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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 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!



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Paleontology

Scientific Concept: Dinosaur anatomy, fossils

Recommended Ages: 5 to 10

Scientific Practice: Observation, Analysis

ABOUT THIS KIT

This kit includes a variety of resources to help children better understand dinosaurs as well as paleontology. Included in this kit are augmented reality flashcards for you to see and study virtual 3D models of several dinosaurs (a mobile device/app is needed). It also includes a miniature Tyrannosaurs Rex skull, a dinosaur anatomy puzzle, and books to better familiarize yourself with this fascinating profession.

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	Learning Resource T-Rex Dinosaur Floor Puzzle (20 piece)	\$26
Object	Tyrannosaurus Rex skull	\$30
Object	Brain Stem Augmented Reality Dinosaur Cards	\$16
Book	You can be a Paleontologist!: Dis- covering Dinosaurs with Dr. Scott	\$17
Book	Paleontology: The Study of Prehistoric Life	\$7
Packaging & Processing Fee:		\$25
Total Kit Replacement Cost:		\$121



Please verify all parts are
present before returning.

