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J-KIT STEM

Robotic Pets

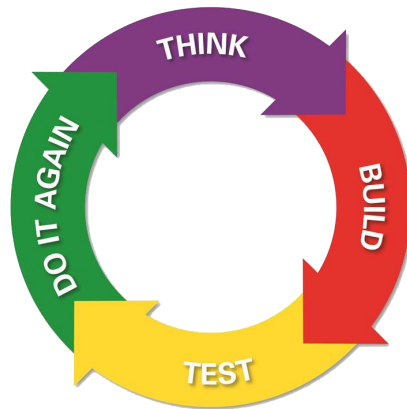
Engineering Design Process

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:



This material is based upon work supported by the National Science Foundation under Grant Number DRL-1657593. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the authors and do not necessarily reflect the views of the National Science Foundation.

Scientific Concept: Robotics

Recommended Ages: 6 to 12

Scientific Practice: Engineering

What to know about this kit:

Build 8 different robotic pets and then watch them move with this kit that will help teach robotic design.

*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	Robot Pet Shop Kit	\$27
Leaflet	Robot Pet Shop instruction manual	N/A
Book	<i>Awesome Robotics Projects for Kids</i>	\$13
Packaging & Processing Fee:		\$25
Total Kit Replacement Cost:		\$65



Please verify all parts are present before returning.
 Instruction manual has checklist on page 2.