



# Environmental Education Resources

Pima County Department of Environmental Quality  
150 W. Congress Street • Tucson, AZ 85701

## Meet State Standards with FREE Services for Teaching K-12 About the Environment

*"I love how the  
presenter engages  
students – they are so  
informative and leave  
students wanting  
more!"*

- Ms. T., Amphitheater  
Public Schools



### Meet Arizona State Science and Health Standards

Pima County Department of Environmental Quality's (PDEQ) education programs help meet at least the following standards as primary objectives, and may help meet additional standards in other areas such as language arts and social studies. We can tailor presentations to meet classroom goals.

- 🌍 Science Strand 1 Concept 1: Observations, Questions, and Hypotheses
- 🌍 Science Strand 1 Concept 3: Analysis and Conclusions
- 🌍 Science Strand 3 Concept 1: Changes in Environments
- 🌍 Science Strand 6 Concept 3 (K-4): Changes in the Earth and Sky
- 🌍 Comprehensive Health Standard 7

**FREE** presentations, curricula, literature, and classroom tools are available for teaching about the environment and human health.

- 🌍 Air quality
- 🌍 Solid waste management
- 🌍 Pollution prevention
- 🌍 Recycling
- 🌍 Sustainability
- 🌍 Health & wellness
- 🌍 Going "green"

### Classroom/Youth Group Presentations

Speakers are available for lessons and demonstrations on environmental topics for all grade levels.

- 🌍 Greater awareness about environmental issues.
- 🌍 Interesting and fun ways to encourage questions, discussions, and critical thinking.
- 🌍 Information for students to take home and share with their families.
- 🌍 Brief (30 minutes) teacher training and extended workshops for educators.

### Curricula

Age-specific curricula packets allow teachers to demonstrate the properties and unique conditions of air in the Pima County area.

- 🌍 Fun student and teacher hands-on activities creating a lasting educational impact.
- 🌍 Full directions for use and lots of background information.
- 🌍 Elementary and Middle School curricula in English and Spanish.

### Literature

Informational brochures on air quality: causes, effects, and solutions to air pollution; stormwater; solid waste; recycling; illegal dumping; and more available at your request and at classroom visits.

**For information, 520.740.3947 or [www.deq.pima.gov](http://www.deq.pima.gov)  
[robin.johnson@deq.pima.gov](mailto:robin.johnson@deq.pima.gov) or [karen.wilhelmsen@deq.pima.gov](mailto:karen.wilhelmsen@deq.pima.gov)**

## **AirCare 101, Video (Middle School)**

Borrow this video, *AirCare 101 Cleaning Up the Air for the New Millennium*, to learn about transportation and air quality with a professor and two students. Part 1: The Problem is 13 minutes long. Part 2: The Solution is 10 minutes long.

## **AirInfoNow.org (All Grades)**

Use interactive activities and games from this website to educate students about science, health, math, and computers. AirInfoNow provides near real time air quality information at locations throughout the Tucson area. This information empowers kids to protect and improve their health and quality of life.

## **Airville, CD, [www.deq.pima.gov/Airville/Airville.html](http://www.deq.pima.gov/Airville/Airville.html) (All Grades)**

Airville is an interactive activity where students seek and find human actions that reduce or contribute to air pollution. In addition to availability on CD and our website, it is also available as a coloring sheet. Free.

## **Clean Air Activity Trunk & Video (K-3)**

Borrow a trunk to enhance air quality lessons with demonstrations, experiments, and activities.

### **The Trunk**

- 🌍 Contains instructions and ingredients needed for ten hands-on activities and experiments.
- 🌍 Provides ten printed activities that can be copied and distributed to students.
- 🌍 Includes great background information sheets to expand your knowledge.

### **Matt and Emo: Pollution Solution, VHS Video**

- 🌍 12-minute video with puppet and human interaction in Tucson scenery.
- 🌍 Discusses why air is important.
- 🌍 Explains where air pollution comes from and what can be done to reduce air pollution.

## **Environmental Fairs, Earth Day Events, Career Days**

PDEQ staff can set up a table and/or do presentations to share information about the environment for your special events. Free.

## **Save Planet Polluto, CD (All Grades)**

This interactive CD-ROM is fun and packed with information to improve air quality. Keep one for your classroom to download on classroom computers. (Free as supplies last.)

***See more about our education programs at***

***[www.deq.pima.gov/air/education.html](http://www.deq.pima.gov/air/education.html)***

*“Teenagers love to have discussions (arguments actually), and they love “gross” stuff - both of which were in the presentation.”*

– Ms. M., Tucson Unified School District

*“The activities they developed in small groups were relevant and educational at the same time.”*

– Ms. V., Amphitheater Public Schools

*“The presenter was awesome – really knowledgeable, great presence with kids. The pig lungs were great!”*

– Mr. H., City High

*“The instructor varied her style of instruction and kept the kids engaged. She was also quite knowledgeable on the subject matter. The students really liked the Jeopardy format and the lung demonstration.”*

– Mr. M., Tanque Verde Unified School District

