Fourth Grade

Learning About Science

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In 3rd grade you learned about: Moon and Earth Forces Living and Non-Living Things Heat and Light Gravity

What do you remember?

Fourth Grade

This year in 4th grade you will learn about:

Water Cycle Weather Rocks, Weathering, and Soil Fossils Utah Environments

What is Science?



Science is the study of the natural world.









Scientists do many things

- Observe
- Test or experiment
- Classify
- Make Conclusions
- Share their ideas

Scientists observe the natural world.



What do you see in this picture?

What do you observe about the rabbit?



What questions might you ask about the rabbit?



In science, we test our questions.

• What do rabbits eat?



How could you find out?







Scientists measure the natural world.



Scientists classify the natural world.

Living Things

Non-Living Things





Let's Have Some Fun Experimenting with Rocks



- Look at the rocks that are in front of you.
- What are some questions you have about these rocks?

Observation Rocks are Fun to Observe

- What things (characteristics) do you see that makes these rocks alike?
- What things (characteristics) do you see that make these rocks different?

Classification

Rocks can be classified and put in different groups.

- Pick one of these features that we talked about and sort these rocks according to this feature.
- Pick another feature and sort these rocks according to that feature.
- Did you see any of the same rocks that were together in the previous piles?

Testing and Experimenting

Rocks can be tested for hardness and softness.

- Scrape each of your rocks three times with the washer.
- Do this on different places of your paper.
- Look to see how much rock dust (sediments) came off each rock.
- Put each rock by its sediment pile.

Making Conclusions

Once you have completed your test you can come up with conclusions.

- How do you know which rocks are soft?
- How do you know which rocks are hard?

Sharing Ideas

Once you have come up with your conclusions, you can share your ideas.

- What do you think makes rocks hard and soft?
- Why do you think that rocks shine?
- Why do you think rocks sparkle?
- Why do you think rocks are rough?
- Why do you think rocks are smooth?