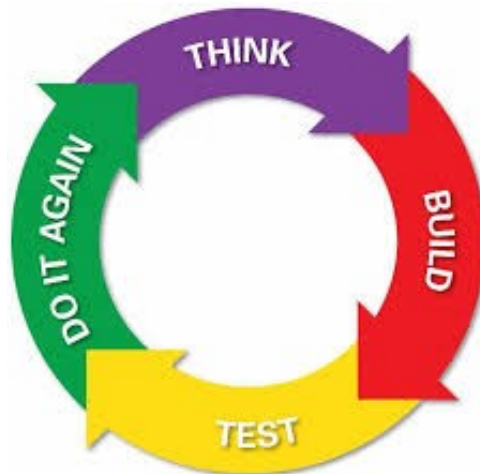**Irene Ingle Public Library**

Engineering Design Process

Think, Build, Test, Do It Again

That's the process engineers use when they tackle a problem. Engineers don't have official rules telling them to follow this set of steps. But, over time they've learned that **they get the best results this way.**

They **think** and brainstorm about a problem and factors they have to consider to solve it. They come up with an idea and **build** a prototype. They **test** the prototype. And, then they **repeat** the process to improve their results.

It Takes a Lot of Back and Forth

Engineers often **move back and forth within the loop**, repeating two steps over and over again before moving forward. It's a key to engineering success. Sometimes, engineers will focus on one specific step, and when complete, pass the project off to another team with a different skill set.

Engineers are creative problem solvers!

This kit was made possible by the
Friends of the Irene Ingle Public Library

STEM Kit 8

Money Skills

Scientific Concept: Mathematics

Recommended Ages: 5 to 12

Scientific Practice: Currency, addition, subtraction
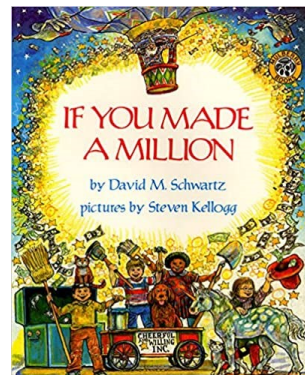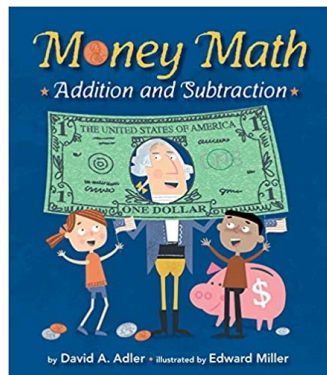
What to know about this kit:

Learn about currency, the values of bills and coins, and practice adding, subtracting, and making change with these books and activities. Put your skills to the test with the Money Bags board game that will encourage critical thinking.

Please note: This kit must be returned to a staff member at the Irene Ingle Public Library.

874-3535 / wrangell.com/library

Kit Contents & Replacement Costs

Item Type	Description	Cost
Object	Money Activity Set	$15
Object	Money Bags Game	$20
Book	*Money Math*	$18
Book	*If you Made a Million*	$18
Packaging & Processing Fee:		$25
Total Kit Replacement Cost:		**$96**

Please verify all parts are present before returning.