



Global Systems Science Series...

- An Introduction
- Changing Climate
- Closing The Ozone Hole
- Ecosystem Change
- Energy Flow
- Energy Use
- Human Population Impact
- Life and Climate
- Losing Biodiversity

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Cost: Not determined



IN A NUTSHELL

The *Global Systems Science Series* focuses on the study of how people interact with the natural environment and what we can do to achieve a more sustainable world. The course is divided into nine student guides, which can be used independently of each other and in any order. Each guide raises some important questions for which there are no “correct” answers and applies scientific knowledge to key global problems. Students are encouraged to search for possible solutions. The accompanying teachers’ guides offer suggestions for class discussions, laboratory activities, and homework assignments and include data sheets for duplication. The goals of the program are to encourage student interaction and collaboration and to have students think about and care about what is happening in our world.

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|-----------------------|---------------------|
| Grade Level | 9-12 |
| Length | 60+ pages per guide |
| Date Published | 1998 |

SUBJECTS

- Economics
- Mathematics
- Science
- Social Studies

THE BOTTOM
LINE

“This series is not afraid to present difficult and controversial issues.”

| What the REVIEWERS Said ! | Key Characteristics | Strengths Noted | Other Considerations |
|---------------------------|-----------------------------|--|---|
| | Fairness and Accuracy | Abundance of factual information, usually presented in an unbiased manner. Reviewed and tested by 125 teachers. Emphasis given to women doing scientific research. | Some questions are not as open-ended as they could be. Doesn't always show all sides of an issue. |
| | Depth | Provides attention and linkages to different perspectives. Very thorough. Strong portrayal of evolution of the human perspective. | |
| | Emphasis on Skills Building | Emphasis on problem solving, critical and creative thinking skills. | |
| | Action Orientation | Encourages students to explore various choices and take action. Considers ethical and moral issues without telling students what to think. Focuses on sense of personal stake and responsibility. | Action-skill activities focus on individual actions. Could give more emphasis to conflict resolution and working with others to solve environmental problems. |
| | Instructional Soundness | Very learner-centered. Maintains interest by focusing on things important to high school students. Materials can be adapted for different learning styles and abilities. Includes charts and graphics that summarize concepts. | |
| Usability | Writing is engaging. | Design somewhat dense and not very interesting. Could use more photos or illustrations. | |

“Good use of everyday situations to explain scientific concepts.”

“These materials are comprehensive and future-oriented in a thought-provoking way.”