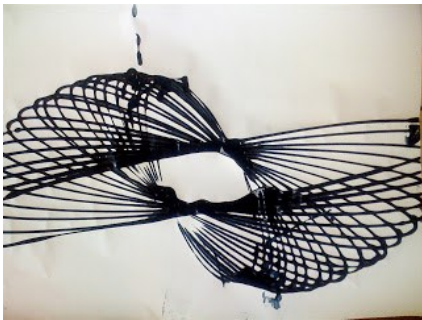


STEAM Library Programming

- . **S**cience
- . **T**echnology
- . **E**ngineering
- . **A**rt
- . **M**ath



Resources and Helpful Links

StarNET Libraries Community Science
Technology Activities and Resources for Libraries
<http://community.starnetlibraries.org/>

Idaho Commission For Libraries *STEM Resources*
<http://tinyurl.com/k6lssp6>

The Show Me Librarian *All Things STEAM*
<http://tinyurl.com/kkdtsg8>

NASA *Women of STEM & Education*
<http://www.nasa.gov/>

Explore *Explore Community Listserv*
<http://tinyurl.com/kqetazh>

STEAM Library Programming

Program Idea	Field	What you need	How it works	Price	Resources
Painting Pendulum	Art—Science	<ul style="list-style-type: none"> PVC pipe Newspaper/ Tarp String Tempera Paint Water Plastic Cup/ Funnel Paper/Canvas 	After filling your cup/funnel with 2 parts paint and 1 part water, carefully swing it over the paper to create stunning art	<ul style="list-style-type: none"> PVC Pipe*—\$10 You can also make stands using sticks Funnel—\$2 Paint—\$20 Tarp—\$12 \$50 more/less depending on what	<ul style="list-style-type: none"> tinyurl.com/kylo4vy tinyurl.com/kg5594b tinyurl.com/n5btr43 tinyurl.com/lw4puac
Stop Motion	Technology—Art	<ul style="list-style-type: none"> Clay/Play-Doh /Props Tripod Camera* (can use their smart phone) PC Computer Windows Movie Maker 	After creating your setting/characters, slowly move each prop and taking a picture (takes about 200 frames for short video). Upload photos on WMM and make a video	<ul style="list-style-type: none"> Clay/Play-Doh - \$30 Tripod* —\$20-30 \$50-60 more/less depending on what you already own *I did not use a tripod	<ul style="list-style-type: none"> tinyurl.com/qh6tzrb tinyurl.com/qyqg3wu
Coding	Technology	<ul style="list-style-type: none"> Internet Any PC patience :) Resources/ Lesson Plans 	Figure out what you want your patrons to learn— introduce them to coding programs and allow them to code	Free	<ul style="list-style-type: none"> code.org code.google.com madewithcode.com coderdojo.com railsforzombies.org w3schools.com/js/default.asp
Pop-Up Art	Math—Art—Engineering	<ul style="list-style-type: none"> Rulers Card Stock (colors!) X-Acto knife Scissors Glue Coloring 	Adjust the difficulty depending on the age. By cutting and bending paper, you can create simple and amazing pop up art	<ul style="list-style-type: none"> X-Acto knife—\$30 Card Stock—\$15 \$45 more/less depending on what you already own	<ul style="list-style-type: none"> tinyurl.com/ptossbl tinyurl.com/kmdb8l7