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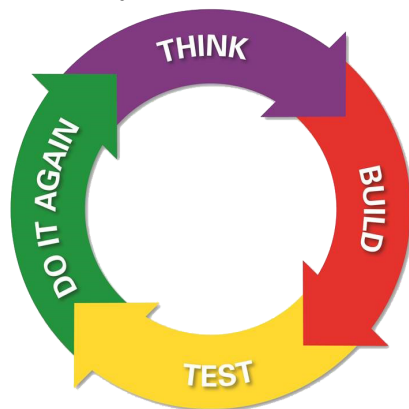


Engineering Design Process

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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J-KIT STEM

Math Games: Multiplication & Division

Scientific Concept: Mathematics

Recommended Ages: 8 to 12

Scientific Practice: Multiplication & Division

What to know about this kit:

Practice multiplication and division in this quick thinking math game. Your goal is to make math equations as quickly as possible connecting them in a crossword style grid.

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	MÖBI Tile Game	\$25
Book	<i>Multiplication</i>	\$15
Book	<i>Division</i>	\$10
Packaging & Processing Fee:		\$25
Total Kit Replacement Cost:		\$75



Please verify all parts are present before returning.