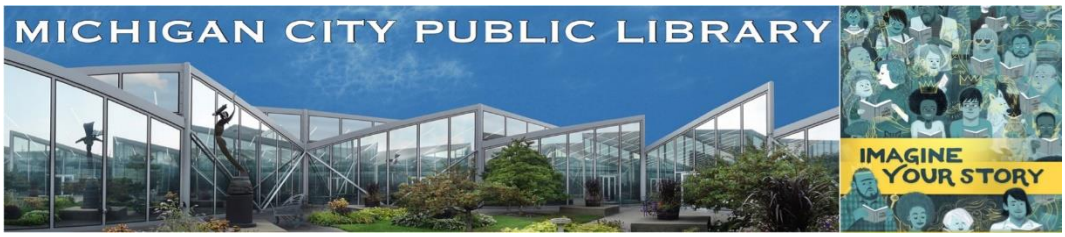

MCPL Summer Reading Program 2020

Week Three: June 29 – July 04

STEAM / Maker Booklist: Simple Machines

Books available at Michigan City Public Library:

Basic Machines by Kristina Holzweiss. (J-Nonfiction, 621.81 H749B)
"Learn how to complete DIY projects dealing with basic machines and robots. Along the way, get a look at some of history's most incredible inventions and scientific discoveries."

Simple Machine Experiments Using Seesaws, Wheels, Pulleys, and More: One Hour or Less Science Experiments by Robert Gardner. (J-Nonfiction, 621.8078 G176S)
"Each experiment in this book follows the scientific method, and can be completed in an hour or less. Readers explore using levers to control motion and lift, and how the steepness of inclined planes affects the force needed to move something."

Make This: Building, Thinking, and Tinkering Projects for the Amazing Maker in You by Ella Schwartz. (J-Nonfiction, 621.811 SCH95M) "Create your maker space with this fun and instructive book, chock-full of hands-on activities and cool experiments to get kids thinking and tinkering. This book is designed to inspire the next generation of engineers and supports all kinds of kid creators: those who prefer guided instruction, those who prefer to dream up and design objects on their own, and everyone in between."

Engineering Projects to Build on by Tammy Enz. (J-Nonfiction, 620.0078 EN97E)
"These projects will teach kids science and engineering basics, and then build on them. Learn what shapes are best for building, how they work together, and then and how to think creatively to take your projects to the next level. Bonus video tutorials and other content available on the free Capstone 4D app gives students an augmented reality experience that goes beyond the printed page."

Women in Engineering by Tammy Gagne. (J-Nonfiction, 620.0082 G122W)
"*Women in Engineering* looks at individuals who are making a major difference in this field. Compelling text, full-color photos, and helpful back matter highlight these women and their work."

STEAM Lab for Kids: 52 Creative Hands-on Projects Using Science, Technology, Engineering, Art, and Math by Liz Lee Heinecke. (J-Nonfiction, 507.8 H364S) "The creative projects in STEAM Lab for Kids are designed to demonstrate that there's math and science to be found in great art! From rubber bands to edible stained glass, young engineers and artists alike will find inspiration in these 52 art-forward labs."