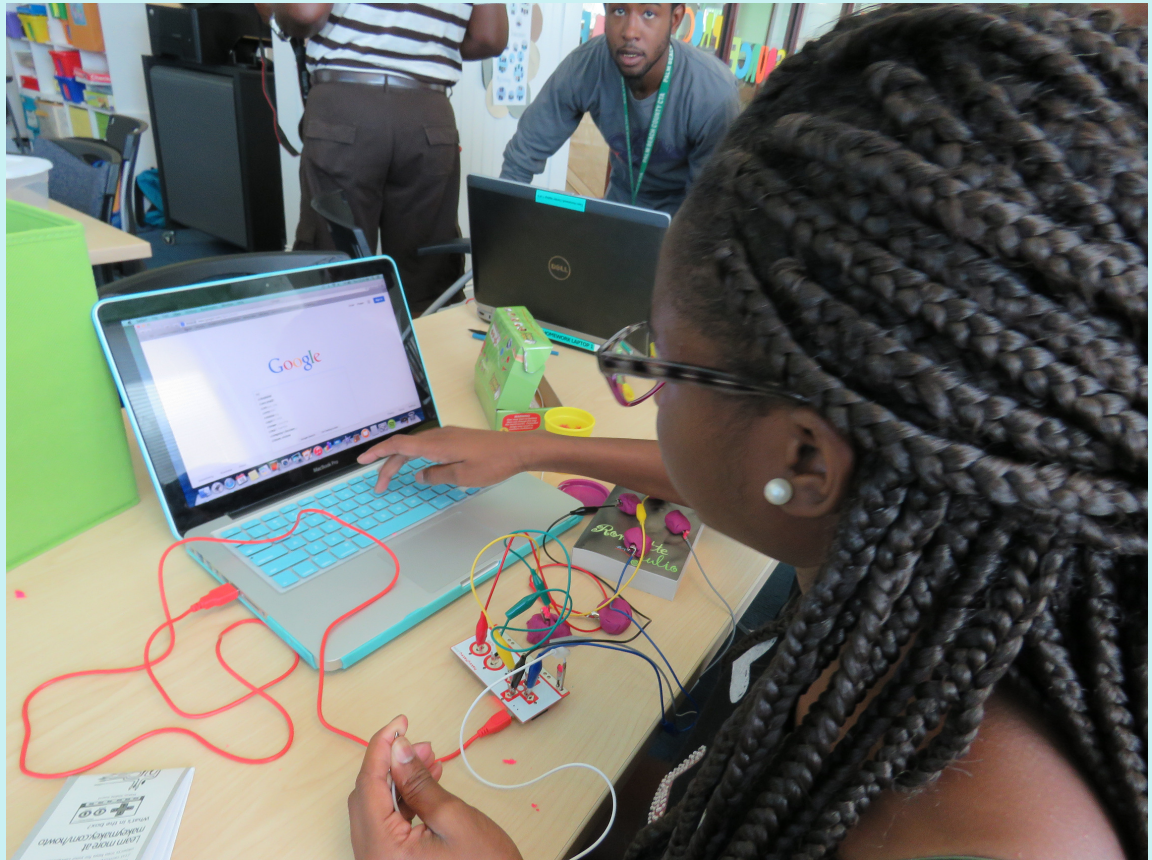Internet

Ideas

Creation

Communicate

USING DIGITAL LITERACY TRENDS WITH YOUNG ADULTS

By Darlene Encomio

What is Digital Literacy?

Digital Literacy is the ability to use information and communication technologies to find, evaluate, create, and communicate information, requiring both cognitive and technical skills. -ALA.org

Vision

As librarians our first step is to introduce teens to technology and information, thus opening the flood gates of creation and communication and helping guide them through the process. By using technologies like Makey Makey, Arduino, Raspberry Pi, and MIT's Scratch Lab, young adults are encouraged to explore the internet for information in order to seek out ideas. They are then able to become inspired, bring their ideas to life, communicate their creations via social media, blogs, YouTube, and so on. Through this process, young adults are able to learn, research, and enrich their world through digital literacy.

Technology Used for Digital Literacy

Through grants and donations the library gained technology with the intent to focus on STEAM programming with teens. Combined with opensource software and social media, teens were able to explore, research, create, and communicate ideas.
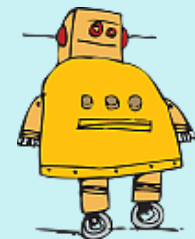
Makey Makey

3D Printer

Arduino

Raspberry Pi

Circuit Scribe

Digital Literacy Programs

- Teen Tech Lab

- STEAM Break

- 3D Printing Showcase

- Summer Camp Visit Expo

Resources:

Internet

- makeymakey.com

- https://scratch.mit.edu/

- arduino.com

- instructables.com/id/Arduino-Projects/

- thingiverse.com

- tinkercad.com

- makerbot.com

- Booktube

- Circuitscribe.com

Resources

Journal Articles

MacGregor, A. School Library Journal. April 14, 2015. http://www.teenlibrariantoolbox.com/2015/04/youtubeweek-a-booktube-crash-course-a-guest-post-by-abbyrosereads/

McKay, C. 2013. Digitally Interfaced Book: Paper, Graphite, Makey Makey, Scratch, and Imagination. National Writing Project Digital Is. http://digitalis.nwp.org/resource/4885

Russo, A., Ahn, B. Y., Adams, J. J., Duoss, E. B., Bernhard, J. T. and Lewis, J. A. (2011), Pen-on-Paper Flexible Electronics. Adv. Mater., 23: 3426–3430. doi: 10.1002/adma.201101328

Sansing, C. (2015). SLJ Reviews the MaKey MaKey | Test Drive. School Library Journal. http://www.slj.com/2015/04/opinion/test-drive/slj-reviews-the-makey-makey-test-drive/