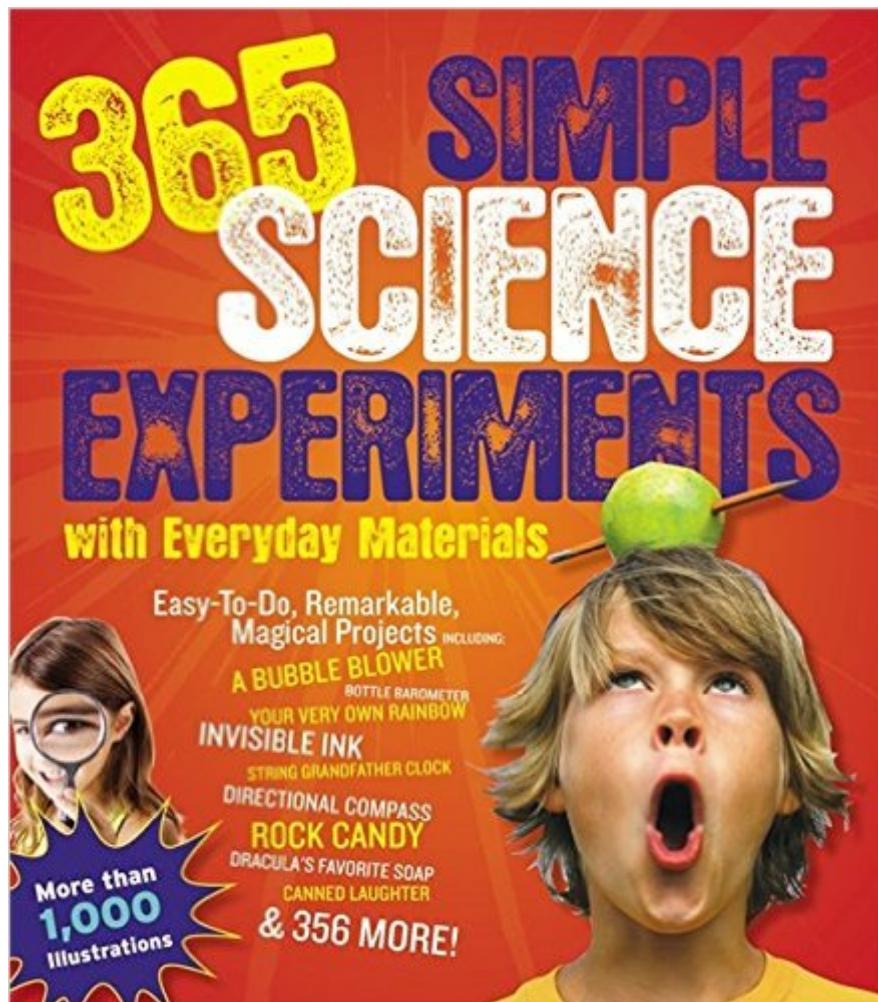


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# 365 Simple Science Experiments With Everyday Materials



## Synopsis

Now in paperback, Black Dog's classic collection of science experiments. With 365 easy-to-follow, hands-on projects, kids 9-12 can be excited about science every day of the year. One of the best ways to learn the fundamentals of science is through hands-on experimentation with familiar, every-day objects. Through the hundreds of activities in 365 Simple Science Experiments kids gather an understanding of important scientific principals while at the same time enjoying making things fizz, bounce, and ooze using basic objects and ingredients they can find around the house. Projects include a bubble blower, a bottle barometer, an undersea water fountain, invisible ink, a directional compass, rock candy, and a rainbow. Through these engaging experiments kids learn about gravity, electricity, magnification, magnetism, oxidation, and more. 365 Simple Science Experiments is perfect for kids who like to explore the wonders of the natural world. It's also a great activity book for any kid, any time.

