

Books

Weather Watch: Forecasting the Weather, Kahl, Jonathan D., 1996 , Lerner Publications Company, Minneapolis, tel: 800-328-4929 ISBN: 0-8225-2529-1 \$21.27

Award-winning book--Who was the first weather forecaster? What kinds of clouds bring rain? What's a hygrometer? *Weather Watch* teaches you all about the science of meteorology and the job of weather forecasting. You'll also learn sky-watching techniques, how to read a weather map, and how to build your own weather instruments.

Storm Warning: Tornadoes and Hurricanes, Kahl, Jonathan D, 1994 ISBN 0-8225-2527-5, Lerner Publications Company, Minneapolis, tel: 800-328-4929 \$21.27

Can wind lift your house into the air? How much rain falls from a hurricane? What is a waterspout? In *Storm Warning*, meteorologist Jonathan Kahl answers all sorts of questions about tornadoes and hurricanes. You'll also learn how hurricanes get their names, how to protect yourself during tornado and hurricane weather, and how to make your own tornado.

1001 Questions Answered About Hurricanes, Tornadoes and Other Natural Air Disasters, Tufty, Barbara, ISBN: 0486254550

Hurricanes, Earth's Mightiest Storms, Lauber, Patricia, Scholastic, 1996

Lauber tells how hurricanes form, how scientists study them, and how hurricanes have affected the United States throughout this century.

The Perfect Storm, Junger, Sebastian. Norton, 1997.

In 1991, off Nova Scotia, three major storms converge to form a superstorm, which threatened everyone caught in its powerful winds and waves. Dramatic rescue attempts and first hand accounts of the experience make this a page-turner.

Web Sites

Tracking recent hurricanes in the Atlantic (Northern Hemisphere)

<http://weather.unisys.com/hurricane/atlantic/1999/index.html>

Connections+ provides interdisciplinary resources on Hurricanes.

<http://www.mcrel.org/resources/plus/hurricane.asp>

Images of flying into the eye of a hurricane, 53rd Weather Reconnaissance Squadron

<http://www.hurricanehunters.com/>

Seventh-grade natural disaster project that highlights hurricanes. Nine related Web sites are listed.

<http://www.germantown.k12.il.us/html/hurricane.html>

Planning for a major storm, home necessities, community resources, weather reports, anatomy of a hurricane.

<http://hurricane.weathercenter.com/>

Innovative, inquiry-based K-12 weather curricula that use current technologies such as CD-ROMs and the World Wide Web for the interactive study of current weather and air quality.

<http://onesky.engin.umich.edu/>

Virtual tour of a hurricane

<http://www.tramline.com/tours/hurricane/ tourlaunch2.htm>

NASA hurricane images

<http://www.users.bigpond.com/walkera/koch.htm>

National Science Content Standards

Content Area	Standards
Physical Science	C1
Earth Science	A6, A9, A10, C4
Science in Personal & Social Perspectives	C1, D1, D2, E2, E4, E5, E7
History and Nature of Science	A1, A2, B3

Hurricane!

To return to the lesson, select Exit from the File pull-down menu.

Materials		
Activity	Material	Amount
Tracking a Hurricane	Hurricane Tracking Map*	1 per student
	U.S. Weather Maps	1 per pair
	Hurricane Tracking Data	1 per student
Daily Weather Maps	Daily U.S. weather maps from a local newspaper	1 per group
	Outline maps of the U.S.	2 per group
Where Do Hurricanes Form?	Hurricane Tracking Map*	1 per student
	Hurricane Origin Data Table	1 per student
Up, Up, and Away	Surface Samples - (a variety of sand, grass, soil, and so on)	per group
	Heat lamps and supports (ring stands)	1 per group
	Container to hold samples	per group
	Thermometer (may need a few)	per group
	* denotes something is found in the student book	

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