



Pima County Department of Environmental Quality
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 www.pima.gov/deq • www.AirInfoNow.org • www.pima.gov/ecokids

Free Presentations on Environmental Issues

Youth: *Science Day • Earth Day • Love of Reading Week • Enhancing Classroom Lessons on Science, Health or Literature • After School Programs • Summer Programs • Library Programs* **Adult:** *Community Groups • Business & Industry Groups • Neighborhood Association Meetings*

Pima County Department of Environmental Quality offers FREE presentations to groups of all ages. Topics include air quality, climate change, pollution prevention, going green and general eco issues.

Need to make a presentation shorter or longer? Have specific questions you'd like discussed? We can customize presentations to suit your needs. Want to incorporate parts of different presentations? Check out the *Build Your Own Presentation* to pick features you'd like to experience.

Audience	Presentation Description
Grades 4, 5, 6, 7, 8, 9, 10, 11, 12, Adults	<p><u>Air Jeopardy</u></p> <p>Through a fun PowerPoint “Air Jeopardy” game, students will become more aware of air issues including air pollutants of concern in Pima County, health effects of breathing polluted air, air quality and transportation, and solutions to keep the air healthy. Staff may use props to enhance discussion of topics including healthy and simulated unhealthy pig’s lungs to demonstrate what breathing dirty air can do to our health, energy-saving devices to promote energy conservation, and items made from recycled materials and/or reusable items to emphasize waste reduction.</p> <p>Time: 60 minutes Accommodations: screen or blank wall, table, electricity</p>
Adults	<p><u>Airborne Dust Control</u></p> <p>Learn about air pollutants of concern in Pima County, specifically particulate matter (PM), also known as airborne dust. Understand more about targeted sources of PM, health effects of PM, what regulations are in place to reduce the pollutant, and what we can do to keep levels down. This presentation is customized to meet the needs of construction and landscape companies, industry associations, businesses, agencies, and community groups.</p> <p>Time: 45-60 minutes Accommodations: screen or blank wall, table, electricity</p>
Adults	<p><u>Awesome Air</u></p> <p>This PowerPoint presentation introduces air quality issues specifically in Pima County. We discuss air pollutants of concern, where the pollutants come from, their health effects, solutions, and also touches upon global climate change. During discussion, staff may show healthy and simulated unhealthy lungs to demonstrate what breathing dirty air can do to our lungs. Staff may use a worksheet <i>How Green Can You Go?</i>, as a springboard for the audience to discuss green actions related to air quality and the environment in general.</p> <p>Time: 45-60 minutes Accommodations: screen or blank wall, table, electricity</p>

Kindergarten Grades 1, 2, 3	<p><u>Awesome Air Story Time</u></p> <p>Through the reading of two books, <i>I Face the Wind</i> by Vicki Cobb and <i>Stars Beneath Your Bed--The Surprising Story of Dust</i> by April Pulley Sayre, students gain a better understanding about the characteristics of air, airborne dust, and the importance of keeping the air healthy. Students will assist with experiments and act out dust producing activities.</p> <p>Time: 60 minutes Accommodations: table for demonstration</p>
Kindergarten Grades 1, 2, 3, 4, 5, 6, 7, 8	<p><u>Awesome Air & Stomp Rockets</u></p> <p>Through a short lecture/discussion, demonstration, and a FUN stomp rocket activity, participants will learn about the air pollutants of concern in the Tucson area, where pollution comes from, how breathing air pollution may affect our health, and what we can do to keep the air and environment healthy. Staff may use props such as healthy and simulated unhealthy pig's lungs. Staff will guide participants in making their very own stomp rockets that they can keep, and with stomp rocket assemblies, use the power of air to launch rockets for the remainder of the presentation.</p> <p>Time: 60 minutes Accommodations: table for demonstration, work surface for students, shaded outside area</p>
Grades 4, 5, 6, 7, 8, 9, 10, 11, 12	<p><u>Career Day – Environmental Careers, Focus PDEQ</u></p> <p>Through a PowerPoint presentation, and using props as appropriate, participants learn about the many jobs available in the environmental field, the reasons why someone might choose an eco-career, the level of education necessary to get into the field, the different arenas where they might seek work, and focus in on what a career with PDEQ Communications Program is like.</p> <p>Time: 20-60 minutes Accommodations: screen or blank wall, table, electricity</p>
Grades 4, 5, 6, 7, 8, 9, 10, 11, 12, Adults	<p><u>Climate Change Jeopardy</u></p> <p>Through a fun PowerPoint “Climate Change Jeopardy” game, attendees will become more aware of what greenhouse gases are, how climate change is affecting the environment and Earth’s inhabitants, and tips on what we may do to reduce global climate change. Staff may use props to enhance discussion of topics including energy-saving devices, and use a worksheet where participants can think more about where and how they personally use energy in their homes or for transportation.</p> <p>Time: 60 minutes Accommodations: screen or blank wall, table, electricity</p>
Adults	<p><u>Day to Day Choices Make a Difference in the Environment</u></p> <p>All the choices people can make to go green can seem endless and overwhelming at times. This PowerPoint presentation takes the audience through an ordinary day in the life of Practically Perfect Pat. Practically Perfect Pat makes green choices every day, some very simple such as turning lights off when leaving a room, some more complicated and expensive like having a solar-powered home. Although many of these choices are quite common, the presenter attempts to connect how individually and collectively, our choices make a difference in the environment.</p> <p>Time: 45-60 minutes Accommodations: screen or blank wall, table, electricity</p>
Grades 2, 3, 4, 5, 6	<p><u>EcoBINGO</u></p> <p>Using a fun BINGO game format, students will identify icons related to many different environmental topics, acting as springboards for age-appropriate discussion on subjects including air quality, water quality, energy conservation, solid waste and recycling, climate change, and tips on going “green.” Discussion will be enhanced with props and video and audio snip-its to make the presentation entertaining as well as educational.</p> <p>Time: 60 minute Accommodations: screen or blank wall, electricity, two tables (or one large one)</p>

