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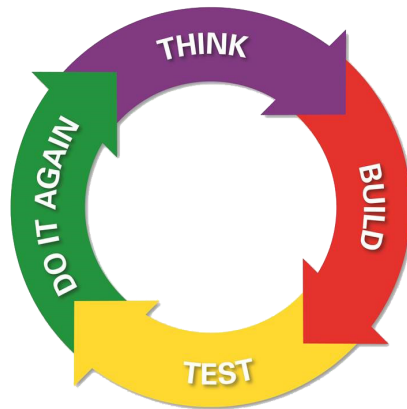
Engineering Design Process

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!

This kit generously sponsored by:



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J-KIT STEM

LEGO Braille

Scientific Concept: Neuroscience

Recommended Ages: 6 to 12

Scientific Practice: Encoding and Decoding

What to know about this kit:

This kit includes LEGO Braille, a Braille label maker, and resources about Braille: how people learn to read and how brains work.

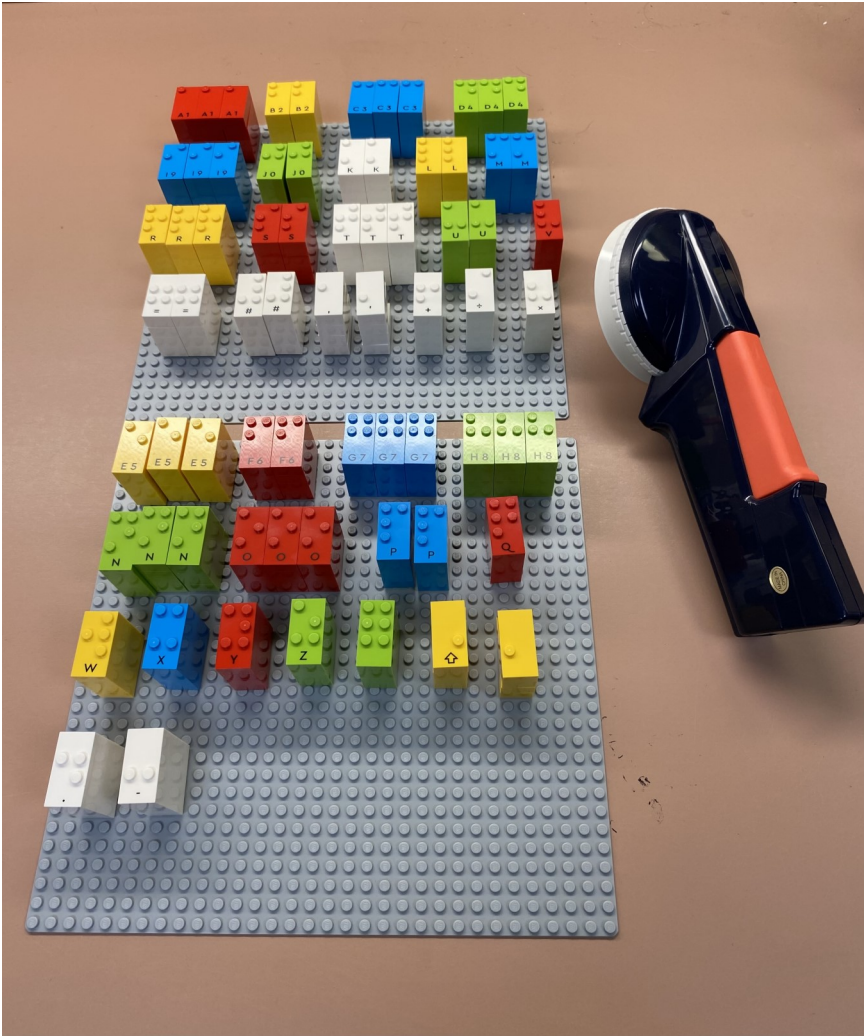
There are many ways to dive into this kit, but we recommend starting with the LEGO bricks and their suggested activities and going from there.

*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	LEGO Play with Braille (English Alphabet set #40656) 294 bricks + baseplate	\$90
Object	Braille label maker + roll label tape	\$35
Book	<i>Six Dots: A Story of Young Louis Braille</i>	\$10
Book	<i>Brain Lab for Kids</i>	\$10
Packaging & Processing Fee:		\$25
Total Kit Replacement Cost:		\$170



Please verify all parts are present before returning.