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Janice VanCleave's 201 Awesome, Magical, Bizarre, & Incredible Experiments



Synopsis

How do honeybees find their way home? Why is Venus so hot? How can you measure the speed of the wind? What makes a sound loud or soft? Discover the awesome answers to these and other fascinating mysteries in biology, chemistry, physics, earth science, and astronomy. Just try these 201 fun, safe, low-cost experiments at home or in the classroom. You'll look through a drop of water to find out how a magnifying lens works. Using a Styrofoam ball, a pencil, and a lamp, you'll learn why the Moon appears and disappears. With just a jar and some ice cubes, you can demonstrate how rain is formed. Each experiment includes an illustration and easy to follow step-by-step instructions. This companion volume to the enormously popular 200 Gooey, Slippery, Slimy, Weird, and Fun Experiments brings together magical projects from Janice VanCleave's Science for Every Kid and Spectacular Science Projects series--plus 40 all-new experiments that make science come to life. Children Ages 8-12

Book Information

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Age Range: 8 - 12 years

Grade Level: 4 - 7

Customer Reviews

Grade 3-6-Van Cleave writes books designed to show students that science is fun, and this latest collection does just that. The book recycles activities selected from her "Science for Every Kid" and "Spectacular Science Projects" series and adds 40 new ones. They are organized by field: astronomy, biology, chemistry, earth science, and physics; the purpose, materials needed, procedure, results, and an explanation are included for each demonstration. The author writes in a clear, easy-to-understand style. Terms that are defined in the glossary appear in bold type. Cautions

are noted in italics. A black-and-white diagram of the setup accompanies each project. The step-by-step procedural approach and the inclusion of a statement of what the results should be make these demonstrations rather than experiments. Nonetheless, they are interesting and most of them can be done by youngsters at home. The book will be especially useful to teachers looking for ideas that can be adapted as hands-on activities. Carolyn Angus, The Claremont Graduate School, CA
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A treasury of science experiments designed to show children that science is more than a list of facts--it is fun! Guides kids through the steps necessary to successfully complete an experiment, teaching them the best method of solving problems and discovering answers. 201 short experiments cover five different fields--astronomy, biology, chemistry, earth science and physics.

We use this book with Classical Conversations and I absolutely love it. The Experiments are easy to understand and uses materials that are around the house are at least easy to find. It follows the scientific method, What is the purpose, what are your materials, work the procedure, show the results, it even explains why the experiment works instead of leaving you hanging on doing something from a Pinterest fail. I highly recommend any of Janice VanCleave's Science books and experiments.

Great book with lots of quality experiments that are easy to do at home. We are thoroughly enjoying the experiments. My only criticism is that the relationship to the scientific method and scientific principles are somewhat difficult to discern for those without a strong science background.

This book is easy to understand and great for homeschooling parents and kids. Everything is simple yet gives great illustrations for every concept a student will need going through school.

Saw this in a recommended for you section when purchasing another book. So glad I did!! I've been looking for a condensed form of pinterest science for young kids and this is it! The experiments are pretty quick and simple but very interesting to early learners. The materials are all pretty basic so you would have most of it around the house already. I love that it gives a clear purpose and explanation with each experiment. Purchased a used version as well and saved some money!

Not really a fan of this book, needed as a tutor for Classical Conversations. The experiments are

simple to do at home, but most are pretty dull.

Lots of experiments & explanations.

Simple, basic experiments that help me and my children start discussing more complex scientific concepts. I love that most of the experiments use common things I can find around my house and don't take a lot of time to perform, but still leave an impression and help our scientific discussions.

Super easy to follow but interesting science experiments. It's been a good complement to our homeschooling science work.

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