## What is a STEM kit?

Our kits are designed to provide hands-on interaction and creative learning with STEM concepts while complementing Anchorage School District's science curriculum standards.

Two kits per household, please.

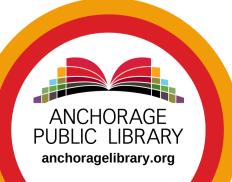
Kits circulate for **three weeks** and are eligible for renewals, as item demand allows. Items can be picked up from the Youth Services desk at Loussac Library or placed on hold for pick-up at any APL location. Please keep in mind, **kits must be returned to a desk inside an APL location.** 

The initial kits were made possible by a grant from the Space Science Institute. If you would like to sponsor a future kit topic, please contact the Youth Services Coordinator at (907) 343-2840 or APLYouth@muni.org.

Did you enjoy this kit? We'd love to see how you used it! Tag us on social media and let us know! **#APLStem** 

Facebook & Instagram: @anchoragelibrary







## **Juvenile STEM Kits**

Each kit focuses on a theme and contains:

- explorative item(s)
- non-fiction books



Help cultivate a love for science, technology, engineering, and mathematics at home—check out one of our STEM kits today!



<u>Theme</u>	Recommended Age	<u>Theme</u>	Recommended Age
Alaska Birds & Animals	5 to 12	GPS & Maps	8 to 12
Alaska Plants and Bugs	5 to 12	LEGO Braille	8 to 12
Anatomy	6 to 12	Magnetic Tiles	3 to 6
Animal Cell Biology	8 to 12	Magnets	4 to 8
Astronomy Binoculars	6 to 12	Marble Run	4 to 8
Astronomy Telescope	6 to 12	Math Games	8 to 12
Bridges	8 to 12	Math Games Addition & Subtraction	5 to 8
Catapults	8 to 12	Math Games Multiplication & Division	8 to 12
Chain Reactions	4 to 8	Math Manipulatives	6 to 10
Chicken Anatomy	8 to 12	Measurement	4 to 10
Circuits 1	8 to 12	Money Skills	5 to 10
Circuits 2	8 to 12	Plant Cell Biology	8 to 12
Circuits 3	8 to 12	Playground Engineering & Design	4 to 8
Coding for Preschoolers	3 to 6	Probability	6 to 12
Coding 1	4 to 7	Robotic Arms	8 to 12
Coding 2	5 to 10	Robotic Pets	6 to 12
Coding 3	8 to 12	Simple Machines for Early Elementary	5 to 8
Counting and Sorting	3 to 6	Simple Machines: Gears	8 to 12
Counting Cubes	4 to 7	Simple Machines: Levers & Pulleys	8 to 12
Dino Robot	8 to 12	Simple Machines: Wheels, Axles, and Inclined Planes	8 to 12
Dinosaur Anatomy: T-Rex	6 to 12	Snow Science	5 to 12
Earthquakes	5 to 12	Solar System	8 to 12
Electricity & Magnetism	8 to 12	Straw Building	4 to 12
Fossil Excavation	5 to 12	Structures	5 to 12
Gears	4 to 9	Tangrams	4 to 10
Gecko Robot	8 to 12	Telling Time	4 to 10
Geology Rocks	4 to 10	Tiger Anatomy	8 to 12
Geometry 2D Shapes	5 to 10	Wind & Water Energy	8 to 12
Geometry 3D Shapes	5 to 10	Wind Powered Generators	8 to 12