



Global Change Education Resource Guide



IN A NUTSHELL

Edited by: Lynn L. Mortensen

Office of Global Programs
National Oceanic and
Atmospheric Administration
Attn: Direct Marketing
1100 Wayne Avenue,
Suite 1225
Silver Spring, MD 20910

phone: (301) 427-2089 ext. 28
fax: (301) 427-2222
e-mail: gray@ogp.noaa.gov

Cost: No charge
(while supplies last)

SUBJECTS

Mathematics
Science
Social Studies

Developed by the National Oceanic and Atmospheric Administration, this collection of materials brings together scientific journal articles, sections from activity guides, and lessons from other educational materials to comprise a teaching unit on the scientific discussion of global temperature change. Chapters address natural climate changes, the greenhouse effect, the rise in sea levels, ozone depletion, and how the global ecosystem is responding to these stressors. Social effects and considerations are also addressed. A final chapter looks at decision-making around these scientifically uncertain issues. Most information is given in text form although some activities and experiments are included. Also available is a set of 48 full color transparency masters and a videotape showing several scientists discussing and explaining climate change issues. The material is illustrated with photographs, drawings, charts, maps, and tables. A bibliography of related materials is also provided. Many of the chapters come from United Nations and U.S. Government publications, and are available in different languages.

Grade Level
K-12

Length
402 pages

Date Published
1994

THE **BOTTOM**
LINE

"As it is, this is a resource guide. It provides a great deal of information that could add to an educator's information base."

	Key Characteristics	Strengths Noted	Other Considerations
What the REVIEWERS Said !	Fairness and Accuracy	Presents global and national positions. Include many primary sources. Materials are referenced and peer-reviewed.	
	Depth	Gives attention to scale, awareness, and concepts.	
	Emphasis on Skills Building	Includes many opportunities for practicing scientific inquiry and evaluation skills.	
	Action Orientation	N o t A p p l i c a b l e .	
	Instructional Soundness	Provides a variety of formats. Some lessons connect subject matter to students' lives.	Provides much information but few lesson plans for teachers. Not designed for learner-centered instruction. Contains few hands-on activities.
	Usability	Provides helpful background information.	Some sections may be too complicated even for high school students.

"Any teacher would be glad to have this as a reference in the classroom."

"An incredible package covering scientific and social issues."