



weather learning programs

Other learning programs, references, and ideas that will allow you to further explore the weather are listed below.

Programs

Project Atmosphere Australia On-Line
<http://www.schools.ash.org.au/paa/paa.htm>

Project Atmosphere Australia is an Internet-based project site designed for primary and secondary school students. It provides a range of weather activities and experiences in a range of curriculum areas. The booklet *Weather and Air Activities* is available free as a .pdf file on the site.

Schools of the Pacific Rainfall Climate Experiment

<http://www.evac.ou.edu/sparce/index.html>

The Sparce project has many aims including:

- ◆ To increase the number of rain gauges and other meteorological instrumentation across the Pacific, and incorporate collected observations into a comprehensive database to be used for climate research purposes.
- ◆ Foster interest and increase the awareness among students and teachers of the need for cooperation among different nations in investigating potential climate change.
- ◆ Educate students and teachers about the importance of rainfall (particularly in the Pacific region) to climate studies.
- ◆ Provide students and teachers with an opportunity to make a major contribution to the global climate research effort by collecting and analysing Pacific meteorological data.
- ◆ Foster scientific and cultural exchange between students from different countries.

Monash Science Centre

The centre offers a number of programs, activities and resources, including school visits. A number of



themes are available for the visits, including the weather. Details: tel/fax: 9905 1370 e-mail: jenny.monaghan@sci.monash.edu.au website: <http://www.sci.monash.edu.au/msc/>

Airwatch

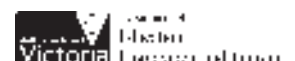
<http://www.environment.gov.au/net/airwatch.html>

The Airwatch site is a place for primary and secondary students to learn more about air quality and related issues in their area. It is updated regularly with air quality readings and survey data from each of the schools involved in the program.

Ozone Monitoring Network

<http://www.netspace.net.au/~vicozone/>

A group of 36 Victorian secondary schools was established in 1995 to monitor ozone levels in the stratosphere and troposphere and share results with a global community of schools. In 2000, 15 schools were involved.





Clouds and the Earth's Radiant Energy System and Students' Cloud Observations Online

<http://asd-www.larc.nasa.gov/SCOOL>

This Ceres and S'cool website has been produced by NASA and includes teacher and student reference materials.

Books

The Wonders of the Weather

By Bob Crowder, Bureau of Meteorology,
\$43.25 + postage.

Available at book shops and:

Publications, Bureau of Meteorology,
9th floor, 150 Lonsdale Street (GPO Box 1289K),
MELBOURNE VIC 3001
tel: 9669 4312

Australian Geographic weather journal

Australian Geographic/Bureau of Meteorology,
\$29.95 + postage.

Available at Australian Geographic stores and:
Publications, Bureau of Meteorology,
9th floor, 150 Lonsdale Street (GPO Box 1289K),
MELBOURNE VIC 3001
tel: 9669 4312

Project Atmosphere Australia Activity Booklets

The set of 10 booklets will be available for free from August 2001 from the Convener of the Education Committee, Australian Meteorological and Oceanographic Society, GPO Box 654E, MELBOURNE VIC 3001

Websites

Bureau of Meteorology

<http://www.bom.gov.au>

Learn About Meteorology section
home page: <http://www.bom.gov.au/lam>

Students/teachers section:
http://www.bom.gov.au/lam/Students_Teachers/learn_act.htm

Pamphlets online (.pdf files)
<http://www.bom.gov.au/info/publications.shtml>
(Aneroid Barometer, Weather Radar, The Weather Satellite, Interpreting Satellite Images, Automatic Weather Stations – the weather sentinels, The Weather Map, Severe Storms, Surviving Cyclones, Bushfire Weather, Marine Weather Services, Forecasts for Sun Safety, Climate Variability and El Nino, Living With Drought, Australia: Climate of Our Continent,

Urban Design, Australia's First Weathermen).

To order, e-mail: publications@bom.gov.au or go to:
http://www.bom.gov.au/info/printed_copy_request.shtml

Weather Page for Kids, Teachers, and Parents!

<http://nimbo.wrh.noaa.gov/Portland/edu/>

With links provided by the University of Illinois, Texas A & M University, University of Wisconsin, University of California, various offices of the National Weather Service (the US weather bureau), and other educational institutions.

How Stuff Works

<http://www.howstuffworks.com/index.htm>

This site is for people who are curious in finding out how stuff works. Enter "weather" in the search facility, and away you go.

The weather calculator

<http://www.srh.noaa.gov/elp/wxcalc/wxcalc.html>

To convert a weather variable, this is the place.

Weather resources

www.sudburyrc.edu.on.ca/csg/matt1.htm#home

This page of resources and activities is designed to assist teachers, students, and weather enthusiasts in learning more about people's favorite topic of conversation - the weather.

Weather resources for kids

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

Nick Walker of the Weather Channel's weather education site for kids, parents and teachers.

Exploratorium science snacks

<http://www.exploratorium.edu/snacks/index.html>

These web pages contain experiments that can help explain why the sky is blue and the sunset is red, how rainbows are formed, how lightning forms, and how to make a cloud in a bottle.

Ozone sites

The ozone hole tour (University of Cambridge)
<http://www.atm.ch.cam.ac.uk/tour/>

Total ozone mapping spectrometer (NASA)
<http://jwocky.gsfc.nasa.gov/>

The Antarctic ozone hole (US EPA)
<http://www.epa.gov/ozone/science/hole/holehome.html>

Ozone hole animation (NASA)
<http://jwocky.gsfc.nasa.gov/multi/epanim97.html>