



A Year of Kids' STEM Workshops on a Budget!



*Emily Zorea
Youth Services Librarian
Brewer Public Library*





A thank you to our program's biggest supporters...

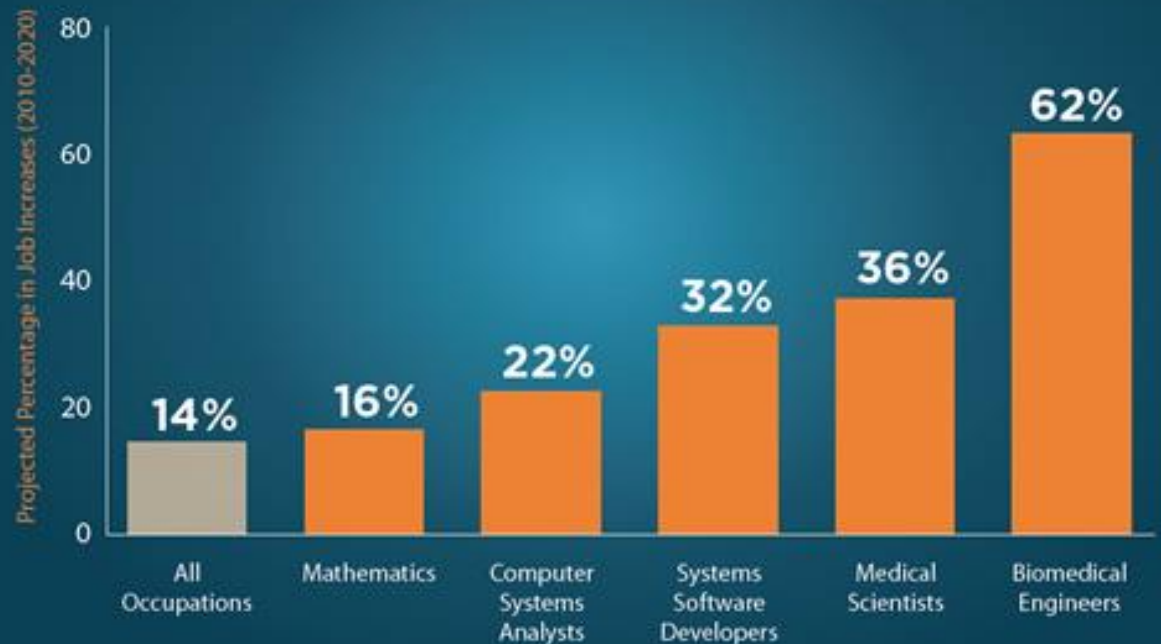
- Martha Bauer- Brewer Public Library Director
- Marge Loch-Wouters-SWLS Youth Services
Consultant
- Friends of Brewer Public Library
- Organizations who have awarded our
program grants.



STEM and Our Future



PROJECTED PERCENTAGE INCREASES IN STEM JOBS: 2010-2020





STEM as a Community Education





A Year of Kids' STEM Workshops



SOWING SEEDS LIBRARIAN

Providing Youth Access to Ideas through their Public Library

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Kids' STEM Workshop: Binary Code!

March 17, 2017 - [Leave a comment](#)



We live in a binary world. Our computers, music, books, magazines, almost every form of media is digital and it all runs on the binary code. But, it is surprising how little many of us understand about the code that influences so much of our lives. For Teen Tech Week in March 2017, I wanted to do a program for tweens on coding and showing them the binary system. But, is binary code easy enough for kids to understand and write? Can we do a coding program without a computer? As we found out, the answers are yes, and yes!

