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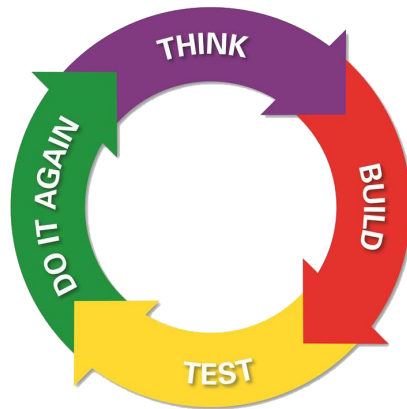
Straw Building

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 generously sponsored by:



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Scientific Concept: Structures, physics

Recommended Ages: 4 to 12

Scientific Practice: Engineering

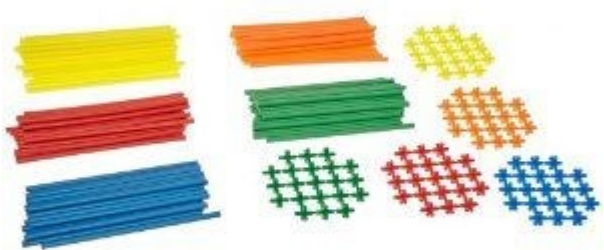
What to know about this kit:

Straws and connectors allow you to build structures from buildings to models of cars, rockets, and more. Use some of our instructions for projects, or find inspiration from famous buildings around the world in the included books.

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	Roylco Straws and Connectors Building Kit (Pack of 230)	\$20
Booklet	Straws & Connectors Inspiration & Instructions	n/a
Book	<i>The Science of Buildings</i>	\$10
Book	<i>The Story of Buildings</i>	\$20
Packaging & Processing Fee:		\$25
Total Kit Replacement Cost:		\$75



Please verify all parts are present before returning.