



Adult Books

Buckley, Bruce. ***Weather: A Visual Guide***. Buffalo, NY: Firefly Books, 2004.

Weather explores how weather works and its effect at a local and global level, revealing the importance of climate in determining landscape, flora and fauna, and the overall quality of our lives. Using dramatic never-before-published aerial and satellite photography, this book provides up-to-the-minute information about a fascinating spectrum of natural phenomena.

Burroughs, William James. ***Weather Cycles: Real or Imaginary?***
Cambridge, MA: Cambridge University Press, 2003.

Text explores in detail the unresolved debate on the existence of weather cycles. It provides a different perspective on one of the most difficult questions in the current global warming debate: how much of the recent temperature rise can be attributed to natural causes? The book examines the complex analysis required to assess the evidence for cycles with a minimum of mathematics.

Graedel, T. E. ***Atmosphere, Climate, and Change***. New York, NY: Scientific American Library, 1995.

Two experts on chemistry examine the workings of the atmosphere and the processes which affect weather and even life's evolution. Fine illustrations accompany this intriguing and involving story of Earth's origins and the changing nature of atmospheric conditions, enlightening readers on modern dilemmas in ecological management.

Linden, Eugene. ***The Winds of Change: Climate, Weather, and the Destruction of Civilizations***. New York: Simon & Schuster, 2006.

Eugene Linden reveals a recurring pattern in which civilizations become prosperous and complacent during good weather, only to collapse when climate changes -- either through its direct effects, such as floods or drought, or indirect consequences, such as disease, blight, and civil disorder.

Lyons, Walter A. ***Handy Weather Answer Book***. Detroit: Visible Ink Press, 1997

From cloud formations to rainbow development, *Handy Weather* takes on the controversial climate issues of the day and provides the weather aficionado as well as the more casual enthusiast with a cornucopia of weather facts and trivia. a good thing given the title and intent.

Mooney, Chris. ***Storm World: Hurricanes, Politics, and the Battle over Global Warming***. Orlando, FL: Harcourt, 2007.

One of the leading science journalists and commentators working today, Chris Mooney delves into a red-hot debate in meteorology: whether the increasing ferocity of hurricanes is connected to global warming.

Reynolds, Ross. ***Cambridge Guide to the Weather***. Cambridge, UK:Cambridge University Press, 2000.

The Cambridge Guide to the Weather is a practical guide to observing, measuring and understanding the weather. Aimed at all those who enjoy the outdoors, such as sailors, walkers, climbers and birdwatchers, this book is also useful as an aid to planning holidays throughout the world, with handy country-by-country climate guides and statistics, along with in-depth explanations of global weather patterns.

Schaefer, Vincent J. ***A Field Guide to the Atmosphere***. Boston, MA: Houghton Mifflin, 1981.

More than 400 photographs and line drawings illustrate every kind of atmospheric phenomenon: clouds of every type; storms, from cloudbursts to hurricanes; and sky colors.

Sloane, Eric. ***Eric Sloane's Weather Almanac***. Stillwater, MN: Voyageur Press, 2005.

In *Eric Sloane's Weather Almanac*, readers will learn forecasting tips such as which winds bring what kinds of weather, how to "read" clouds, how to foretell the weather by the moon, and more. Also included is fun climate lore such as old-time sayings about when sap is running and why you should dig your well where lightning has struck.

Weibe, Anne. ***Weather Sense: Temperature, Air Pressure, and Wind***. Fresno, CA: AIMS Education Foundation, 2002.

Budding meteorologists investigate temperature variations, discover the properties of air, and measure wind speed. Students also construct measuring tools, maps, and graphs. Weather proverbs, and journal prompts add a literacy component.

Young Adult Books

Allaby, Michael. ***DK Guide to the Weather***. New York, NY: Dorling Kindersley, 2000.

Explores a wide range of weather topics, including climate and seasons, wind and gales, lightning and thunderstorms, hurricanes and tornadoes, solar wonders, and weather forecasting.

