

STEAM in Youth Services!



Emily Zorea

Youth Services Librarian

Brewer Public Library

SowingSeedsLibrarian.com

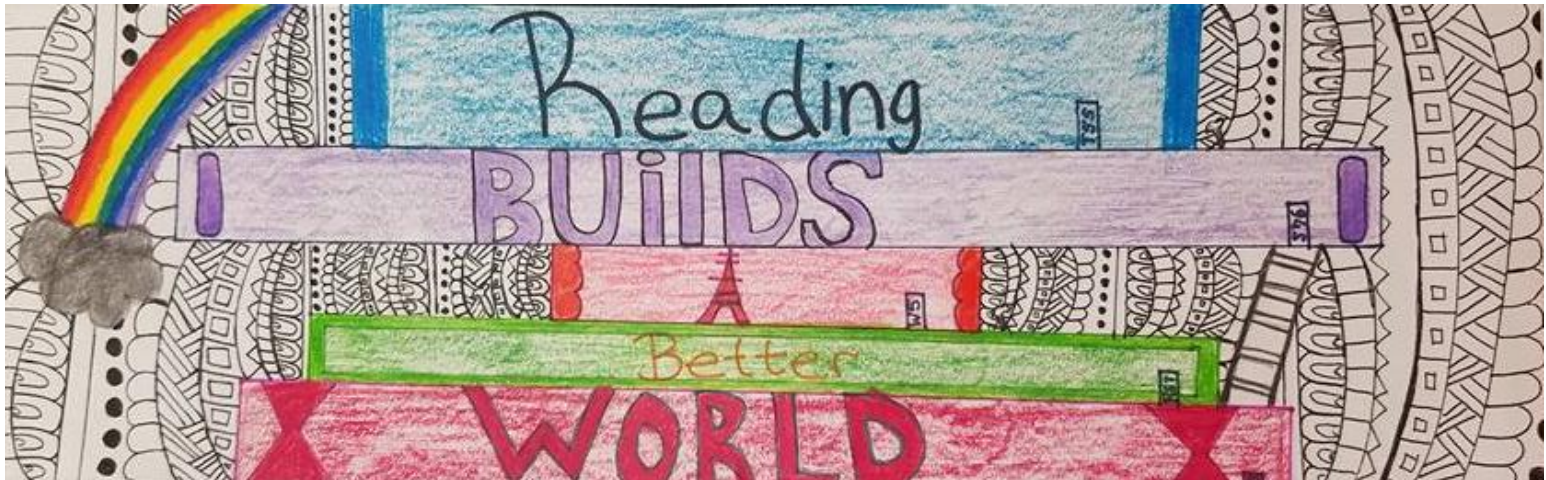


A. KEITH BREWER LIBRARY

THE STATE LIBRARY
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ALBANY BRANCH
100 STATE STREET
ALBANY, N.Y. 12202

Agenda for today ☺

- STEAM Family Programming
- Teen Specific Programs
- Community Grants
- *And if we have time...* a few more fun ideas!



Start with “Why?”



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!

[read more](#)



Search ...