<p>Grades 4, 5, 6, 7, 8, 9, 10, 11, 12, Adults</p>	<p><u>Eco Jeopardy</u> Through a fun PowerPoint “Eco Jeopardy” game, students will learn about a variety of environmental issues including air quality, solid waste/recycling, climate change, and general eco info to promote a healthy environment. Staff may use props to enhance discussion of topics including healthy and simulated unhealthy pig’s lungs to compare clean and dirty air, energy-saving devices to promote energy conservation, and items made from recycled materials and/or reusable items to emphasize waste reduction. Time: 60 minutes Accommodations: screen or blank wall, table, electricity</p>
<p>Grades 4, 5, 6, 7, 8</p>	<p><u>Got Dust? Role-play</u> Through lecture, demonstration, and an interactive role-play activity, participants will gain a greater awareness of air pollution issues, specifically regarding particulate pollution. Participants will learn about air pollutants of concern in Pima County, health effects of air pollution, and possible solutions to reduce air pollution. The audience will discover different perspectives in a situation regarding airborne dust in a residential neighborhood due to ATV activity, and attempt to find a solution. Time: 60 minutes Accommodations: table for props</p>
<p>Kindergarten Grades 1, 2, 3, 4, 5, 6</p>	<p><u>Little Green Riding Hood</u> In a storytelling format, the presenter adapts a longtime favorite tale to share information about “green” living. The story delves into home energy use and transportation, two major sources of air pollution and greenhouse gases, as well other sources and environmental issues (like recycling) as Little Green Riding Hood leaves her village and scampers through the woods to her grandmother’s house. The presenter uses props to enhance delivery, and opens the presentation up for discussion of environmental issues, focusing on actions we can take and products we can use to be more “green.” Time: 45-60 minutes Accommodations: table for props</p>
<p>Kindergarten Grades 1, 2, 3, 4, 5, 6</p>	<p><u>The Lorax</u> Through the reading of The Lorax by Dr. Seuss, the audience will enjoy the wondrous world of Truffula Trees, Humming Fish and Brown Bar-ba-loots to highlight the effects of our use of Earth’s resources. Discussion follows with a series of questions designed to encourage thoughtful conversation of wise use of resources to protect the land, water, air and human health. Time: 45-60 minutes Accommodations: table for props</p>
<p>Grades 2, 3, 4, 5, 6</p>	<p><u>Riding Bikes Helps the Air</u> This PowerPoint presentation engages the audience by weaving in true/false questions while discussing the two problem air pollutants we deal with in Pima County, their sources, health effects, and actions we can take to reduce air pollution. We focus on the use of bicycles as an alternative to driving motor vehicles, for exercise, and work purposes among many other uses. Staff may use props such as healthy and simulated unhealthy pig’s lungs. Time: 45-60 minutes Accommodations: screen or blank wall, table, electricity, work surface for students, shaded outside area</p>
<p>Grades 9, 10, 11, 12</p>	<p><u>When You Can’t Breathe, Nothing Else Matters</u> This PowerPoint presentation introduces air quality issues in Pima County. We discuss air pollutants of concern, their sources, health effects, solutions, and also touch upon global climate change. This is an interactive presentation incorporating small group brainstorming, classroom discussion, and props such as healthy and simulated unhealthy pig’s lungs. Staff may use an activity sheet as a springboard to share ideas about practical green actions that may be taken on a daily basis. Time: 60 minutes Accommodations: screen or blank wall, table, electricity</p>

BUILD YOUR OWN PRESENTATION

Pick and choose features from different presentations to build an event most suitable to your audience.

Air Pictionary

Participants take turns drawing pictures while the rest of the audience guesses what they're drawing – sources, effects, or solutions to air pollution.

Healthy and Unhealthy Lung Demonstration

Through discussion and the use of healthy pig's lungs and simulated unhealthy pig's lungs, the audience discovers more about the health effects of breathing air pollution.

How Green Can You Go?

Through discussion and guided by a worksheet, participants will examine how they use energy in their homes and for transportation, and make a plan to improve energy consumption where warranted.

Little Green Riding Hood

Enjoy a favorite old-time tale in a storytelling format with a green living twist.

The Lorax

Love of Reading Week? Participants enjoy the wondrous world of Truffula Trees and Brown Bar-ba-loots invented by Dr. Seuss to highlight the effects of our use of Earth's resources.

Stomp Rockets

Have fun with the power of air. Make rockets out of paper, bottle caps, and tape. Go outside and shoot them off using PDEQ's stomp rocket assemblies.

Storytime – I Face the Wind

Participants listen to the book *I Face the Wind* and participate in experiments to learn about basic properties of air.

Storytime – Stars Beneath Your Bed

Participants listen to the book *Stars Beneath Your Bed, the Surprising Story of Dust*, act out dust producing activities, and learn why it is important to keep dust from becoming airborne.

For more information or to schedule a presentation(s), contact Karen.Wilhelmsen@pima.gov or phone (520) 724-7449.