

Read About Science

DEFINITION OF SCIENCE

Science is using evidence to learn about the world around us. Scientists do experiments and use their senses to collect evidence.

To better understand how science works...

LET'S BREAK IT DOWN!

Scientists use their senses to learn about the world.

Scientists can learn a lot just by listening. By listening to wolves howl, scientists can learn how many wolves there are, or even where they are located.



Scientists can use their sense of touch and smell.

To learn about a shark's skin, scientists can feel the shark's skin. Even though the shark's skin looks smooth, by touching it scientists learned that their skin is rough.

Scientists conduct a lot of experiments to learn about the world.

Scientists collect evidence by doing experiments. In an experiment, scientists only change one thing at a time to be sure they know what caused the change they observed.



Some scientists discover new things to make our world better.

Thomas Edison was a scientist. He invented the light bulb. Thomas Edison experimented for many years before he successfully made the first light bulb.



Even kids can collect evidence and be scientists.

Did you know that a kid discovered a mastodon tooth that led to the discovery of more fossils? Kids can learn about the world by making observations and by doing experiments too.



SCIENCE VOCABULARY

Science

Using evidence to understand the world around us.

Evidence

A clue that something is true.

Experiment

A test in which you collect evidence to answer a question.

Observations

To use our senses to learn about something.

Fair test

When you conduct an experiment and only change one thing at a time.

Senses

Senses are how we learn about the world around us. We have five senses that include seeing, hearing, smelling, tasting and touching.

SCIENCE DISCUSSION QUESTIONS

How is a scientist like a detective?

Like detectives, scientists look for clues to help answer questions.

What information can scientists get from listening to wolves howling?

By listening to wolves howl, scientists can learn how many wolves there are or where they live.

How can scientists learn about the skin of a shark?

Scientists can touch a shark's skin to learn if the skin is rough or smooth.

What is a fair test?

A fair test is when you do an experiment and only change one thing at a time. If you change more than one thing you will not know what caused the observations in your experiment.

If you could be any kind of scientist, which one would you be?

There are many different types of scientists. You might like to be a paleontologist who studies dinosaur bones. Or you might want to be a marine biologist who studies sea creatures. A chemist studies chemicals and all the neat things they can do.
