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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 model, and more observation.

Next the scientist **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!



Microscope

Scientific Concept:	Biology, Engineering
Recommended Ages:	8 and up
Scientific Practice:	Observation, Analysis

ABOUT THIS KIT

Amp up the fun of scientific discovery with this microscope kit designed to introduce kids to the unseen worlds around them and give myriad opportunities to hone their lab skills.

Please note: this kit must be returned to a staff member at the Kenai Community Library Location.



Kit Contents & Replacement Costs

Item Type	Description	Cost
Object	48 prepared microscope slides set of animals and plants	\$15
Object	IQCrew 120X-1200X kids beginner microscope STEM kit (includes 1 microscope, 20X eyepiece, 5 prepared glass slides and 7 blank glass slides, 14 slide covers, petri dish, replacement light bulb, tweezers, scalpel, probing needle, 1 stirring rod, sea salt, 1 collecting vial, graduated cylinder, user guide, gray plastic carrying case.	\$55
Object	Carson MicroBrite 20x-40x LED Lighted Pocket Microscope for Learning, Education and Exploring (MM-24, MM-24MU), Green	\$15
Book	All in a drop of blood by Lori Alexander	\$18
Book	Germs up close by Sara Levine	\$15
Packaging & Processing Fee:		\$25
Total Kit Replacement Cost:		\$143



Please verify all parts are present before returning.