Connect On Social Media



Bridge Engineering with Newspaper



Marble Drops



Geodesic Domes



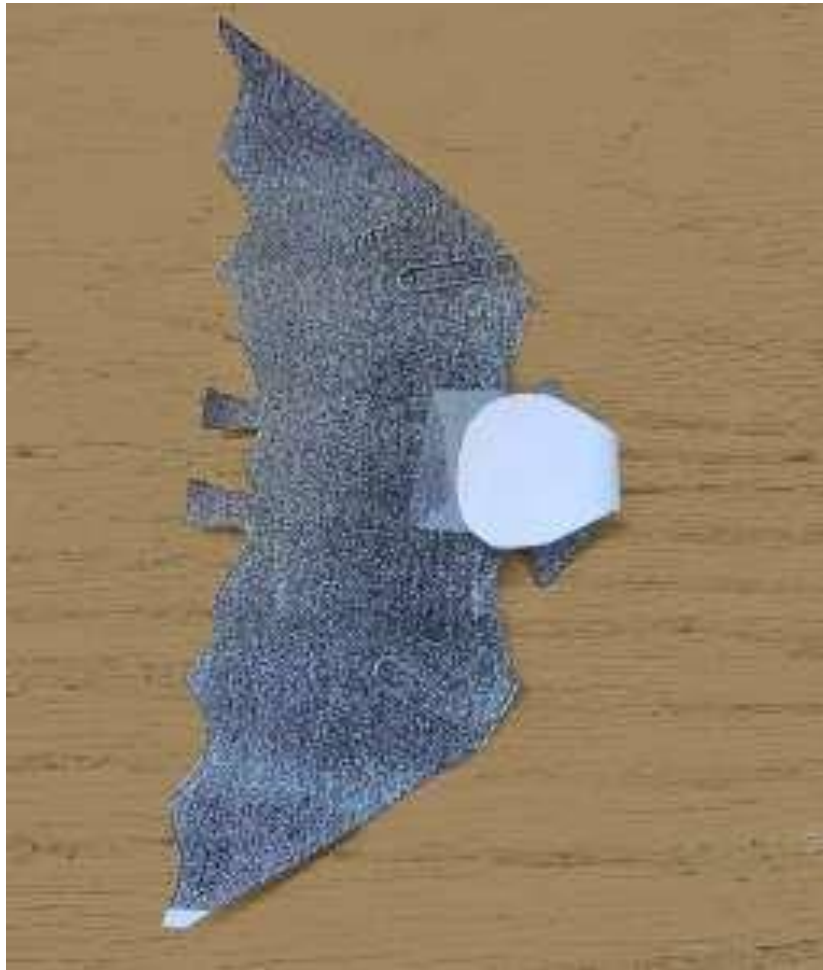
Valentine's Day STEM



Fall Lego Building Challenges



Bats in Flight



Binary Code



Float or Won't-Boat Building



Catapults



Marble Maze-Push and Pull Physics



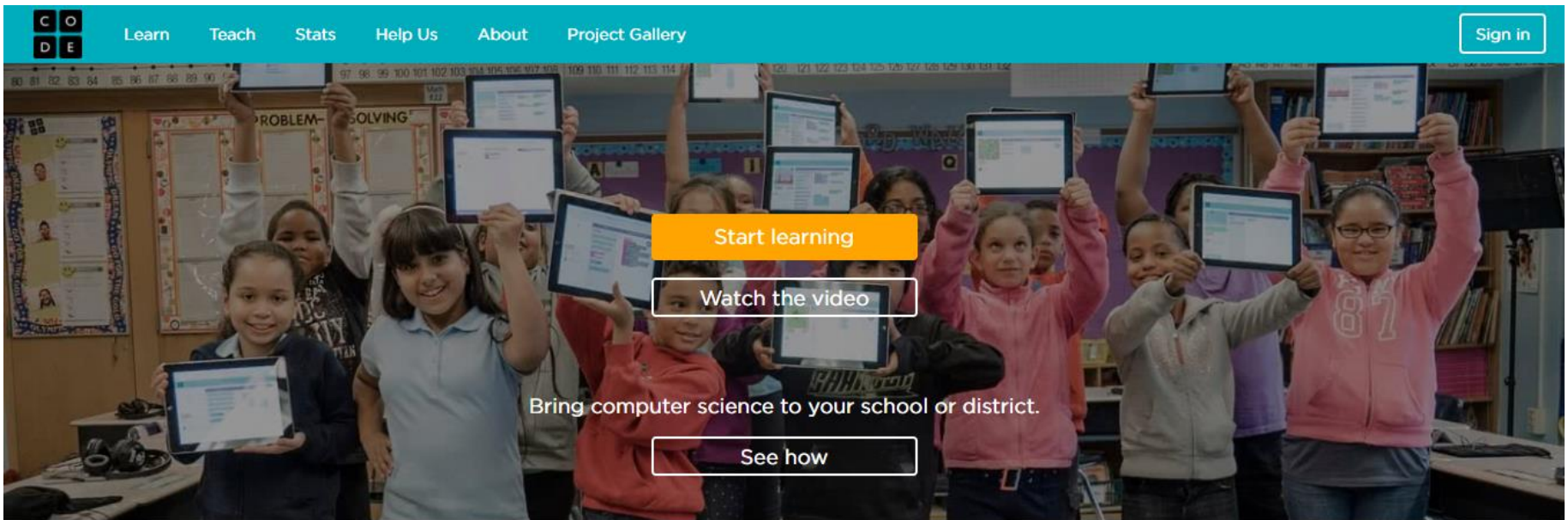
Marshmallow Igloos



littleBits



