

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!



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| <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 Arms | 8 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 Energy | 8 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 |