



Rocks, Sand and Soil

Currently Out of Print



IN A NUTSHELL

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Windows on Beginning
Science Series
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SUBJECTS

Fine Arts
Science

This is part of a larger series designed to expose younger children to science and scientific processes. The twenty-eight lessons in this book involve simple activities with rocks and soils. The activities are structured to develop skills and to teach students about the natural world. Among the activities are building sand castles, checking the magnetic properties of soil, making timers out of sand, describing and making of rocks out of dough, making plaster casts of fossils, and comparing water drainage in different soils. Each activity lists the skills developed and materials needed, and provides information for setting up. The instructions include questions to ask during and after the activities, ways of recording or charting findings, and suggestions for stretching students' thinking by applying the skills to related situations.

Grade Level
pre K- 2
Length
60 pages
Date Published
1988

THE **BOTTOM**
L I N E

"Allows the students to explore science naturally, while the instructor provides structure to the inquiry."

What the REVIEWERS Said !	Key Characteristics	Strengths Noted	Other Considerations
	Fairness and Accuracy	Encourages student inquiry.	Does not cite reviewers or references.
	Depth	Develops awareness and concepts appropriately for grade level.	
	Emphasis on Skills Building	Strong on observation and classification skills. Encourages creative thinking and problem-solving. Involves both individual and group work.	
	Action Orientation	Not Applicable.	
	Instructional Soundness	Activities are learner-centered and promote exploration. Lessons become more complex and build on previous activities.	
	Usability	Instructions are clear, logical and easy to follow. Requires simple materials.	Material cannot be copied for classroom use. Some teachers may need assistance in locating different kinds of soil and rock samples.

"The activities are good, but the book is clearly meant to be used as a supplement to other science materials."

"Students are encouraged to participate, explore, and enjoy."