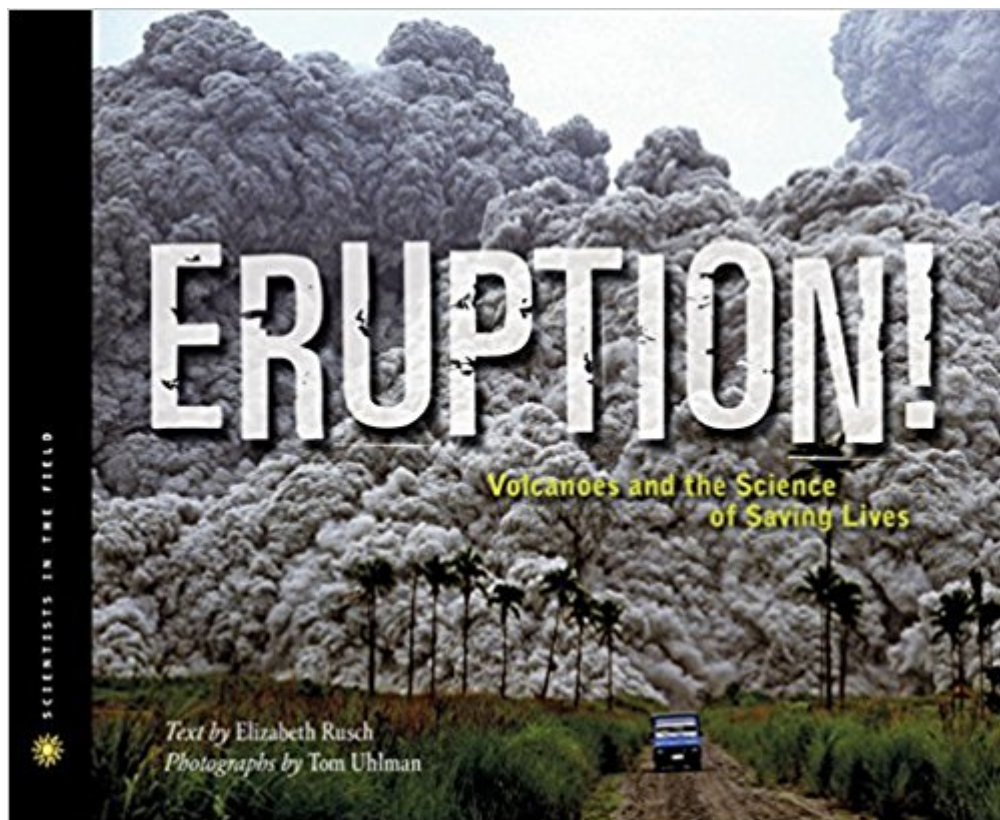




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# Eruption!: Volcanoes And The Science Of Saving Lives (Scientists In The Field Series)



## Synopsis

“At 11:35 p.m., as Radio Armero played cheerful music, a towering wave of mud and rocks bulldozed through the village, roaring like a squadron of fighter jets. Twenty-three thousand people died in the 1985 eruption of Colombia’s Nevado del Ruiz. Today, more than one billion people worldwide live in volcanic danger zones. In this riveting nonfiction book filled with spectacular photographs and sidebars, Rusch reveals the perilous, adrenaline-fueled, life-saving work of an international volcano crisis team (VDAP) and the sleeping giants they study, from Colombia to the Philippines, from Chile to Indonesia.

## Book Information

Lexile Measure: 1000L (What’s this?)

Series: Scientists in the Field Series

Hardcover: 80 pages

Publisher: HMH Books for Young Readers (June 18, 2013)

Language: English

ISBN-10: 0547503504

ISBN-13: 978-0547503509

Product Dimensions: 11 x 0.5 x 9 inches

Shipping Weight: 1.4 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 4 customer reviews

Best Sellers Rank: #610,342 in Books (See Top 100 in Books) #45 in Books > Children’s Books > Education & Reference > History > Central & South America #73 in Books > Children’s Books > Education & Reference > Science Studies > Nature > Earthquakes & Volcanoes #328 in Books > Children’s Books > Education & Reference > Science Studies > Earth Sciences

Age Range: 10 - 12 years

Grade Level: 5 - 7

## Customer Reviews

Gr 5-9 What does another book about volcanoes or natural disasters matter to a nonfiction section these days? In the case of this addition to the series, it matters a lot. This book gives tragic and terrifying volcanoes a sense of story that other books lack by talking about real-life crises and how individuals came together to keep millions of people safe. Young geology enthusiasts may not realize that there are so many volcanoes in the world, erupting constantly and

posing threats to so many people, so the maps and personal narratives are eye-opening. The text is easy to understand but does not oversimplify the content, and the captions for the full-color photos give brief but valuable information about the images. In addition to telling the stories of specific, recent volcanic eruptions and how volcanologists reacted, there are also many pages with general information that help readers gain necessary vocabulary and see the big picture of volcanic activity. The book includes an extensive index, a helpful glossary, chapter notes citing sources, and a selected bibliography that is fairly lengthy, covering quite a breadth of sources. A great addition for all collections.

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In the latest entry in the acclaimed Scientists in the Field series, Rusch and Uhlman bring the power of volcanoes to life, though their focus is on how modern scientists predict eruptions. Following the death of 23,000 people in the 1985 eruption of Nevado del Ruiz in Colombia, members of the Volcano Disaster Assistance Program believed they had learned enough from earlier eruptions to help prevent future tragedies. Because the VDAP scientists cannot always be on site when disasters occur, they hosted and trained native volcanologists to measure volcanic pressure and develop early evacuation warnings. This book focuses on two extreme challenges, Mount Pinatubo in the Philippines and Mount Merapi in Indonesia. Despite the training, advances in modern detection equipment, and satellite images, Mount Merapi proved a nail-biting experience. Because Rusch and Uhlman saw the Merapi destruction first-hand when they accompanied VDAP scientists on a follow-up trip to Indonesia, their deep research, educational graphics, and breathtaking photos are all the more compelling. Grades 5-8. --J. B. Petty

Wow! I learned so much from this book and the writing is just gripping. History, science, culture, what happens to people when they don't know the history of the ground on which they live. Great book!

My son loved it!

Hundreds of millions of people live in volcano hazard zones. In response to a tragic eruption in Columbia in 1985 a small group of scientists formed an international volcano crises team. Using cutting edge technology they hoped to apply the lessons learned from the Mt. St Helen's eruption to save lives around the world. In exciting and vivid prose

Eruption chronicles their efforts as they travel to dramatic and dangerous locations and, in partnership with a diverse group of local scientists, fight to predict cataclysmic events including the 1991 Mt. Pinatubo eruption in the Philippines and the 2010 eruption of Mt Merapi in Indonesia. In this latest addition to the excellent Scientists in the Field series, clever design breaks up the text into easily digestible chunks and magma colored panels highlight intriguing background information and facts. Lots of gorgeous color photographs provide a sense of the people and places at risk, as well as the technology and techniques of the scientists. A glossary, chapter notes, selected bibliography and index complete this superb book.

There are countless nonfiction books about volcanoes, but I don't know of another book that captures the danger and tragedy of volcano eruptions in such vivid language. Elizabeth Rusch and Tom Uhlman have put together an enlightening story of those affected by volcanic eruptions and the volcanologists working around the clock to prevent future fatalities. Informative charts, graphs, and side panels explain the science behind volcanic eruptions, and large, colorful photographs illuminate the power and force of volcanoes around the world. The story is a must-read for budding earth scientists and volcanologists.

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