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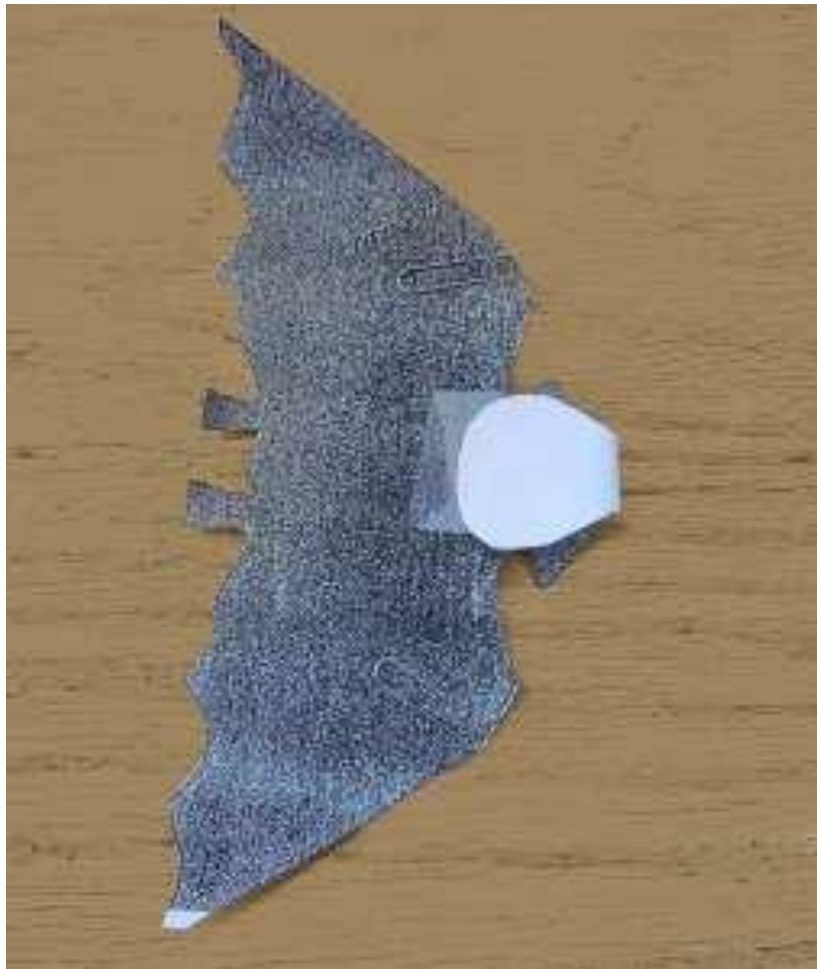


