

Above: Images of the Great Smoky Mountains National Park, Look Rock Tower and visibility impairment

Gaia's Guard is an educational, interactive CD-ROM and referenced Teachers Guide that:

- · Promotes critical thinking
- Develops problem-solving skills
- · Involves inquiry-based investigation
- · Is interdisciplinary
- Allows enrichment/remediation opportunities

Gaia's Guard is a cooperative project brought to you by:

National Park Service
Air Resources Division

U.S. Fish and Wildlife Service Air Quality Branch

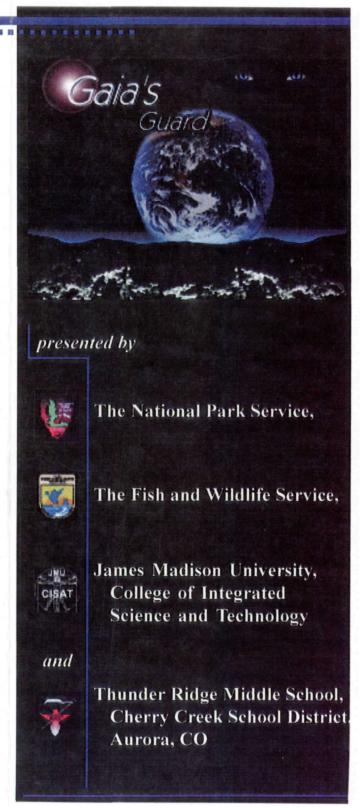
James Madison University
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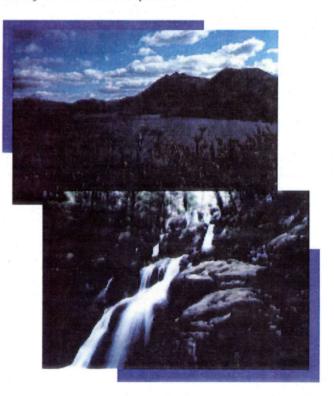
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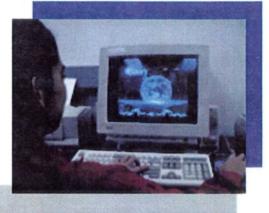


Gaia's Guard takes you to national parks and wildlife refuges across the United States. You will learn about natural resources and how to protect them from air pollution. And when resource threats are detected, it's up to YOU to identify and correct the problem!

The program is built around a series of interactive, multimedia educational modules which focus on subjects such as ozone injury to plants and visibility impairment due to air pollutants.

The learning experience begins with an overview of natural resource issues at a National Park or National Wildlife Refuge. Then in a virtual tour you visit the ecosystem that you will have to protect.







Next visit the classroom/computer lab where *Gaia's Guard* integrates learning with fun and entertainment. Instructional modules and interactive activities present the concepts necessary to understand how air pollutants affect the natural world and what we can do as resource managers and citizens to protect our natural resources.

Finally, step into the shoes of a resource manager as role-playing is used to teach environmental concepts and issues, the scientific method, and communication skills. A report of injured resources arrives on your desk . . . you must conduct the field work, collect and analyze data, and formulate a plan of action to save the resources.



Left, top, and bottom: Scenes from the manager's resource station.

Right: Quicktime
Virtual Reality movies
allow the user to
interact in a virtual
forest to help solve
the problems affecting
the national resources



