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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!



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Alaska Birds & Animals

Scientific Concept: Wildlife Zoology

Recommended Ages: 5 to 12

Scientific Practice: Observation, Data recording

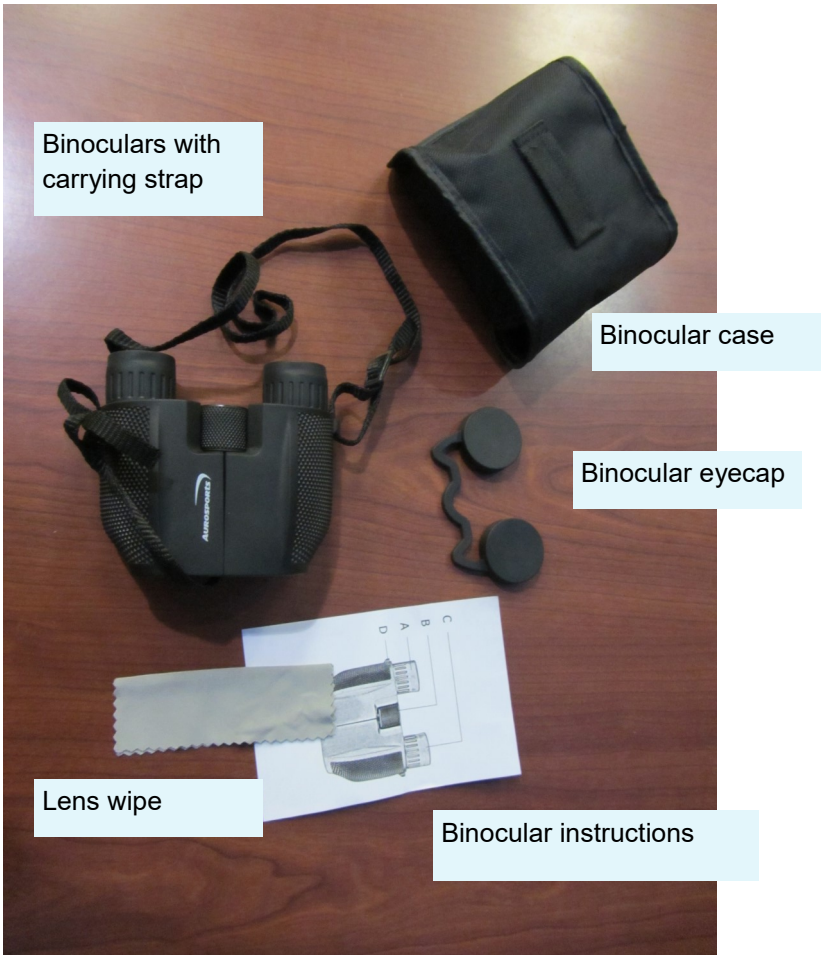
What to Know About This Kit

This kit is for you to observe birds and animals of Alaska. What can you see? What can you observe about how they look and their behavior? Record your observations on the tearaway paper pad and keep it. We also hope you will write about (and draw) some of what you observe in the community journal so we can see what all our library families find!

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	Binoculars (one pair)	\$33
Object	Binoculars (second pair)	\$33
Leaflet	<i>Alaska Birds: A Pocket Naturalist Guide</i>	\$8
Leaflet	<i>Alaska Wildlife: A Pocket Naturalist Guide</i>	\$8
Book	<i>Guide to the Birds of Alaska</i>	\$30
Packaging & Processing Fee:		\$25
Total Kit Replacement Cost:		\$137



Binoculars with carrying strap

Binocular case

Binocular eyecap

Lens wipe

Binocular instructions

Two of these parts: binoculars, carrying strap, case

One of these parts: lens wipe, binocular instructions

Please verify all parts are present before returning.