## Book Information

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Average Customer Review: 4.4 out of 5 stars See all reviews (56 customer reviews)

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Age Range: 8 - 13 years

Grade Level: Preschool and up

## Customer Reviews

I would have given this 2.5 stars if possible. This review applies to all the books in this series, not just this particular one. The book's strengths: (1) Truly simple experiments that make science fun and give it a "Wow" factor for children. Everybody can follow the simple instructions in this book. (2) Seeing science done with ordinary objects takes science out of the elite laboratory and puts it into context of everyday life. (3) Even adults can learn so much about how everyday items and

phenomena are related to science. The book's weaknesses: (1) Explanations of the science behind the experiments are too brief and vague. (2) For too many of the experiments the directions are incomplete at best, and sometimes just not adequate at all. The big majority of the experiments will work, but for the several that don't, the teacher/parent is left saying, 'What went wrong?' You can follow all the directions perfectly, but poor directions don't make an experiment work. Sometimes it's an issue of needing more detail, but sometimes it's an issue of the directions themselves not working, no matter how much detail would have been given. For example, the directions for making Rock Candy (to see the shape of sugar crystal growth) are ludicrous. They wouldn't work no matter how hard you tried. But, the directions for making salt crystals are just fine, and we have some beautiful cubic salt crystals to see now. Overall, I like these books. I'm very glad to have such easy-to-put-together and fun experiments for us to do at home. But... I'm always prepared for something to backfire, I read with a discriminating eye and the benefit of an extensive science background, and if an experiment promises to deliver something "too cool" with simple instructions, I always search the net first.

I've picked up many books which claim to demonstrate science with "everyday materials." Most times the "everyday materials" are not something I keep on hand. Like cheesecloth. Who keeps cheesecloth on hand? But the demonstrations in this book really are simple and really do include basic household supplies. I've used the book with my five year old and have found the demonstrations and explanations to be thorough enough to engage his interest. And I've enjoyed myself too!

Simple fun filled experiments which easily captures children's attention. What is outstanding is the huge spectrum of experiments -- indoor - outdoor, simple - complex, tips & tricks and the list goes on. Thanks to this book my daughter interest has increased to the extent that she now wants to participate in Science Fairs. Clearly a very useful book that every family should benefit from.

I am a science teacher and believe strongly in a hands-on approach for learning, especially to apply science theory to real life. Without the application, it is all just science mumbo-jumbo. I have taught for fifteen years, and teach a science class created for me by my principal. This is my third year of teaching this class. I bought this book to add to my library of resources, but have not found one new or creative idea in this book. I would recommend this book for students in the third grade or younger. There are few steps to the activities, there is minimal critical thinking, and, frankly, the

activities are boring. We live in the science land of CSI and older children and middle school children are no longer interested in seeing the celery change color as it absorbs water containing food coloring (this wonderfully new idea is in the book).Instead, I recommend getting books by Mr. Wizard, Beakman's World, or Bill Nye.They have great activities, correct science explanations, and have great "wow" factor.

This two-volume series is a great introduction to hundreds of simple scientific experiments, each involving modest materials that are easy to find and instructions that are easy to read, accompanied by friendly cartoon illustrations. The series seems to be written for children to read -- a precocious ten-year old should be able to do most of these experiments, although people of all ages will find these activities exciting and fun.Adults can certainly use this book as a guide for science exploration -- you might want to read ahead and try some experiments in advance, to make sure the instructions make sense and get the intended results. Although the scientific principles are explained in general terms, the book is designed to keep the text to a minimum, so the scientific chatter is perhaps less thorough than some parents or teachers might like... If it's important, you can research the principles elsewhere had prepare more in-depth explanations using other sources of information. For the most part, though, these books are pretty brilliantly planned: the experiments are easy to reproduce and the scientific principles are mostly pretty self-evident. We've had a lot of fun using these books, and I'm sure you will as well... Highly recommended! (Joe Sixpack, ReadThatAgain children's book reviews)

I like science now. I used to hate science until I got this book. Even though some of the experiments don't work, there is a lot of interesting facts. I learned alot about what happens to some of the experiments. Buy this book!

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