



Library Services
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Library Services

MakerSpaces Resources

This document can continue to evolve. If you find a great resource, please email it to Andy Yuan ahyuan@aps.k12.co.us and it'll be added to this list.

Colorado State Library: Defining Maker Video

<https://www.youtube.com/watch?v=rajNE0NLgWY>

CLiC Makerspace Funding

<https://www.youtube.com/watch?v=00CUzadMuUI>

A Librarian's Guide to MakerSpaces

<http://oedb.org/ilibrarian/a-librarians-guide-to-makerspaces/>

Maker Issue of School Library Journal

<http://www.slj.com/features/the-maker-issue-slj-2015/#>

MakerSpaces in Schools (NJ)

https://www.youtube.com/watch?v=zZE8nCABAX4&list=PLDSRWvsicDDpMITIGJB8t_kvY25kwiGCR

What Is a Makerspace? (MS)

https://www.youtube.com/watch?v=7NUjR9I6vyE&list=PLDSRWvsicDDpMITIGJB8t_kvY25kwiGCR&index=3

Makerspaces in Schools (AL)

https://www.youtube.com/watch?v=4D6WtQYoJ_s&list=PLDSRWvsicDDpMITIGJB8t_kvY25kwiGCR&index=10

Squishy Circuits – Sylvia's Mini Maker Show

https://www.youtube.com/watch?v=UDZo51k2BWQ&list=PLDSRWvsicDDpMITIGJB8t_kvY25kwiGCR&index=13

Start Small MakerSpaces

<http://www.slj.com/2016/02/technology/small-tech-big-impact-designing-my-maker-space/>

School Library Journal: The Maker Issue

<http://www.slj.com/2015/05/programs/where-the-magic-happens-the-maker-issue/>

3D Optical Illusions to create

<http://www.today.com/pets/dragon-follows-your-every-move-trippy-optical-illusion-t75486>

Plans: <http://followingillusions.weebly.com/index.html>

<http://www.urdjuret.com/Optical/Illusions.html>

3D Printers

3D Printers: <http://www.makershed.com/collections/3d-printing>

10 Best 3D Printers of 2016: <http://3dforged.com/best-3d-printers/#18>

10 Best Budget 3D Printers of 2016: <http://3d-printers.toptenreviews.com/budget/>

Best 3D Printers of 2016: <http://3d-printers.toptenreviews.com/>

Best 3D Printers for 2016:

Introduction to 3-D Printing: <http://computer.howstuffworks.com/3-d-printing.htm>

Mattel's New 3-D Printer: <http://www.nbcnews.com/tech/innovation/mattel-s-new-3-d-printer-lets-your-kids-make-n520136>

Sketchup: <http://www.sketchup.com/download/all>

3D Printing Pen

<http://the3doodler.com>

<http://www.teenlibrariantoolbox.com/?s=makospace>

47 Programmable Robotics Kits

<http://www.intorobotics.com/47-programmable-robotic-kits/>

100% Free and Easy Green Screen Effects for MovieMaker

<http://www.instructables.com/id/100-Free-Easy-Greenscreen-Effects-for-MovieMake/>

Amazon: 4M Soda Can Robug

[http://www.amazon.com/4M-3647-Soda-Can-](http://www.amazon.com/4M-3647-Soda-Can-Robug/dp/B000RN6CDO/ref=sr_1_21?ie=UTF8&qid=1454023479&sr=8-21&keywords=robot+kits)

[Robug/dp/B000RN6CDO/ref=sr_1_21?ie=UTF8&qid=1454023479&sr=8-21&keywords=robot+kits](http://www.amazon.com/4M-3647-Soda-Can-Robug/dp/B000RN6CDO/ref=sr_1_21?ie=UTF8&qid=1454023479&sr=8-21&keywords=robot+kits)

Animation (Claymation, Flip Books, Stop Motion)

<http://www.abcya.com/animate.htm>

<http://amazing-kids.org/old/anilessons.html>

<http://familyinternet.about.com/od/projects/ss/stopmotion.htm>

http://www.ojolie.com/ecards_children.php

Arduino StarterKit

<https://www.arduino.cc/en/Main/ArduinoStarterKit>

Button Maker Machines and Supplies

<http://www.buttonmakers.net/>

Caine's Arcade 2: From a Movie to a Movement

[https://www.youtube.com/watch?v=U19c-](https://www.youtube.com/watch?v=U19c-4dX4Hk&ebc=ANyPxKodyRNNBmPUipO8m_Mb37K1c1NvxbwnG2hFkoWDN8FEY35sE1Isq9-6ntP5DfAnQINFFlob)

[4dX4Hk&ebc=ANyPxKodyRNNBmPUipO8m_Mb37K1c1NvxbwnG2hFkoWDN8FEY35sE1Isq9-6ntP5DfAnQINFFlob](https://www.youtube.com/watch?v=U19c-4dX4Hk&ebc=ANyPxKodyRNNBmPUipO8m_Mb37K1c1NvxbwnG2hFkoWDN8FEY35sE1Isq9-6ntP5DfAnQINFFlob)

