



Educator Resource Center in the Lyman Library

Bibliography for

***Double Exposure: Photographing Global Climate Change***

**Adult Books**

Burroughs, William James. ***Climate Change: A Multidisciplinary Approach.***  
Cambridge, MA: Cambridge University Press, 2001.

Providing a concise, up-to-date presentation of current knowledge of climate change and its implications for society as a whole, this new edition has been thoroughly updated and extended to include the latest information. The text describes the components of the global climate, considers how the many elements of climate combine to define its behavior, and reviews how climate change is measured.

Gore, Albert. ***An Inconvenient Truth: The Planetary Emergency of Global Warming and What We Can Do About It.*** Emmaus, PA: Rodale Press, 2006.

A user-friendly introduction to global warming and a succinct summary of many of the central arguments laid out in other volumes, *An Inconvenient Truth* is lucid, harrowing and bluntly effective.

Hocking, Colin. ***Global Warming and the Greenhouse Effect: Teacher's Guide.***  
Berkeley, CA: Lawrence Hall of Science, University of California at Berkeley, 1990.

Students build a "greenhouse model" of the atmosphere, play a "greenhouse simulation game", and compare amounts of carbon dioxide in car exhaust, human breath, and air. Includes bibliographical references (p. 153-155). Grades 7-10.

Kolbert, Elizabeth. ***Field Notes From A Catastrophe: Man, Nature, And Climate Change.*** New York: Bloomsbury Pub., 2006.

New Yorker writer Kolbert tackles the controversial subject of global warming. Kolbert approaches this monumental problem from every angle. She travels to the Arctic, interviews researchers and environmentalists, explains the science and the studies, draws frightening parallels to lost ancient civilizations, unpacks the politics, and presents the personal tales of those who are being affected most--the people who make their homes near the poles and are watching their worlds disappear.

Leggett, Jeremy K. ***The Carbon War: Global Warming and the End of the Oil Era.***  
New York: Routledge, 2001.

Excessive burning of oil, gas, and coal is raising our planet's thermostat to unacceptable levels-a problem which as already resulted in increased natural catastrophes: storms, floods, droughts, and fire. Yet big oil companies have

repeatedly hijacked efforts to slow global carbon emissions. The Carbon War is a major call-to-arms for the safety of our planet.

Ochoa, George. ***Climate: The Force That Shapes Our World and the Future of Life on Earth***. London: Rodale, 2005.

Spectacular state-of-the-art imagery and the latest scientific knowledge highlight a breathtaking guide to nature's most cataclysmic force. Encyclopedic in scope and visually stunning, this is the most comprehensive work ever published on the earth's climate--an awesome force that, at different points in time, has wiped out 95 percent of all living creatures, plunged the world into ice ages, and played a leading role in every stage of human evolution.

Sweet, William. ***Kicking the Carbon Habit: Global Warming and the Case for Renewable and Nuclear Energy***. NY: Columbia University Press, 2006.

With glaciers melting, oceans growing more acidic, species dying out, and catastrophic events like Hurricane Katrina ever more probable, strong steps must be taken now to slow global warming. Further warming threatens entire regional economies and the well being of whole populations, and in this century alone, it could create a global cataclysm. Synthesizing information from leading scientists and the most up-to-date research, science journalist William Sweet examines what the United States can do to help prevent climate devastation.

***Global Climate Change: Resources for Environmental Literacy***. Arlington, VA: NSTA Press, 2007.

This module is based on the premise that understanding what influences Earth's energy balance is necessary (though not sufficient) to make sound decisions about climate change. Among the key concepts: how weather and climate relate to transfer of energy in and out of Earth's atmosphere, and how human activities have changed Earth's land, oceans, and atmosphere.

***Teaching About Climate Change: Cool Schools Tackle Global Warming***. Gabriola Island, B.C.: New Society Publishers, 2001.

This exciting resource provides educators at all grade levels with strategies to teach about global warming and engage students' interest in doing their part to help cool the planet.

## **Young Adult Books**

David, Laurie. ***The Down-To-Earth Guide To Global Warming***. New York: Orchard Book, 2007.

Irreverent and entertaining, *The Down-To-Earth Guide To Global Warming* is filled with fact about global warming and its disastrous consequences, loads of photos and illustrations, as well as suggestions for how kids can help combat global warming in their homes, schools, and communities.

Gordon, John. ***Glaciers***. Stillwater, MN: Voyageur Press, 2001.

