

A vibrant green background features a large yellow sun with a smiling face and black eyes at the top left. To its right is a white snowman with a pink smile and a blue scarf. A rainbow arches from the middle right towards the bottom center. In the bottom left, a boy with dark skin, black hair, and orange-rimmed glasses wears a yellow raincoat and holds a magnifying glass over his head. In the bottom right, a girl with dark skin, curly hair, and a purple polka-dot shirt wears orange pants and has her hands raised in excitement. Raindrops are scattered throughout the scene.

A First
Weather Book
for Kids

All About Weather

Huda Harajli, MA

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Illustrations by Jane Sanders

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To Hassan & Emily





What is
weather?

Step outside! What does the sky look like?
What does the air feel like?



The sky
is blue!

The air
feels warm!

That's the
weather!



Weather changes all the time. It helps you decide how to spend the day.

Weather also changes throughout the year. These changes are called seasons. Many places on Earth have four seasons.



Spring weather
is warm and rainy.
It's when flowers start
to bloom.

Summer weather
is hot and sunny.



The air becomes
cooler during fall
and leaves
change color.



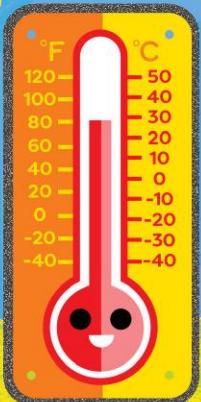
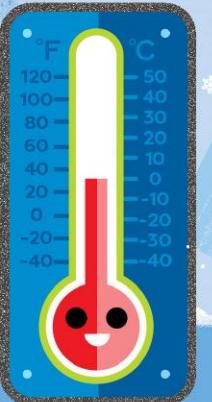
Winter brings cold air and
sometimes snow.



Near the middle of the Earth there are only two seasons: rainy and dry.

How many seasons happen where you live?

Thermometers tell us how hot or cold the air is. Higher numbers are hotter. Lower numbers are colder.



Rain freezes and turns into snow at 32° Fahrenheit (0° Celsius).



Is the sun
shining today?
Put on your
coolest shades!



What is the sun?



The sun causes the weather on Earth.
It provides light and warmth.



The sun is
actually a
star. It's
more than
4.5 billion
years old!

The sun can make the air outside feel hot.
Enjoy a sunny day by playing outside.



You can ride your bike in the park or cool down at the beach.





Is it windy?
Quick! Catch your hat
before it flies away!

What is wind?

It is windy when the air around us moves.
We can't see wind, but we can feel it.



Enjoy a windy day by flying a kite
or blowing bubbles.



Windmills
turn wind into
electricity.

Are there fluffy shapes floating in the sky?
It must be cloudy!



Cumulus clouds



Stratus clouds



Cirrus clouds



Nimbus clouds

What are clouds?



Warmth from the sun causes tiny water droplets to rise up into the sky. Those tiny droplets stick together and make clouds.





Enjoy a cloudy day by lying
in the grass and watching
the clouds change shape.



Clouds might look
light and fluffy,
but they're very heavy.
One cloud can weigh more
than one million pounds!
That's the same as 100
elephants!

What shapes
can you see?
Name some.



Enjoy a rainy day
by reading a book
near a window.



Listen to the
raindrops!



Is it snowy?
Lace up those boots!



What is snow?



When rain freezes, it's called snow.
Snow is icy and wet.



Snowflakes are
different shapes,
but they all have
six sides.

Enjoy a snowy day by
making snow angels.



