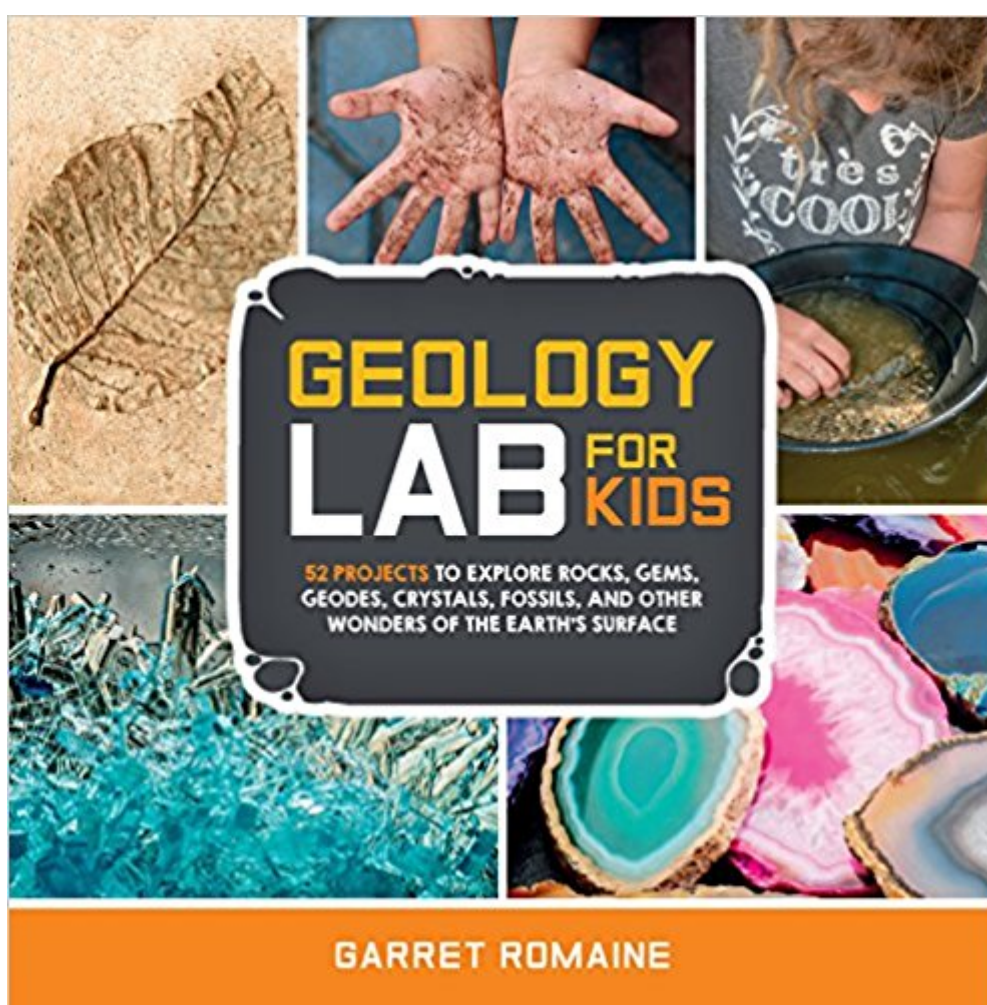


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# Geology Lab For Kids: 52 Projects To Explore Rocks, Gems, Geodes, Crystals, Fossils, And Other Wonders Of The Earth's Surface (Lab Series)



## Synopsis

Geology Lab for Kids features 52 simple, inexpensive, and fun experiments that explore the Earth's surface, structure, and processes. This family-friendly guide explores the wonders of geology, such as the formation of crystals and fossils, the layers of the Earth's crust, and how water shapes mountains, valleys, and canyons. There is no excuse for boredom with a year's worth of captivating STEAM (Science, Technology, Engineering, Art & Math) activities. In this book, you will learn:- How to identify the most common rocks and minerals- How to maintain and display your rock collection- How insects are trapped and preserved in amber- How geysers and volcanoes form and erupt- How layers of rock reveal a record of time- How to pan for gold like a real prospector Geology is an exciting science that helps us understand the world we live in, and Geology Lab for Kids actively engages readers in simple, creative activities that reveal the larger world at work.

## Book Information

Lexile Measure: 1020 (What's this?)

