

Teachers Resource Air Quality Guide

NOTE: Materials are either available for loan or for free depending on availability. Some materials are available on-line. For more information call the Public Information Officer at 360.428.1617 or 800.622.4627 or visit www.nwcleanair.org.

Activities, Lesson Plans & Videos

- K-12 **A.I.R.E. – Air Information Resources for Education** – A Guide for Instructors – This resource book has 29 activities & experiments ranked according to grade level - <http://www.epa.gov/region01/students/teacher/airqual.html>.
- Grades K-12 **Air Quality Environmental Resource Guide(s)** – Notebooks contain a series of classroom activities, overhead transparency masters, glossary and facts sheets. (copies available)
- Grades 4-adult **Air Quality Interactive CD** - Provides information about air quality issues in the Washington. NWCAA
- Grades 3-adult **Air Quality - Prescription for Air Care** - 10-minute video about our individual impacts on air quality. Available at all libraries in Island, Skagit and Whatcom counties. (copies available)
- Grades K-12 **A-Way With Waste** – Materials contain 50 activities about air quality, solid waste, waste & water and hazardous waste. Curricula material is available on the internet at <http://www.wa.gov/ecology/air/awwwhome.html>.
- Grade 4-adult **Environmental Pursuits Playing cards** – Questions and answers about earth, air, water, conservers and consumers. (Free to educators)
- Grade 7-adult **Global Energy Game** - Board game that initiates students' thinking and problem solving of the environmental problems associated with energy use.
- Grades 7-adult **Global Warming – Practical Solutions to Global Warming Presentation, CD** – 20 minutes. NWCAA
- Grade 7-adult **Mold in Your Home: Causes, Prevention, and Clean Up** - 12-minute DVD – available free on-line at <http://www.nwcleanair.org/air/aqPrograms/indoorAir.htm>.
- Grades 6-12 **Meteorology - S.A.M. - Student Activities in Meteorology Manual** – 10 activities in tracking weather patterns, the greenhouse effect and carbon monoxide pollution. (copies available)
- Grades 4–adult **Ozone – Double Trouble** – 17-minute video explaining stratospheric (good) and tropospheric (bad) ozone. (1 copy)
- Grades 7-12 **Ozone - The Two Faces of Ozone** – Teacher's guide and 15-minute video that explains the difference between stratospheric (good) and tropospheric (bad) ozone. (1 copy)
- Grades 7-12 **Population - Jam Packed** – Baywatch star, Alexandra Paul, looks at the world's burgeoning human population crisis from the young adult point of view.



Activities, Lesson Plans & Videos – cont.

- Grades K-6 **Think Earth Curricula** - An integrated environmental education program complete with videos, lesson plans, teacher's guide, posters, practice cards, activities and Spanish translations for each grade level. (Grades 3 and Grades 5-unit 3 discusses air)
- K – Introduces the natural environment
- 1 – Teaches students about natural resources and conservation
- 2 - Examines the three R's – reduce, reuse and recycle
- 3 – Teaches conservation, reducing waste and minimizing pollution
- 4 – Students learn about reducing waste and reducing pollution from waste
- 5 – Focus on protecting the quality of our air, water and soil
- 6 – Focus on protecting our natural environment – explains photosynthesis
- (Free copies available for teachers)
- Grades 7-adult **Wood Heating – “It’s Time to Clear the Air”** – 15-minute video explaining wood stove regulations and clean burning techniques. Also available at libraries in Island, Skagit, and Whatcom counties. (5 copies)
- Grades 7 – adult World Population – A graphic simulation of the history of human population growth -

Pamphlets and Booklets

Air Care: A guide to the Northwest Air Pollution Authority

Answers to Burning Questions: Outdoor burning information

Outdoor Burning: Island, Skagit & Whatcom counties

Transportation: A guide to driving for cleaner air

Wood Heat: A guide to better burning for cleaner air

Northwest Air Mail - NWCAA's Newsletter. Call 360.428.1617 or 800.622.4627 if you would like to get on the mailing list.

Northwest Clean Air Agency's Annual Calendar (Annual Report)

Other Resources

Air Quality Trends - EPA

Air pollution and the New Clean Air Act - EPA

The New Clean Air Act - EPA Journal (Booklet)

Needed: Clean Air! - (Booklet)

Health Effects of Wood Smoke - Washington State Department of Ecology

Visit NWCAA'S website for links to additional resources - <http://www.nwcleanair.org>



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