STEM

science • technology • engineering • math

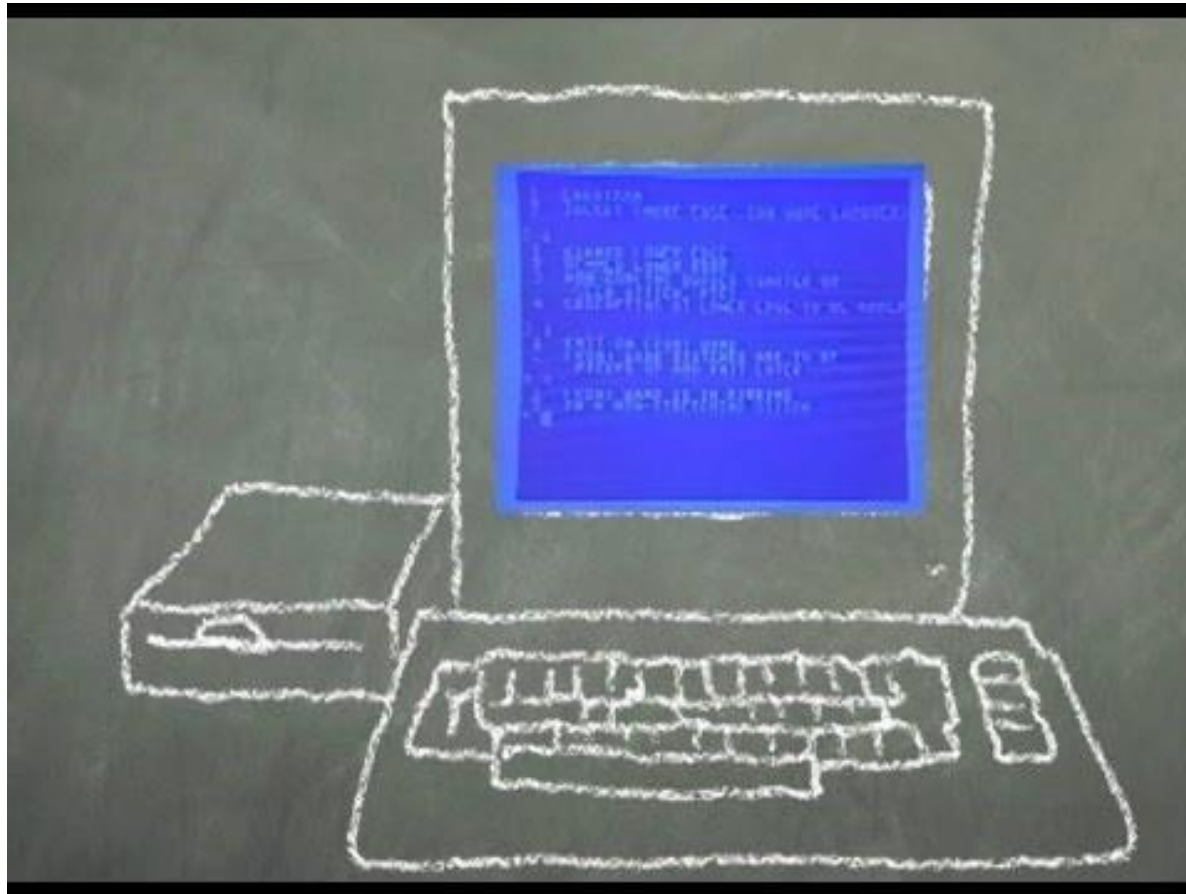


Bats in Flight



Binary Code





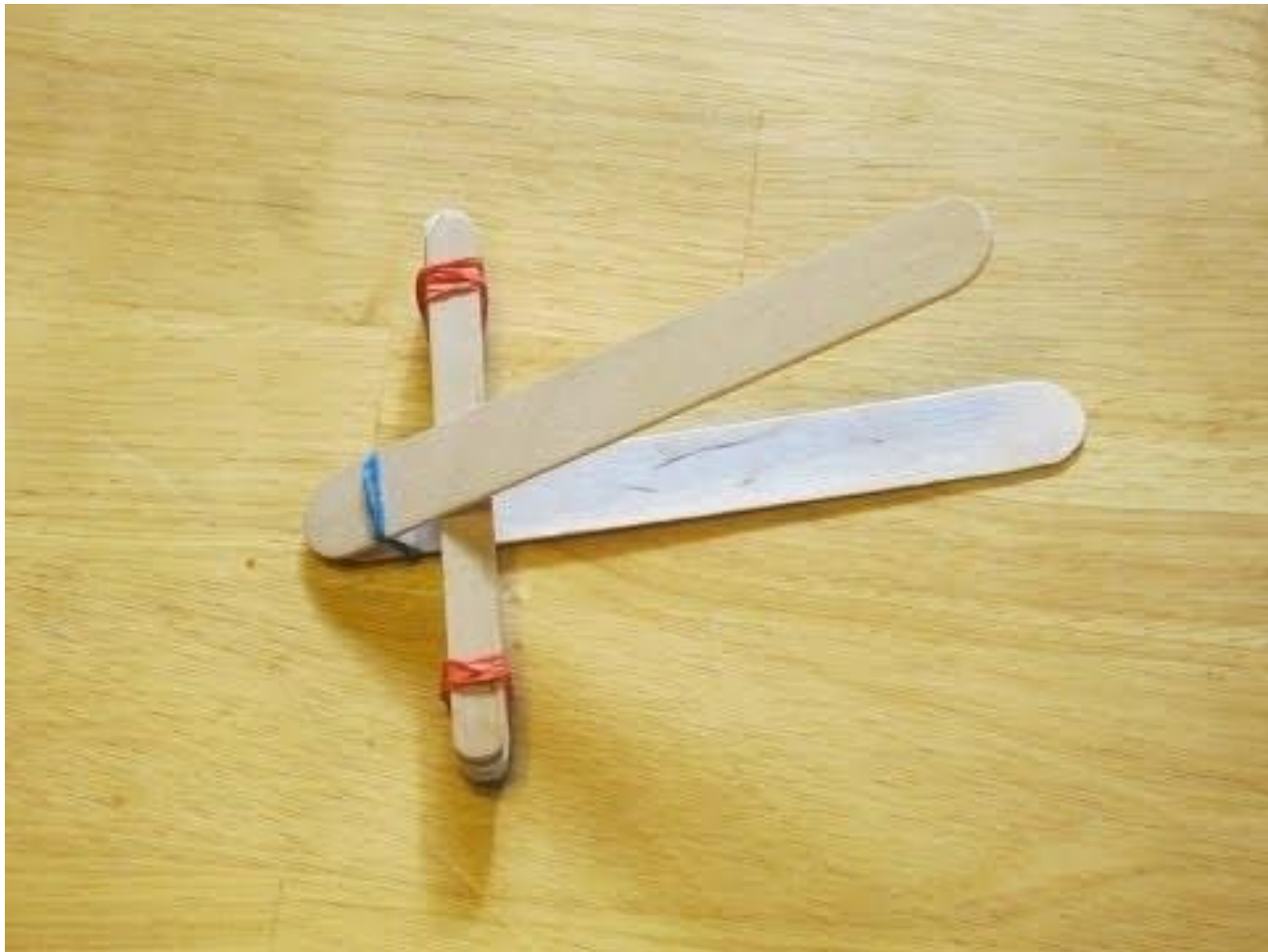
Float or Won't-Boat Building





Catapults





Marble Maze-Push and Pull Physics



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STEM Planning Resources

- StarNet-Science-Technology Resources for Libraries
- Show Me Librarian Blog
- Pinterest



Grants:





STEM in your Community

What do Kids' STEM Workshops look like in your community?

1. Plan and Schedule.
2. Identify supporters.
3. Identify needed resources.



Let's keep good ideas circulating!



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Thank you!