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Weather Whys

Second Edition

Questions,
Facts, and
Riddles
About Weather

By Mike Artell

♥ GOOD YEAR BOOKS

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his book is filled with information about weather, information that is based on the things children want to know and which anticipates the "why" questions children ask every day. But this book is not just a collection of facts and figures about weather. Each page also contains hilarious cartoons, ridiculous riddles, and easy-to-do activities which help bring the material to life in a way that children find interesting, exciting, and fun.

If you know a child who is curious about clouds, snow, tornadoes, thunderstorms or any weather phenomenon, this book can be a wonderful companion. And you'll enjoy it, too!

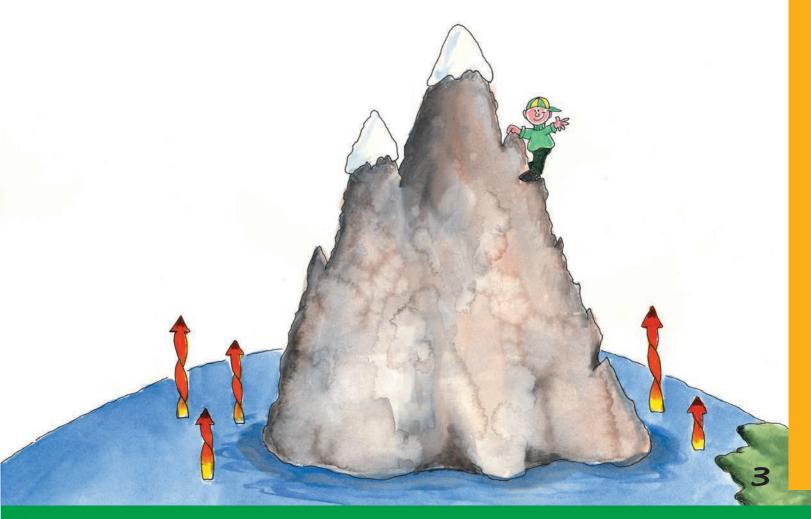


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Why do we need to know about the weather?

Look around. Weather is everywhere! Weather is what we call a lot of different things that make up what it's like outside.



When we say the weather is "bad," we might mean it's freezing cold with sleet falling.

Or we might mean that it is raining hard and the wind is really blowing.

When we say the weather is "good," we might mean that the sky is clear and the sun is shining. Or we might mean that it's nice and cool with just a little breeze blowing.

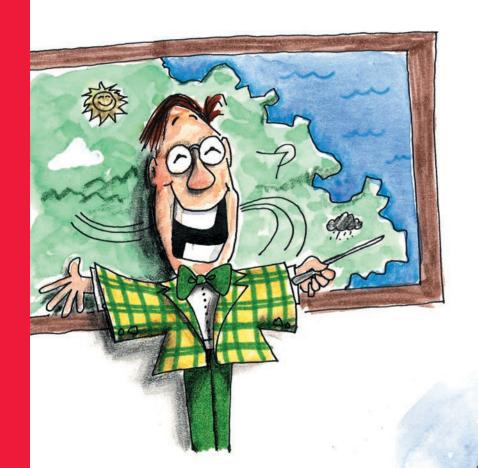


Actually, the weather itself isn't good or bad. It just depends what kind of weather you like. We enjoy being out in "good" weather. We stay inside when the weather is "bad."

Weather has a lot to do with the way we dress, the food we grow, where we live, and how we travel. All these things depend in some way on what is going on in the air around us, and that's what weather is all about. Because weather plays such an important part in our lives, it's a good idea to understand a little about how the weather works. A good place to learn about weather is during the weather report on TV news each night. Often, the man or woman who talks about the weather is a meteorologist.

EOROLOG/5,
A meteorel a man or woman who is trained to understand and predict the weather. Because weather changes so fast, meteorologists sometimes make mistakes, but most of the time they are very accurate.

More about weather



When you watch the weather report on TV, you'll learn how hot or cold it was today, how much rain fell, and what the weather is probably going to be like tomorrow.

You'll also see pictures taken by satellites high above the earth showing clouds moving across the land and water.



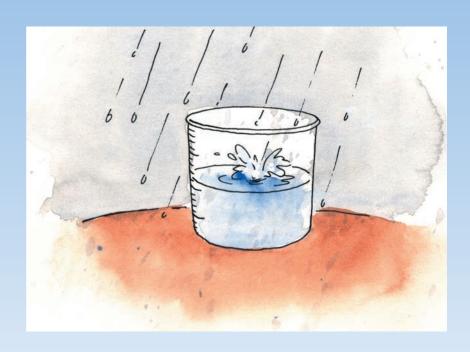
STUFF YOU CAN DON'T

You can **learn about**weather by reading
books in the library
and by trying some
of your own weather
experiments.

You can place a thermometer in a shady spot and write down the temperature every day at certain times.

You might even want to **make your** own weather vane to show the direction the wind is blowing.

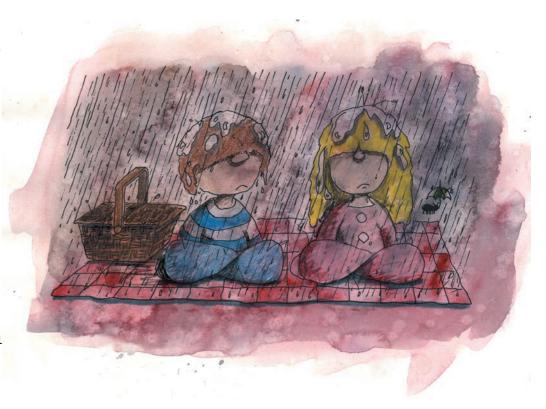
You can **catch rain water** in a cup and measure how much rain fell in a day or a week.



There's another place you can go to learn about the weather. You can ask an adult you know. Farmers, construction workers, fishermen, pilots, and truck drivers all watch the weather very carefully. In fact, anyone who works outside or travels a lot is very interested in what the weather is going to be. You can ask them why the weather is important to them. They'll probably have lots of interesting stories to tell you about the weather.

Why do we care what the weather is going to be?

Knowing what the weather is going to be makes it easier to plan outdoor activities. For example, if there is a good chance that it is going to rain, you won't want to plan a picnic.





I once knew a cow I called Heather who didn't know much about weather.

Once out in the rain,
she felt a strange pain,
when she found out that water
shrinks leather.

More about weather forecasting

METEOROLOGIST'S TOOLS

THERMOMETERS

measure temperature



BAROMETERS

measure air pressure



ANEMOMETERS

measure wind speed



WEATHER VANES

find the wind direction



Meterologists also use pictures from **RADAR** and **SATELLITES** to see how the weather is changing.

People called meteorologists have many ways of figuring out what the weather will be like. This is called forecasting.

You don't have to be a meteorologist to predict all weather changes. Sometimes you can see a change coming if you look at the sky. Clouds that are loose and puffy usually mean that the weather will be good. But when the puffy clouds start piling up higher and higher and getting dark, it usually means stormy weather is on the way.