<http://www.cardboardchallenge.com/>

Classroom Robotics

<http://classroomrobotics.blogspot.com/>

Coding and Programming

<https://studio.code.org>

<http://momypoppins.com/coding-kids-free-websites-teach-learn-programming>

<https://www.edsurge.com/research/guides/teaching-kids-to-code>

Crafts for Kids

<http://www.freekidscrafts.com>

<http://www.pbs.org/parents/crafts-for-kids/>

<http://familycrafts.about.com>

<http://www.crayola.com/crafts/>

<http://www.education.com/activity/arts-and-crafts/>

Daring Librarian

<http://www.thedaringlibrarian.com/2015/06/makerspace-starter-kit.html>

Digital Resources

<http://www.gcflearnfree.org/>

<https://www.digitallearn.org/>

DIY Projects

http://makezine.com/?utm_source=makerspace.com&utm_medium=brand+bar&utm_campaign=explore+all+of+make

Dollar Tree

<http://www.dollartree.com>

Donor's Choose

<http://www.donorschoose.org/>

Douglas County

<http://www.attheworks.org/files/documents/Elmers%20Bridges%20Teaching%20Guide.pdf>

<https://www.dcsdk12.org/learning-opportunities-abound-as-dcsd-libraries-transform>

Finch Robot

<http://www.finchrobot.com/>

Free Paper Airplane Templates

<http://www.2020site.org/templates/Free-Paper-Airplane-Templates.html>

Free Paper Toys

<http://www.ss42.com/pt-original.html>

Green Screen:

<http://www.instructables.com/id/100-Free-Easy-Greenscreen-Effects-for-MovieMake/>

How to Make a Green Screen: <http://www.mediacollege.com/video/special-effects/green-screen/>

Haiku: Poetry Learning Center

<http://printables.scholastic.com/shop/prcontent/Haiku-Poetry-Learning-Center/9780439929226-018>

Hummingbird Robotics Kit

<http://www.hummingbirdkit.com/>

Kibo Shopping

http://www.shop.kinderlabrobotics.com/KIBO-Sets_c7.htm

Knitting/Crochet/Quilting/

<http://www.favecrafts.com/Crochet-for-Kids>

http://www.ehow.com/how_2081716_teach-kids-crochet.html

<http://www.crochetforkids.com/homepage.html>

<http://knitting.about.com/od/knittingcommunity/a/teach-knitting-kids.htm>

<http://www.favecrafts.com/Knitting-for-Kids>

Lanyard Projects for Kids

<http://www.artistshelpingchildren.org/lanyardsartscraftsideaskids.html>

Legos

<https://education.lego.com/en-us/lesi?domainredir=www.legoeducation.us>

Little Bits

Ayah Bdeir: Building blocks that blink, beep and teach | TED Talk |

http://www.ted.com/talks/ayah_bdeir_building_blocks_that_blink_beep_and_teach?language=en

<http://littlebits.cc/>

Makezine

<http://makezine.com>

Maker Carts

<http://www.instructables.com/id/Maker-Cart/>

Makey Makey

<http://makeymakey.com/>

Movie Maker

<http://windows.microsoft.com/en-us/windows/movie-maker>

Music

<https://musiclab.chromeexperiments.com/Experiments>

Origami

<http://www.origami-instructions.com/>

Popsicle Sticks

<http://familycrafts.about.com/od/craftsticks/>

<http://www.artistshelpingchildren.org/popsiclesticksartscraftsideascraftstickskids.html>

Robot Kits

<http://www.robotshop.com/en/robot-kits.html>

Robotics Kits for Kids – Maker Shed

<http://www.makershed.com/collections/robot-kits>

Sewing Projects

<http://www.freekidscrafts.com/techniques/sewing-projects/>

<http://www.sewing.org/html/kids.php>

Sphero

<http://www.sphero.com/>

Terrapin Home Page

<https://www.terrapinlogo.com/>

Toothpick Bridges

Odyssey of the Mind:

<http://school.nettrekker.com/goExternal?np=/sections/external/web/external.ftl&pp=/sections/external/web/external.ftl&evlCode=274938&productName=school&al=Middle>

Toothpick Bridge Project: <http://www.instructables.com/id/Toothpick-Bridge-Project/>

<https://www.youtube.com/watch?v=DKgdUKhL5Cc>

<http://www.lessonplanet.com/search?keywords=toothpick+bridges>

<http://www.attheworks.org/files/documents/Elmers%20Bridges%20Teaching%20Guide.pdf>

TVOKids

<http://www.tvokids.com/thinkbig>

Wonder Workshop (Dot and Dash)

<http://www.tvokids.com/thinkbig>

YALSA Making in the Library Toolkit

<http://www.ala.org/yalsa/sites/ala.org.yalsa/files/content/MakingintheLibraryToolkit2014.pdf>

Yarn Projects for Kids

<http://www.artistshelpingchildren.org/yarnartscraftsideaskids.html>