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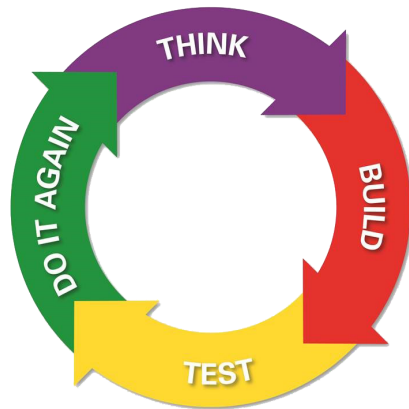


Engineering Design Process

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.

This kit generously sponsored by:



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Money Skills

Scientific Concept: Mathematics

Recommended Ages: 5 to 10

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 an Anchorage Public Library location.



Kit Contents & Replacement Costs		
Item Type	Description	Cost
Object	Learning Resources Money Bags Game	\$20
Objects	Learning Resources Money Activity Set	\$15
Book	<i>If You Made a Million</i>	\$8
Book	<i>Money Math</i>	\$10
Packaging & Processing Fee:		\$25
Total Kit Replacement Cost:		\$78



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