Did you enjoy this kit? We’d love to see how you used it! Tag us on social media and let us know! #APLstem
Twitter: @anchlibrary
Facebook & Instagram: @anchoragelibrary

Scientific Method

Ask questions, test the answers, do it again.
That’s the process scientists use when they tackle a problem.

Observations lead to a question. Possible answers are called hypotheses. You can test these in many ways such as with an experiment, a mathematical analysis, creating a model, and more observation.

Next the scientists analyze their results to come to a conclusion that supports or rejects their hypothesis.

Sometimes this process leads to new observations which lead to new questions.

Experiments need to be repeatable by other teams to see if they get the same results. A hypothesis that repeatedly is validated (found to be true in testing) can become a scientific theory.

Scientists are always observing, questioning, and repeating experiments to keep learning!

Astronomy Telescope

Scientific Concept: Astronomy
Recommended Ages: 6 to 12
Scientific Practice: Observation, Inquiry

What to Know About This Kit

This kit has a telescope in a convenient backpack so it is easy to take anywhere you want to set it up for night sky viewing. We also include a red light flashlight so you can look at the star charts without ruining your night vision. The included star chart is specifically for Anchorage latitude!

This kit generously sponsored by:

This material is based upon work supported by the National Science Foundation under Grant Number DRL-1657593. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the authors and do not necessarily reflect the views of the National Science Foundation.

Please note: This kit must be returned to a staff member at an Anchorage Public Library location.
# Kit Contents & Replacement Costs

<table>
<thead>
<tr>
<th>Item Type</th>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Object</td>
<td>Celestron 70mm Travel Scope with backpack</td>
<td>$90</td>
</tr>
<tr>
<td>Leaflet</td>
<td>Celestron Travel Scope Instruction Manual</td>
<td>n/a</td>
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<tr>
<td>Object</td>
<td>Red Flashlight</td>
<td>$9</td>
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<tr>
<td>Object</td>
<td>The Night Sky, 50°-60° Star Finder</td>
<td>$12</td>
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<tr>
<td>Book</td>
<td>50 Things to See With a Telescope Kids</td>
<td>$17</td>
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<tr>
<td>Book</td>
<td>Astronomy Lab Kids</td>
<td>$15</td>
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<td></td>
<td>Packaging &amp; Processing Fee:</td>
<td>$25</td>
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<tr>
<td><strong>Total Kit Replacement Cost:</strong></td>
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<td><strong>$168</strong></td>
</tr>
</tbody>
</table>

## Telescope includes
- 20 mm eyepiece
- 10 mm eyepiece
- 45 degree erect image diagonal
- 5x24 finderscope
- Adjustable height tripod

**Please do not attempt to clean the lenses!**
Cleaning the lenses can inadvertently scratch them.
Notify library staff if they need cleaned.

**Please verify all parts are present before returning.**