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J-KIT STEM

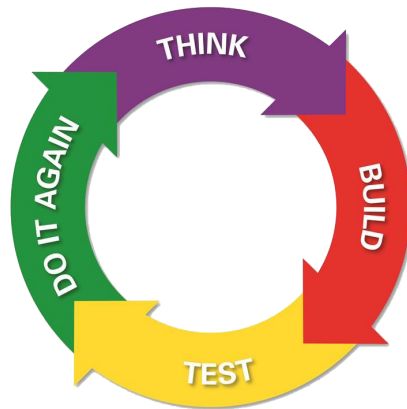
Geometry: 2D Shapes

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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Scientific Concept: Mathematics

Recommended Ages: 5 to 10

Scientific Practice: Geometrics, perimeter, area

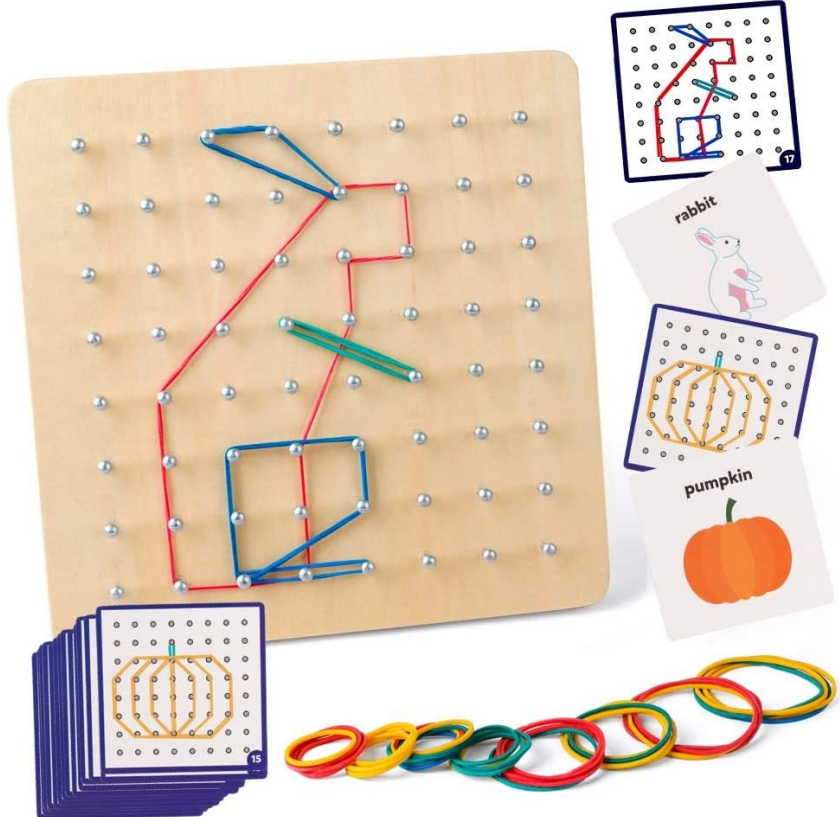
What to know about this kit:

Kids can practice fine motor skills while exploring concepts of geometry such as perimeter, area, polygons, and more.

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	Wooden geoboard with pattern cards and bands	\$21
Book	<i>Wing Wing Brothers Geometry Palooza!</i>	\$8
Book	<i>If You Were a Quadrilateral</i>	\$5
Packaging & Processing Fee:		\$25
Total Kit Replacement Cost:		\$59



Please verify all parts are present before returning.