One of the world's most impressive natural wonders, glaciers are largely responsible for sculpting the landscapes we are familiar with today. Natural laboratories, glaciers hold the key to untold secrets of the past, present, and perhaps the future. Accompanied by stunning color photography, John Gordon's text explores the many characteristics of glaciers including how they form and flow, how they have shaped the land, how they record climate changes, and how they are responding to global warming

Johnson, Rebecca L. ***The Greenhouse Effect: Life on a Warmer Planet***. Minneapolis, MN: Lerner Publications. 1990.

Like most authorities on the subject, Johnson describes carbon dioxide gas as the main cause of global warming, and shows how deforestation reduces Earth's capacity to balance the atmosphere by absorbing the gas. She gives balanced, effective descriptions of the computer-based models that are used to make predictions, and then presents a brief, matter-of-fact outline of possible climate changes and their effects on human societies.

Pringle, Laurence P. ***Global Warming: The Threat of Earth's Changing Climate***. New York: SeaStar Books, 2001.

It's not your imagination: Earth is getting warmer. Global warming is perhaps the most prominent environmental issue of the past decade. Award-winning writer Laurence Pringle describes the causes of this worldwide trend, exploring its past, present, and potential future damage to our climate, ecology, and economy.

Scoones, Simon. ***Climate Change: Our Impact on the Planet***. Austin, TX: Raintree Steck-Vaughn Publishers, 2002.

Scoones addresses a variety of climate concerns including global warming, changes in precipitation patterns and polar ice cap shrinkage. As the earth's average temperature rises due to deforestation, pollution and other factors, shifts in weather patterns have occurred that bear monumental consequences. Natural disasters such as floods and droughts have steadily increased over the past few decades. These shifts appear to be linked to climate changes that confront world leaders as potential sources of disaster.

Sexton, Colleen A. ***Glaciers***. Minneapolis, MN: Bellwether Media, 2008.

Simple text and supportive images introduce beginning readers to the physical characteristics and geographic locations of glaciers.

Stein, Paul. ***Global Warming: A Threat To Our Future***. New York: Rosen Pub. Group, 2001.

Stein examines evidence of past weather and climate changes for clues about what's in store for us in the years ahead. Biomes of the Future-more correctly titled Biomes IN the Future-begins on subarctic Ellesmere Island, where the alligators that roamed 50 million years ago have been replaced by NASA vehicles designed to explore Mars.

## Media

***All About Climate & Seasons [VHS]***. 23 min. Schlessinger Media, 2000.

Children discover why different regions of the world have different climates and why seasons change. Includes a hands-on investigation of the effects of direct sunlight on areas of the world. Dr. Jon Nese, chief meteorologist at The Franklin Institute of Science, demonstrates the concept behind the device known as orrery. Grades K-4.

***An Inconvenient Truth [DVD]***. 96 min. Paramount, 2006.

Former Vice President Al Gore explains the facts of global warming, presents arguments that the dangers of global warming have reached the level of crisis, and addresses the efforts of certain interests to discredit the anti-global warming cause. Between lecture segments, Gore discusses his personal commitment to the environment, sharing anecdotes from his experiences.

***Bill Nye The Science Guy: Climates [DVD]***. 26 min. Disney Educational, 2003.

Bill delivers hot sand from Saudi Arabia and bananas from Costa Rica, to explain how different climates are created and how they affect our planet. Grades 4 and up.

***Eyewitness: Weather [DVD]***. 35 min. Dorling Kindersly, 2006.

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.

***Global Warming [VHS]***. 30 min. Schlessinger Media, 1993.

Based on the book by Burkhard Bilger. The Earth At Risk Scholars -- Michael Mann, Genieveve DeVerya, Samir Parikh, Nicole Cianci, Hollis Payer. One of a 10-part series on various aspects of environmental pollution. Grades 5 to 12.

***Global Warming: What's Up With The Weather? [DVD]***. 112 min. NOVA/Frontline, 2007.

Deadly flooding in Africa. Catastrophic hurricanes in the U.S. Record-high temperatures worldwide. Are these natural, temporary glitches in our global climate, or is the devastation the result of global warming? The weather is different now -- but why? Find out when NOVA and FRONTLINE join forces to determine What's Up with the Weather?

***Scientific American Frontiers: Hot Planet - Cold Comfort [DVD]***. 27 min. PBS Home Video, 2005.

So you think global warming won't affect you? Wait until the great Atlantic Conveyor shuts down. And find out what's already happening in Alaska.