



Interactive Lake Ecology



IN A NUTSHELL

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Cost: \$7.50 teacher's guide

\$5.50 student's guide

SUBJECTS

Language Arts

Mathematics

Science

Social Studies

This curriculum contains seven lessons on lakes, water, and lake ecology. The student guide includes text, diagrams, instructions for conducting experiments, note sheets, and a glossary. Important vocabulary words are italicized throughout, and chapters conclude with review questions. Lesson topics include properties of water, succession, pollution, lake classification, food chains, and watersheds. A final chapter reviews the information of the seven lessons and encourages students to take part in action projects. The teacher's guide lists objectives for each lesson, answers to review questions, procedures for conducting experiments, and teaching instructions. The appendices include illustrations (diagrams, maps, or drawings) of the major ideas presented in the chapters, worksheet masters, time frame charts, suggestions for field trips, a final test, and a bibliography. An accompanying video covers the topics of the seven chapters and includes interviews with scientists and additional illustrations of the concepts covered.

Grade Level
5-8

Length
105 pages

Date Published
1991

THE **BOTTOM**
L I N E

"This would be a beneficial resource for an environmental educator, especially when working with a classroom on a pre- or post-activity basis."

What the REVIEWERS Said !	Key Characteristics	Strengths Noted	Other Considerations
	Fairness and Accuracy	Information is factually accurate.	Presents a conservationist bias.
	Depth	Emphasizes ecological concepts. Looks at change over time.	
	Emphasis on Skills Building	Makes use of critical thinking skills. Students develop hypotheses regarding experiments.	
	Action Orientation	Promotes action; encourages learner to share information with others. Identifies ways learners can make a difference.	
	Instructional Soundness	Combines hands-on activities, field trips, guest speakers, and other teaching strategies. Includes assessment options	Does not state goals.
	Usability	Materials are long-lived, easy to use, and adaptable	Student book is uninviting. May not be relevant to those who do not live near a lake.

"The video is a good introduction to the written materials."

"An impressive piece of material to present limnology and related environmental issues."