Series: Lab Series

Flexibound: 144 pages

Publisher: Quarry Books (July 1, 2017)

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ISBN-10: 1631592858

ISBN-13: 978-1631592850

Product Dimensions: 9 x 0.5 x 9 inches

Shipping Weight: 1.2 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 2 customer reviews

Best Sellers Rank: #59,919 in Books (See Top 100 in Books) #13 in [Books > Children's Books > Education & Reference > Science Studies > Nature > Fossils](#) #18 in [Books > Children's Books > Education & Reference > Science Studies > Nature > Rocks & Minerals](#) #48 in [Books > Children's Books > Science, Nature & How It Works > Experiments & Projects](#)

Age Range: 8 - 12 years

Grade Level: 1 - 7

## Customer Reviews

"Explore the wonders of earth science through 52 activities. A technical writer and longtime rock hound invites young readers to learn about geology through hands-on projects, many of which

involve models that double as tasty treats. The introduction includes a spread of labeled rock samples. Opening with a simple activity to demonstrate crystal formation using supersaturated sugar water, author Romaine goes on to explore rock characteristics, molten rock (lava), sediments, metamorphosis, entropy, our active planet, fossils, precious metals, space rocks, and rocks in art. Each chapter begins with a spread of explanation opposite a full-page photograph of the natural phenomenon under discussion. Each lab includes a list of materials, step-by-step instructions, some safety tips and enrichment suggestions, and a boxed explanation of "the science behind the fun." Each is illustrated with photos of the activity in progress, often including young experimenters (a diverse group of boys and girls) clearly enjoying their experience. The materials called for are simple and easily available. The time involved ranges from a few minutes to several days. Specialized vocabulary is defined in context. The author has spent many years doing geology with kids; his projects have obvious child-appeal. This well-thought-out collection includes many demonstrations familiar to science educators as well as some engaging new ones and would be a welcome addition to any library. Dig in for fun and learning, too!" - Kirkus Reviews

**Rocks, rocks, and MORE ROCKS.** Every child at one time or another has had a rock collection that he/she thought was absolutely wonderful. Did they know what types of rocks they had or what they were made of? Probably not. All they cared about was that they were their special rocks. This book answers those questions and more. It is written by a college professor who is also a rock hound...The goal of the book is "to understand the world we live in and to actively engage children in creative activities that reveal the larger world at work." Each unit is introduced with a beautiful photograph illustrating part of the goal for that unit plus an enticing description of what will be in that unit. Units range from two to six labs long, starting with simpler concepts and moving to more complex." - Jacqueline Pfeiffer, 3rd Grade Teacher for National Science Teachers Association (NSTA) Recommends

"This companion to Outdoor Science Lab for Kids and Astronomy Lab for Kids is structured around more than 50 experiments. It's a smart, hands-on way for kids to get a better understanding of the rock cycle, volcanism, and the formation and breakdown of rocks and minerals." Publishers Weekly

"As a dad, I love to find fun things that I can do with my girls that are easy to create but also educate my kids without them knowing that they are learning (Sneaky!!). This book allows you to do this. You can have a blast with your kids through the large number of activities presented in the book. Best of all, for the most part I found that I had most of the supplies needed for the activities." - Christopher Lewis, Dad of Divas blog

Garret Romaine has been an avid rockhound, fossil collector, meteorite hunter, and gold prospector

for many years. He is a long-time journalist, columnist, instructor, and writer, and currently teaches at Portland State University. He holds a degree in geology and a degree in geography, and is the author of many books on rock & gem collecting and identification, gold panning, geology, and the outdoors, including *The Modern Rockhounding and Prospecting Handbook*. Garret is a member of the Board of Directors for the North America Research Group, dedicated to amateur fossil collecting, and the Rice NW Museum of Rocks and Minerals, which houses one of the finest mineral collections in the U.S. He is also a member of numerous rockhounding and gold prospecting organizations.

What a fantastic book. I am a middle school science teacher and this is perfect for activities that I can do in class to supplement our content. I've read through the whole book and find the activities well thought out, relevant, and engaging, especially to kids who like food. I can see how this would be a great resource for home school parents to use, considering the activities require common things found in the home or easily purchased at a store. I think scout instructors could really benefit from this as well. I've already done the "Gutter Magic" myself and it worked. I found hundreds of cool little micrometeorites and some even have Gold on them! The activity I'm most excited to try this next school year is the "Crystal Garden." We have the rock cycle as part of Next Generation Science Standards in 6th grade. This fits, plus we can tie it in to a previous units on states of matter and particle motion, as well as physical and chemical changes. For my higher-level learners, they can take project instructions home where their families can participate. Then, they can bring the results back to school to share with their classmates.

This was sent to my grandson in the USA for his birthday. His comment was "Awesome". I assume he approved. Many thanks.

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