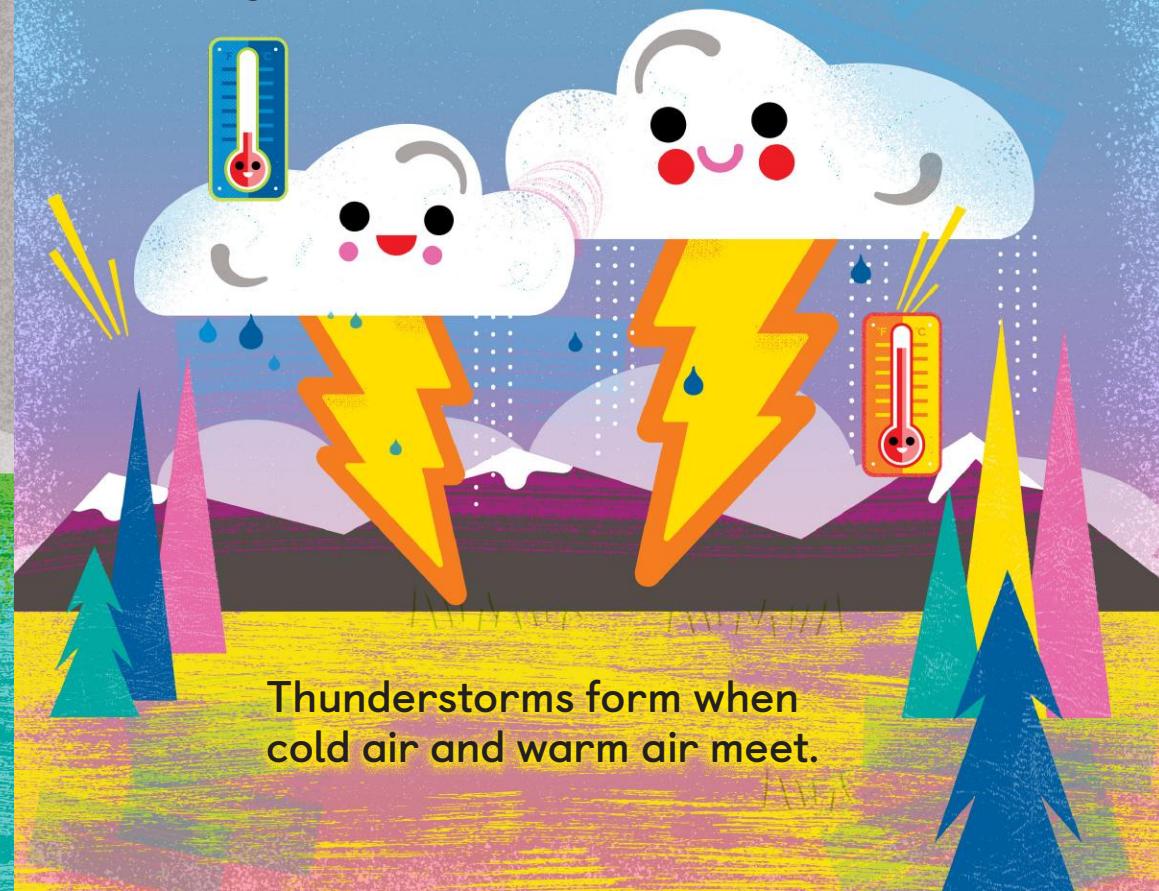
Maybe try ice skating!

Is there a
thunderstorm?

Let's move the
picnic inside.



If you can hear thunder and see lightning,
that's a thunderstorm. Thunderstorms also
bring rain and sometimes wind.



Enjoy a stormy day by playing games with your family.



Try counting the seconds between lightning and thunder. The higher you count, the farther away the storm is!

Stay safe inside and keep away from windows during a storm.



Look outside after a thunderstorm
and you might see a rainbow.
Rainbows form when light
shines through raindrops.



The seven colors in
a rainbow are red,
orange, yellow,
green, blue, indigo,
and violet.



Let's get ready for the weather!

It's a cold, snowy day.

Point to what you will need.

It's raining!

Point to two items you will need.

The weather is sunny and bright!

Point to what you will need.



Look at the clothes each person is wearing.
Use your weather knowledge to decide
which season they're in: spring, summer,
winter, or fall.



Now you're a
weather expert!

What is your favorite
type of weather?



About the Author



Huda Harajli, MA is an author and elementary school teacher. She has undergraduate and graduate degrees in education from the University of Michigan. She loves helping young students learn about weather and weather safety. In her free time, she enjoys reading, writing books, and spending time with her family in Michigan's wonderful four seasons.



About the Illustrator



Jane Sanders illustrates children's books, magazines, newspapers, and even toy packaging. When Jane is not drawing, she loves to walk her poodle and French bulldog. She drew her French bulldog in this book!



