

# 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@anchorageak.gov](mailto:APLYouth@anchorageak.gov).

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!



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[anchoragelibrary.org](http://anchoragelibrary.org)



<u>Theme</u>	<u>Recommended Age</u>
Alaska Birds & Animals	5 to 12
Alaska Plants & Bugs	5 to 12
Anatomy	6 to 12
Animal Cell Biology	8 to 12
Astronomy Binoculars	6 to 12
Astronomy Telescope	6 to 12
Bridges	8 to 12
Catapults	8 to 12
Chain Reactions	4 to 8
Chicken Anatomy	8 to 12
Circuits: Maze	8 to 12
Circuits: Snap	8 to 12
Circuits: Squishy	8 to 12
Coding for Preschoolers	3 to 6
Coding: Botley	5 to 10
Coding: Mouse	4 to 7
Coding: Ozobots	8 to 12
Counting & Sorting	3 to 6
Counting Cubes	4 to 7
Dino Robot	8 to 12
Dinosaur Anatomy: T-Rex	6 to 12
Earthquakes	5 to 12
Electricity & Magnetism	8 to 12
Forces & Motion	4 to 8
Fossil Excavation	5 to 12
Gears	4 to 9
Gecko Robot	8 to 12
Geology Rocks	4 to 10
Geometry 2D Shapes	5 to 10
Geometry 3D Shapes	5 to 10
GPS & Maps	8 to 12

<u>Theme</u>	<u>Recommended Age</u>
LEGO Braille	8 to 12
Light Waves	6 to 9
Magnetic Tiles	3 to 6
Magnets	4 to 8
Marble Run	4 to 8
Math Games	8 to 12
Math Games: Addition & Subtraction	5 to 8
Math Games: Multiplication & Division	8 to 12
Math Manipulatives	6 to 10
Measurement	4 to 10
Money Skills	5 to 10
Plant Cell Biology	8 to 12
Playground Engineering & Design	4 to 8
Probability	6 to 12
Robotic Pets	6 to 12
Simple Machines: Early Elementary	5 to 8
Simple Machines: Gears	8 to 12
Simple Machines: Levers & Pulleys	8 to 12
Simple Machines: Wheels, Axles, & Inclined Planes	8 to 12
Snow Science	5 to 12
Solar System	8 to 12
Straw Building	4 to 12
Structures	5 to 12
Tangrams	4 to 10
Telling Time	4 to 10
Tiger Anatomy	8 to 12
Volcanoes	6 to 12
Wind & Water Energy	8 to 12
Wind Powered Generators	8 to 12