

Wind and Weather

A Pathfinder to resources in the Indian Valley Public Library

<http://www.ivpl.org>

Overview



Photo from Earth's Hope website 2010

“Wind: in climatology, the movement of air relative to the surface of the Earth. Winds play a significant role in determining and controlling climate and weather... Wind occurs because of horizontal and vertical differences (gradients) in atmospheric pressure. Accordingly, the distribution of winds is closely related to that of pressure. Near the Earth's surface, winds generally flow around regions of relatively low and high pressure.” – Britannica Online Encyclopedia

Scope

This pathfinder will help you to find some of the important resources available in our library system and on the Internet. This list can serve as a starting point in your understanding of wind and weather systems of Planet Earth. It is not meant as a comprehensive list of all available resources.

- Atmosphere
- Atmospheric pressure
- Climatology
- Geography
- El Niño (ENSO)
- La Niña

These resources are generally found under the Dewey decimal numbers 550 and 551.

Search Terms

- Wind
- Wind systems
- Weather
- Climate
- Air pressure

Encyclopedias

McGraw-Hill Encyclopedia of Science & Technology. Volume XIX, ULC-ZYG: (2000). Ref 503 McGraw

The New Encyclopedia Britannica, 15th edition. Index: (2005). Ref 031 Britannica

Stein, Paul. *Macmillan Encyclopedia of Weather.* Macmillan Reference USA, 2000. 551.503 Stein

Books

Lehr, Paul E., R. Will Burnett, and Herbert S Zim. *Weather: Air Masses, Clouds, Rainfall, Storms, Weather Maps, Climate.* Golden Press, 1987. 551.5 Lehr

Mogil, H. Michael. *Extreme Weather: Understanding the Science of Hurricanes, Tornadoes, Floods, Heat Waves, Snow Storms, Global Warming and Other Atmospheric Disturbances.* Black Dog & Leventhal, 2007. 551.6 Mogil

NOAA, National Climatic Data Center. *Local Climatological Data (Philadelphia, PA), Jan. 2004 - .* (collection of monthly reports) Reference desk binder

Reynolds, Ross. *Cambridge Guide to the Weather.* Cambridge University Press, 2000. 551.6 Reynolds

Schaefer, Vincent and John A. Day. *A Field Guild to the Atmosphere.* Houghton Mifflin, 1981. 551.5 Sch

We don't have it?

Feel free to ask a librarian for assistance. We may be able to get the resource from Interlibrary Loan!

Sound & Video

Fleisher, Carol L. and Mark S. Hooper. *Chasing El Nino.* (videorecording) Burlington, VT: WGBH Boston Video, 1998. Video 551.6 Chasing

Vardey, Edwina. *Weather.* (DVD) New York: DK Publishing, 2006. Juv DVD 551.5 Weather

Websites

NOAA (National Oceanic and Atmospheric Administration). <http://www.noaa.gov>

Current state of the Tropical Pacific: Glossary of ENSO terms. <http://www.esrl.noaa.gov/psd/enso/enso.glossary.html>

Weather.com Glossary Index. <http://www.weather.com/glossary/index.html>

E-book

Trewartha, Glenn. *Fundamentals of Physical Geography.* http://www.bookyards.com/book_details.html?ranking=included&book_id=13786

Access PA resources

POWER Library Databases

- GreenFILE
- Omni File Mega
- Science Full Text Select
- SIRS Discoverer
-

This pathfinder designed to meet Pennsylvania State Educational Curriculum Standard 7.2.9. **GRADE 9 Geography**