



THE
FRANKLIN
INSTITUTE

CADETTE GIRL SCOUTS.

*It's Your Planet – Love it!
Breathe Journey*





In Touch with Air, pp. 33 - 35

- What are greenhouse gases? Which gases in earth's atmosphere are considered greenhouse gases? Where does each of them come from? Which one has the biggest greenhouse effect?
- Try the Greenhouse Gases game. Can you trap just enough heat to keep the planet at the right temperature for people, plants, and animals?
- What is your carbon footprint? Slide the scales on this exhibit to compare your carbon footprint with others. Are there any other changes to your lifestyle you could make that would reduce your carbon footprint?
- Use the interactive Climate Change screen to make a plan for controlling climate change. What were the positive effects of the choices you made? What were the negative effects?
- How do environmental scientists use air bubbles trapped in ice to study climate change? What do they look for in the air bubbles, and what can they learn from them?



ELECTRICITY

2nd Floor

In Touch with Air, p. 35

- How do you think electricity use is connected to air pollution? What ideas can you find in this exhibit for reducing your own electricity use?

- Use the Balance of Power screen to see the effects of using different types of power sources. What are the positive and negative effects of each? What type(s) of power would be best for reducing air pollution? What combination do you think would be the best choice overall? Why?



KEY HALLWAY

2nd Floor

(Only available during regular museum hours.)

Seeing the Forest for the Trees, p. 63

- Trees play an important role in keeping the planet's air clear. What are some things people use trees (or their wood) for?



KEY HALLWAY

2nd Floor

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Seeing the Forest for the Trees, p. 63

- Make your own piece of recycled paper. What materials did you use to make this paper? Make sure to take an instruction sheet so you can try it again at home. What other materials could you try using?

- What are some other ways you could help to use up fewer trees?



MUSEUM WIDE

Airy Alternatives, p. 98

- As you go through the museum, keep an eye out for jobs that involve air. Can you find or imagine at least one in each exhibit? Make a list of all the air-related careers you've collected.



MUSEUM WIDE

Compare Air, p. 14

- Observe the air inside the museum and make an entry in your personal air log. What do you hear? What do you smell? What do you see? What are people around you doing that might affect the air? Try making observations in different places around the museum and notice the similarities and differences between them.

- Make some air observations outside the museum as well. Record what you see, smell, and hear, and notice the things around you that might affect the air. How many trees can you count? How many cars or trucks go by while you are making your observations? Are the people you see talking loudly? Using cell phones or i-pods? Smoking? What else do you notice?