

Free Air Quality Education Programs in Western North Carolina

The North Carolina Division of Air Quality is pleased to offer educational programs in Western North Carolina. The programs are free and flexible, and we will come to your classrooms, environmental field days, career days, health fairs, and public events. Programs can cover a wide variety of air quality topics and age appropriate solutions to our air quality problems.

The classes and programs are:

- mind-active hands-on learning opportunities for students,
- linked to the NC Standard Course of Study,
- free, and we will travel to your school or site (in a hybrid vehicle).

In addition to learning air quality basics and solutions, the program can be modified to go into great detail about a wide variety of air quality subjects, including: ingredients in the air, sources of air pollution, ground level ozone, particle pollution, visibility, climate change, basic air chemistry and combustion, acid deposition, air pollution and water quality connections, mercury, lead and other toxics, weather, and other air quality issues.

Specific Programs

- Kindergarten to Second Grade: What Is Air? – A classroom demonstration that examines properties of matter.
- Third to Sixth: Air is All Around Us – A hands on program that focuses on the atmosphere and how it interacts with the lithosphere, hydrosphere, plants and animals.
- Seventh, Eighth, and HS Earth and Environmental Science: Driving Choices – Using molecular models, activities, demonstration, and a hybrid car student learn about the properties of air, air pollution and the solutions to our air quality problems.
- HS Chemistry: When There Is Smoke – This class looks closely at combustion, its products and byproducts, and their effects. Students will learn about how individuals are a part of the air quality solutions.

If you would like to schedule a visit, speak with me further, or have questions about air quality please call me at 828-296-4500 or email me at keith.bamberger@ncdenr.gov.

Current availability (as of August 22, 2010):

August: 29, 30, 31(AM)

September: 9, 12, 14, 16, 19 (AM), 23

October: 3, 4, 17, 21, 24, 27, 28