



Ranger Rick's NatureScope —  
**Geology:**  
**The Active Earth**  
Second Edition



IN A NUTSHELL

Edited by: Judy Braus  
National Wildlife Federation

National Wildlife Federation  
11100 Wildlife Center Dr.  
Reston, VA 20190-5363

phone: (800) 822-9919  
website: www.nwf.org

**Cost:** \$17.85/Limited quantity  
available

---

**SUBJECTS**

---

Fine Arts  
Mathematics  
Science

This collection of activities focuses on the structure of the earth, how rocks and minerals are formed, and how landforms are created and worn down by natural events such as plate tectonics, vulcanism and erosion. The last two sections of the book contain activities dealing with the creation and understanding of fossil fuels. Students are engaged in such activities as making picture cubes of mountains, building models showing the elevations in contour maps, growing crystals, experimenting with erosion on different surface types, and conducting mineral scavenger hunts. Objectives, age ranges, materials lists and related subjects are listed for each lesson, as well as answers to questions and explanations of experiments for teachers. Fourteen student worksheets and handouts are included. The text is illustrated with drawings, maps, and charts, and provides a bibliography.

**Grade Level**  
K-8

**Length**  
96 pages

**Date Published**  
1997

**THE** **BOTTOM**  
**L I N E**

"This is a delightful combination of hard science and 'fun' facts."

What the REVIEWERS Said !	Key Characteristics	Strengths Noted	Other Considerations
	Fairness and Accuracy	Information appears factual. Bibliography is provided.	
	Depth	Covers both short- and long-term developments.	
	Emphasis on Skills Building	Includes critical thinking, identification, organization and observation skills.	Weak on action skills and on judging validity of data.
	Action Orientation	Not Applicable.	
	Instructional Soundness	Material is learner-centered, and makes use of a variety of learning techniques. Contains a mixture of indoor and outdoor activities. Clearly states objectives.	
	Usability	Material is clear, easy to use, and adaptable to a variety of developmental levels. Information is long-lived.	

"This is a well thought-out packet with a logical flow of activities."

"The materials offer many opportunities for inquiry and discuss historic and global geological events."