Coding with Code.org



WE'RE MAKING A DIFFERENCE

20%

of US students have accounts on
Code.org

9M

of our students are female

600K

teachers use Code.org

10%

of the world's students have
tried the Hour of Code

20

states changed policy to support
computer science

Teen Programming- (Volunteers!)



Pumpkins and Pizza!



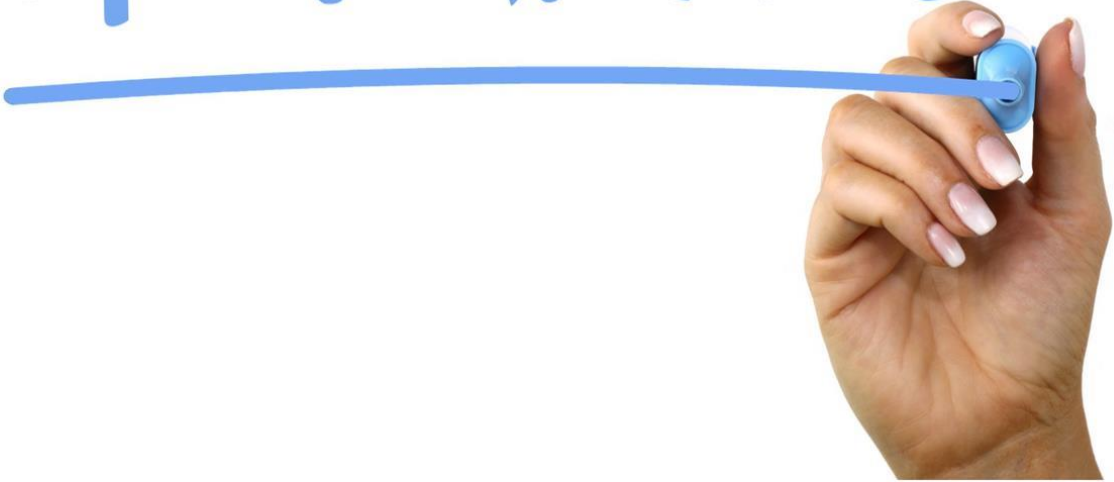
Cupcake Decorating!



