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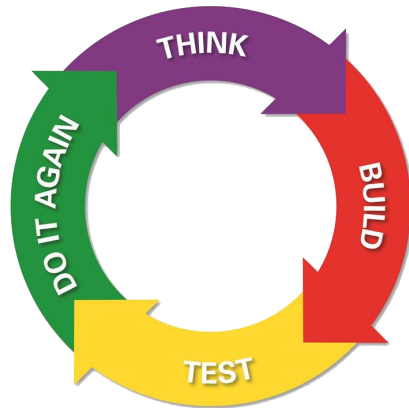


Engineering Design Process

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.

Engineers are creative problem solvers!

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Dino Robots

Scientific Concept: Physics, force

Recommended Ages: 8 to 12

Scientific Practice: Engineering

What to know about this kit:

This colorful dinosaur themed robotic kit lets you build up to 7 different robots that move thanks to the motor and rivet system.

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	Dino robot kit (see photo)	\$50
Leaflet	Dino robot instruction manual	N/A
Book	<i>DK findout! Robots</i>	\$11
Book	<i>Building Your Own Robots</i>	\$10
Packaging & Processing Fee:		\$25
Total Kit Replacement Cost:		\$96



Please verify all parts are present before returning.