



# Air Quality Classroom Resources

## Compiled by DES Air Resources Division

### Curriculum Guides, Lessons & Activities

Air Pollution: What's the Solution? Explore ground-level ozone pollution through interactive online teaching unit for Grades 6-9 ([www.k12science.org/curriculum/airproj](http://www.k12science.org/curriculum/airproj))

AIRNOW Student /Teachers Air Quality Resources ([www.airnow.gov/index.cfm?action=student.index](http://www.airnow.gov/index.cfm?action=student.index))

Air Quality Education Program, Delaware Department of Natural Resources and Environmental Control – Air Quality Management Section (2000)  
([www.dnrec.state.de.us/DNREC2000/Divisions/AWM/aqm/education/educationprogram.htm](http://www.dnrec.state.de.us/DNREC2000/Divisions/AWM/aqm/education/educationprogram.htm))

Biodiesel Curriculum Guide, Grades 4-12  
([www.biodiesel.org/what-is-biodiesel/biodiesel-fact-sheets](http://www.biodiesel.org/what-is-biodiesel/biodiesel-fact-sheets) listed under School/Kids)

Climate Change – What You Can Do, EPA's School Resource Page for Students, Educators, and Administrators, ([www.epa.gov/climatechange/wycd/school.html](http://www.epa.gov/climatechange/wycd/school.html))

Climate Literacy and Energy Awareness Network - Scientifically and pedagogically reviewed digital resources for teaching about climate science, climate change, and energy awareness  
([http://cleanet.org/clean/educational\\_resources/index.html](http://cleanet.org/clean/educational_resources/index.html))

Clean Air Lesson Plans, Grades 4-8,– Georgia's Clean Air Campaign  
([www.cleanaircampaign.com/for\\_schools/clean\\_air\\_lesson\\_plans](http://www.cleanaircampaign.com/for_schools/clean_air_lesson_plans))

Energy Star – Educate Students  
([http://www.energystar.gov/index.cfm?c=change\\_light.changealight\\_educate](http://www.energystar.gov/index.cfm?c=change_light.changealight_educate))

Extraordinary Road Trip. Eco-driving tips and understanding the issues. ([www.extraordinaryroadtrip.org](http://www.extraordinaryroadtrip.org))

Northeast Sustainable Energy Association ([www.nesea.org/resources/k12-education/](http://www.nesea.org/resources/k12-education/)) Educational materials about Energy and Transportation.

In the Air, Tools for Learning About Airborne Toxics Across the Curriculum. Missouri Botanical Gardens' EarthWays Center & EPA. {[www.intheair.org](http://www.intheair.org) }

Indoor Air Quality “Tools for Schools” ([www.epa.gov/iaq/schools/teachers.html](http://www.epa.gov/iaq/schools/teachers.html) )

Energy Education and Training, US Dept. of Energy, Energy Efficiency & Renewable Energy  
([www1.eere.energy.gov/education/](http://www1.eere.energy.gov/education/) )

National Energy Foundation's Energy Education Links. (<http://nef1.org> click “Programs”)

National Renewable Energy Laboratory education programs ([www.nrel.gov/education/](http://www.nrel.gov/education/))

New Jersey's Air Quality Education page (<http://www.nj.gov/dep/seeds/airqed/index.htm>)

Planet Polluto. Interactive activity for elementary students. ([www.planetpolluto.com/](http://www.planetpolluto.com/))

Project A.I.R.E. EPA Region 1 Student & Teacher air resources webpage  
([www.epa.gov/region01/students/teacher/aire.html](http://www.epa.gov/region01/students/teacher/aire.html))

## **Videos**

EPA Region 1 Video Lending Library (<http://yosemite.epa.gov/r1/videolen.nsf/MainForm>)

## **Classroom Presentations Provided by DES**

Air Quality Monitoring – Overview of the six criteria air pollutants that are monitored in NH in accordance with the Clean Air Act. Focus is on Ozone and Particle Pollution. (Grades: 5-12, Duration: 1 to 1.5 hours)

The Air Quality and Energy Connection – Explores relationship between energy and air quality. Focus is on how individuals can make every day behaviors to keep the air clean. (Grades: K-12, Duration: 1-1.5 hours)

Climate Change – Scientific evidence supports the theory that the climate is changing rapidly as a result of human activity. Explains why scientists are concerned for our future, and what governments, businesses, and individuals can do to try to reverse this change. (Grades: 5-12 Duration: 1-1.5 hours)

## **Additional School and Extracurricular Activities**

Clean Air Zones for Schools – Idling Reduction  
([www.des.nh.gov/organization/divisions/air/tsb/tps/msp/irc/index.htm](http://www.des.nh.gov/organization/divisions/air/tsb/tps/msp/irc/index.htm))

Air Monitoring Station Field Trips (contact DES Air Resources Education & Outreach staff)

Air Quality Teacher's Toolkit (contact DES Air Resources Education & Outreach staff)

## **For More Information**

DES Air Resources – Main Web Site: <http://des.nh.gov/organization/divisions/air/index.htm>  
Education and Outreach Program – (603) 271-1370

*New Hampshire's Educators – Doing Our Share For Clean Air!*