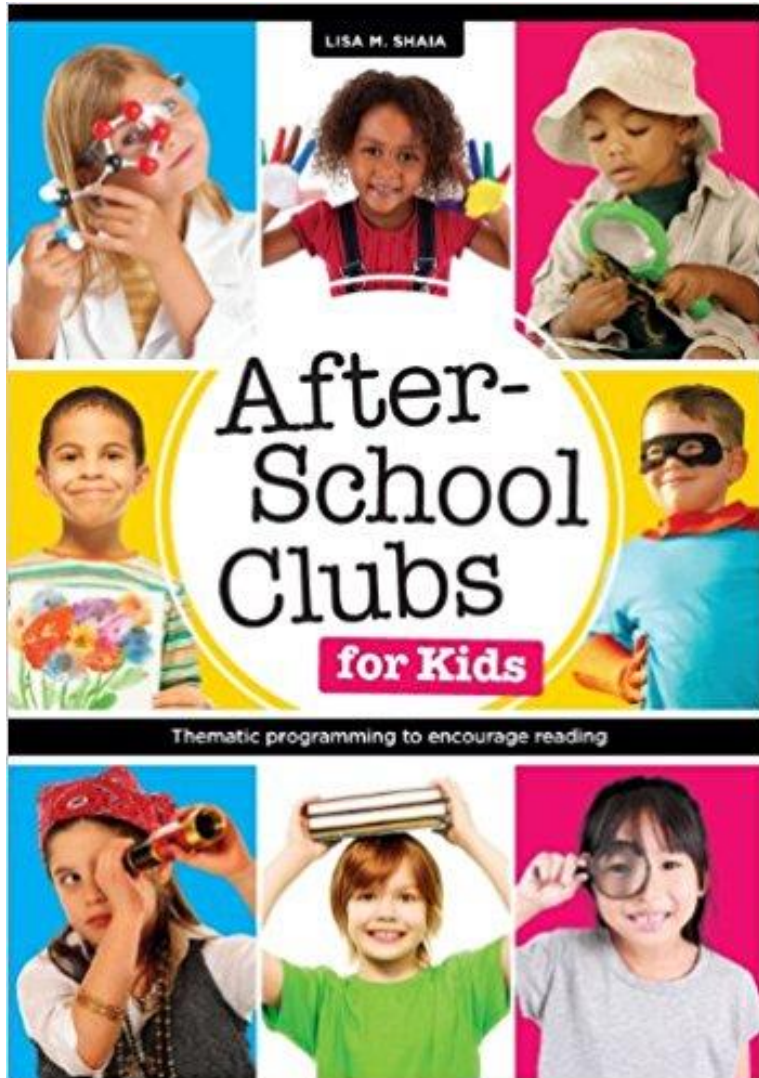


Grants and Funding:

