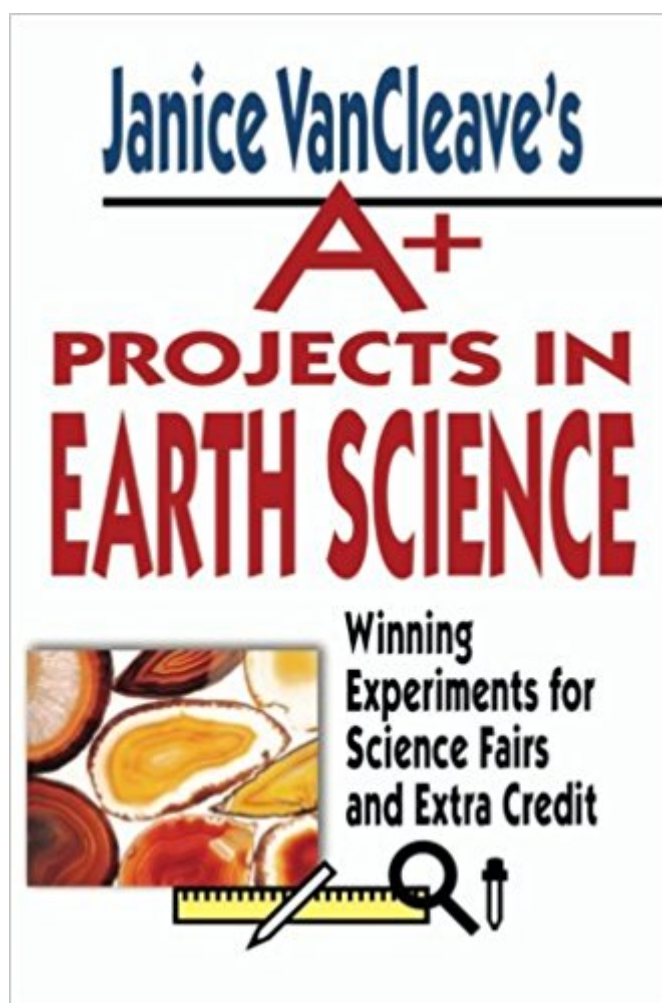


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# Janice VanCleave's A+ Projects In Earth Science: Winning Experiments For Science Fairs And Extra Credit



## Synopsis

Janice VanCleave's A+ Projects in Earth Science The newest volume in the bestselling A+ Science Projects series! Are you having a hard time coming up with a good idea for the science fair? Do you want to earn extra credit in your science class? Or do you just want to know more about how the world around you works? Janice VanCleave's A+ Projects in Earth Science can help you--and the best part is, it won't involve any complicated or expensive equipment. This step-by-step project book explores 30 different topics and offers dozens of experiment ideas. The book also includes lots of charts, diagrams, and illustrations. Here are just a few of the topics you'll be investigating: \* Rocks and minerals \* Meteorology \* Oceanography \* Plate tectonics \* Air fronts \* The greenhouse effect You'll be amazed how easy it is to turn your own ideas into winning science fair projects! Also available: Janice VanCleave's A+ Projects in Biology Janice VanCleave's A+ Projects in Chemistry

## Book Information

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Age Range: 12 - 17 years

Grade Level: 7 - 12

## Customer Reviews

Grade 7 Up This entry in a popular series includes topics such as rocks and minerals, the solar system, earthquakes, oceans, and weather. Each project begins with a brief introduction and then outlines the purpose, materials needed, step-by-step procedures, expected results, and an explanation of the principles involved. Guidelines for designing additional experiments and a list of resources for further research follow each activity. Students will appreciate the clear, organized

instructions and the fact that most of the projects use such ordinary household items as soda bottles, kitchen utensils, rulers, and string. Robert L. Bonnet and Daniel Keens *Earth Science: 49 Science Fair Projects* (McGraw-Hill, 1989) is similar in scope, but VanCleave's title is much more detailed and has a more advanced vocabulary. Like the authors previous books, this one teaches young people that science is learned not by reading textbooks but through systematic, hands-on experimentation. It makes a rock-solid addition to library collections. Dawn Amsberry, formerly at Oakland Public Library, CA Copyright 1999 Reed Business Information, Inc.

Earth science is one of the most popular science fair project subjects. The 30 Earth science experiments featured in this latest volume of the bestselling Janice VanCleave's *A+ Science Fair Projects* were specially designed to help junior high and high school students develop their own ideas for blue-ribbon science fair projects. The book covers 30 key earth science topics in the categories of earth and space, geology, the changing Earth, meteorology, and oceanography.

All of Janice VanCleave's science books are wonderful, this earth science book is no exception. I had these for our children growing up and bought this one and other Janice VanCleave books for my son's girlfriend who is a first year earth science teacher. My kids all enjoyed doing experiments out of this book and I am positive her students will also.

Ideal for anyone experiments with everyday items around the house that explores earth science and geology.

An award-winning science teacher and science fair judge, Janice VanCleave took copious notes about criteria shared among the very best exhibits. This book details the winners by explaining how and why to replicate results, without spoiling the journey of discovery inherent to each project. Its beauty is in harnessing the enthusiastic yet un-focused student to pinpoint a broad area of interest, creating a project using the Scientific Method applicable to a dozen Earth Science specific topics. The entire book is a winner, helping students design a project using the Scientific Method but also to communicate those results in a clearly visual manner on 3-sided Foam-Core Project Board. Presentation is critical: a brilliant project may be wasted if its intricacies completely escape the viewer. Ms VanCleave shows how to navigate the 'marketing' portion of the board in addition to keeping a strictly scientific approach to recording data. Recommend this book to fifth grade children and up. It is worth every penny, especially if you have more than one child in school at a time.

I really admire this interesting book. It has not only inspired me but it has given me the impression that this is the book that I would like to put to use!

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