Title:
Discovering Volcanoes
Page 1 of 2

Suitable for
grades 3 to 6
(adaptable to other grades)

Correlation to
K–4
Content Standards

+ = outstanding
✓ = adequate
❍ = marginal

		Unifying Concepts & Processes					Science As Inquiry		Physical Science			Life Science			Earth & Space Science			Science & Technology			Science In Personal & Social Perspectives					History of Nature & Science			
	Page Number	Systems, Order, & Organization	Evidence, Models, & Explanation	Change, Constancy, and Measurement	Evolution & Equilibrium	Form & Function	Abilities Necessary to do Scientific Inquiry	Understandings about Scientific Inquiry	Properties of Objects & Materials	Position & Motion of Objects	Light, Heat, Electricity, and Magnetism	Characteristics of Organisms	Life Cycles of Organisms	Organisms & their Environments	Properties of Earth Material	Objects in the Sky	Changes in Earth and Sky	Abilities of Technological Design	Understandings about Science & Technology	Ability to Distinguish between Natural Objects and Human-made Objects	Personal Health	Characteristics and Changes in Populations	Types of Resources	Changes in Environments	Science & Technology in Local Challenges	Science as a Human Endeavor			
The Inside Story	2		+												✓									✓					
How is Earth's Mantle?	3						+																	❍					
Moving Mantle, Bumping Plates	4-5														❍									✓					
Volcano Riddle	6						✓																						
A Look Inside A Volcano	7																												
What's the Difference?	8								+																				
Ropes, Pillows and Clinkers	9								+																				
Flying Saucers	10	❍	❍						❍	+																			
Boom! A Volcano Game	11-13																												
Ring of Fire	14				❍																								
The Cascade Mountains	15																												
Mount Rainier Mudflows	16				❍																								
Crater Lake Loses Its Top	17				✓																			❍					
Mount Baker is Fuming	18																								❍				
Mount Hood Playground	19																												
Mount St. Helens Erupts	20				❍																								

Dog-Eared Publications DRAFT Correlation to the National Science Education Standards: Level K–4

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Blanket of Ash	21																												
Mountain on the Rise	22																							❍					
East of the Cascades	23				❍																			❍					
Craters of the Moon	24				❍																								
Lava Beds National Monument	25				❍																								
Volcanic Activity - Helpful or Harmful	26-27	❍	+				+														❍								
Scientists Study Return of Life	28		❍					❍				✓																	
Scientists and Their Machines	29							✓											✓		❍				❍				
Be a Scientist - Experiment	30							✓																					
How to Build a Volcano	31							❍																					
Tunnel to the Mantle of the Earth	32																												