GRANTS



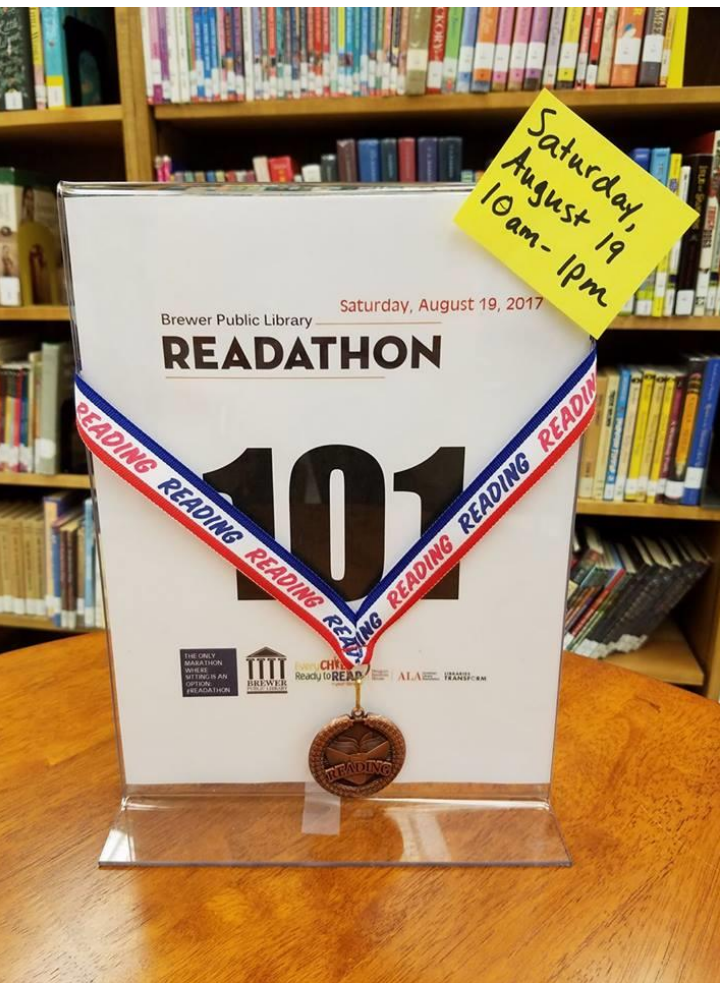
Milk and Cookies Book Club



LEGO Expo



Readathon



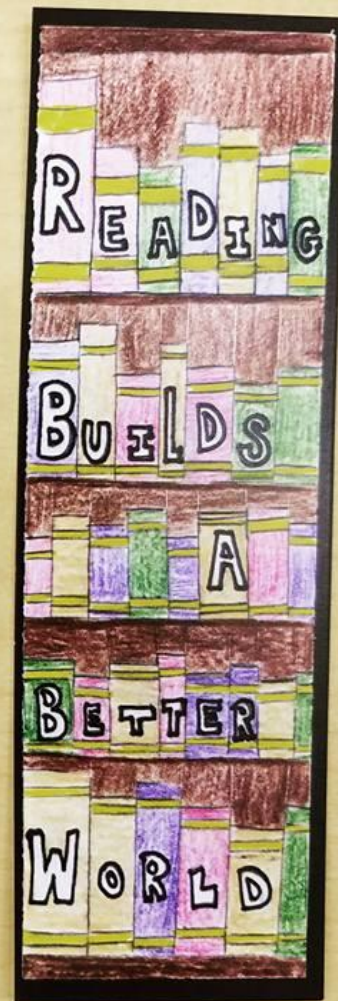
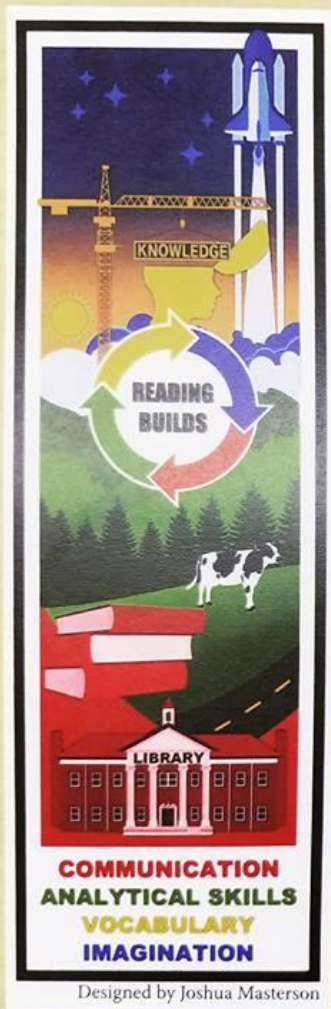
Life-Size Candyland

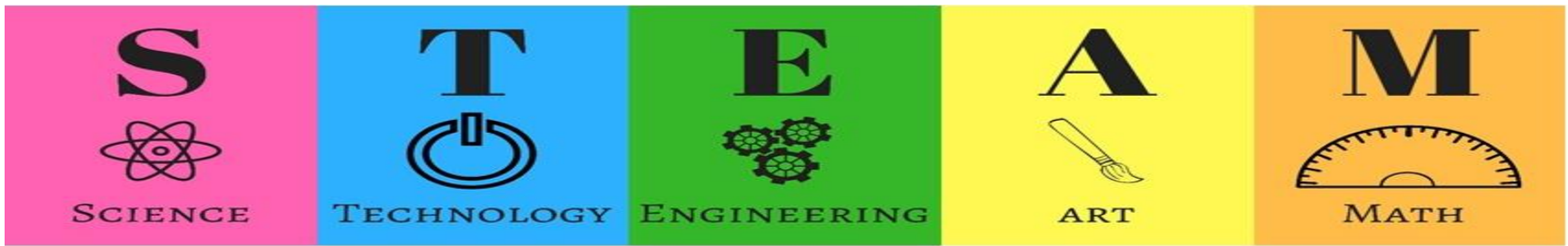


Rock Painting



Bookmarks





Let's keep good ideas circulating!



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