

Third Grade

Learning About
Science

Third Grade

Last year in 2nd Grade

You learned about:

Characteristics of Rock and How Rocks Break

Appearances and Motion of the Moon

Patterns we see in the Seasons

Falling Objects and Physical Changes

Animal Survival, Basic Needs of Living Things,

and Their Ability to Change

What do you remember?

Third Grade

This year in 3rd Grade
you will learn about:

Moon and Earth

Forces

Living and Non-Living Things

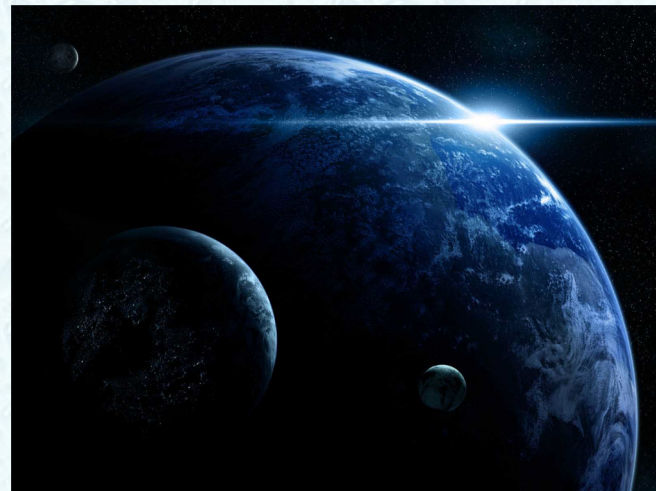
Heat and Light

Gravity

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 Living and Non-living



- Look at these things that are in front of you.
- Which is living?
- Which is non-living?
- How can you tell?

Observation

Let's look at some objects.

- Look at these two objects.
- Put the object that is living on the right side of your desk.
- Put the object that is non-living on the left side of your desk.

Observations

- Take the flower apart.
 - Describe what you feel.
- Break the rock apart.
 - Describe what you feel.
- Do they both feel the same?
- Why or why not?
- What are some differences you feel and see between the rock and the flower?

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Observations

- Take the flower apart more.
 - Name some things that the flower has that the rocks don't have.

Observations

- Take the flower apart more.
 - Name some things that the flower has that the rocks don't have.
 - Plants have water inside.
 - Plants have seeds.
 - Plants have stems.
 - Plants grow leaves from the stem.
 - Plants grow flowers from the stem.

Past Knowledge of Plants

- Tell some things you already might already know about plants.

Past Knowledge of Plants

- Tell some things you already might already know about plants.
 - Plants have roots.
 - Plants grow from seeds.
 - Plants move upward and toward the sun.
 - Plant get nourishment through their roots.
 - Plants can make their own food.

Conclusions

Now that you have made some observations about plants, what can living things do that non-living things can't do?

Conclusions

Now that you have made some observations about plants, what can living things do that non-living things can't do?

- Living things are able to move.
- Living things are able to grow.
- Living things need food, water, and air.
- Living things can reproduce.
- Living things need a place to live.
- Living things need sunshine.

Sharing Ideas

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

- Why is food and water important to living things?
- Why do living things need a good place to live?
- What are different ways living things get nourishment?
- What are different ways living things move?
- Why is it important that living things make seeds?
- Why are living things important to each other?