Ardley, Neil. ***The Science Book of Weather***. San Diego, CA: Harcourt Brace Jovanovich, 1992

Simple experiments demonstrate the different forces that cause different kinds of weather.

Ford, Miela. ***What Color Was the Sky Today?*** New York: Greenwillow Books, 1997.
Illustrates the different colors that can appear in the sky as the weather changes during the day.

Haslam, Andrew. ***Weather***. Chicago, IL: World Book, 1997.
Clarifies the study of the forces and principles involved with weather through the use of models and associated activities.

Kahl, Jonathan D. ***Storm Warning: Tornadoes and Hurricanes***. Minneapolis, MN: Lerner Publications Co. 1993
Provides information about hurricanes and tornadoes, such as where and when they occur, how they form, and the damage they can cause.

Milbourne, Anna. ***The Rainy Day***. London: Usborne, 2005.
Explores where rain comes from and how we interact with it.

Paulauski, Patrick. ***W is for Wind: A Weather Alphabet***. Chelsea, MI: Sleeping Bear Press, 2005.
An A-Z pictorial for children including weather terms such as barometer, cloud, tornado, and sunshine introduced with poems accompanied by expository text to provide detailed information.

Rodgers, Alan. ***Forecasting the Weather***. Chicago, IL: Heinemann Library, 2003.
An introduction to weather forecasting, describing some of the methods and tools used.

Rodgers, Alan. ***Precipitation: Measuring the Weather***. Chicago, IL: Heinemann Library, 2003.
Provides an introduction to the different types of precipitation and explains how precipitation is related to weather.

Rodgers, Alan. ***Temperature***. Chicago, IL: Heinemann Library, 2003.
Provides an introduction to temperature, examining how it is measured and the relationship between temperature and weather.

Wyatt, Valerie. ***Weather Watch***. Reading, MA: Addison-Wesley, 1990.
Explains what makes weather, why it changes so often, and how it affects humans and animals. Includes activities and experiments.

Media

The Magic School Bus: Kicks Up a Storm [VHS]. 30 min. Scholastic, 1995.

It's a hot and muggy summer day, and the heat's gone to Ralphie's head. Ms Frizzle asks, "What makes the weather?", then transforms the bus into a Weathermobile and in a wild ride through the skies--giving Ralphie the opportunity to become the meteorological superhero of his dreams.

Eyewitness: Weather [VHS & DVD]. 35 min. Dorling Kindersley, 1996.

Weather takes you on a whirlwind tour of Earth's turbulent atmosphere and reveals the forces that make the day fair or foul. From hurricane, to heat wave, weather is the most closely watched wild card in nature – yet it can still baffle us every day. Narrated by Martin Sheen. Grade 5-adult.

What's up With the Weather [VHS]. 120 min. WGBH, 2000.

Nova and Frontline team up to investigate what is up with the weather. Are floods, famine, hurricanes, droughts, and heatwaves natural disasters or are they man made? Some scientists believe that the increase use of fossil fuels will cause temperatures to raise and eventually cause a new ice age while others believe the weather will remain normal. Who's right- decide for yourself.

Lightning! [DVD]. 60 min. WGBH, 1995.

Lightning! takes you on a high-voltage trip into the most electrically charged weather in the world--culminating in a dazzling lightning show set to music that rivals the most extraordinary fireworks display.

Hurricane! [DVD]. 60 min. WGBH, 1995.

Watch how these highly-trained scientists routinely--and carefully--fly into the world's most destructive storms to discover what makes them tick and to measure their intensity and probable path. Then hear first-hand accounts of Hurricane Camille, the most devastating storm ever to strike the United States.

Hunt for the Supertwister: Chasing Nature's Most Powerful Tornadoes [DVD]. 60 min. WGBH, 2004.

Armed with the latest high-tech mobile radar and computer technology, the world's top scientists and meteorologists take part in some of the most dangerous fieldwork imaginable.