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Pop Bottle Science



Synopsis

It's pure bottled magic! A complete kit that ingeniously marries science and fun in the breakthrough vein of *The Bug Book & Bug Bottle* (1.7 million copies in print) and *The Bones Book & Skeleton* (1.65 million copies in print), *Pop Bottle Science* presents 79 easy, hands-on experiments that probe the worlds of chemistry, physics, biology, geology, weather, the human body, and even astronomy. The Pop Bottle bottle is a perfect miniature science lab--see-through, flexible, air-tight when necessary, made out of a durable, shatter-proof plastic and designed with a removable top that doubles as a funnel. The Pop Bottle book is a lively, fully illustrated 96-page guide to astonishment. Each experiment begins with a challenge and ends with an explanation of the scientific principles involved. Kids can design a volcano and watch it erupt. Create a tornado-maker and see how twisters work. Make quicksand--is it solid or liquid? Observe photosynthesis in action. Simulate Jupiter's giant red spot, investigate buoyancy, demonstrate inertia, and discover the Bernoulli principle--which allows planes to fly. Plus, turn the bottle into a barometer, a thermometer, walkie-talkie, trombone, compass--or groovy lava lamp.

Book Information

Lexile Measure: 800L (What's this?)

Misc. Supplies: 128 pages

Publisher: Workman Publishing Company; Nov edition (September 1, 2004)

Language: English

ISBN-10: 0761129804

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Product Dimensions: 4.2 x 4.2 x 12.2 inches

Shipping Weight: 12 ounces (View shipping rates and policies)

Average Customer Review: 3.6 out of 5 stars 85 customer reviews

Best Sellers Rank: #192,033 in Books (See Top 100 in Books) #78 in *Books > Science & Math > Experiments, Instruments & Measurement > Experiments & Projects* #111 in *Books > Children's Books > Science, Nature & How It Works > Experiments & Projects*

Age Range: 8 - 12 years

Grade Level: 4 - 6

Customer Reviews

Lynn Brunelle, a four-time Emmy Award-winning writer for Bill Nye the Science Guy, is the author of *Pop Bottle Science* and *Camp Out!* She lives on Bainbridge Island, Washington, with her

husband and two children.

One after another, our experiments failed because either air or liquid leaked out the mid-bottle notches where the halves are meant to 'lock' together. Not sure why - when you need to have a really tight seal - it wouldn't fully screw shut or have some kind of rubber around the joint or something!! Surprisingly cheesy construction. We were really disappointed. Will return it.

First time we used this it was broken. My son was excited and talked all day about doing experiments. We picked a very simple experiment, the Bottle Cloud. It requires you to put water in the bottle and then shake. The problem is, the bottle is not water tight and it leaks water all over the floor. I will be reaching out to the manufacturer and will advise the response I get. Not pleased, and now have a very disappointed child.

The book that is included with the set is great. While I understand why it is a 2 part bottle, after using it with some of the experiments (that ended up NOT working) I believe it was because the bottle was not air tight. We tried some of the experiments with a regular 2 liter bottle and they worked much better. I think it would work even better using a personal size, or smaller size soda bottle. Also, I would invest in some additional balloons, a gallon of vinegar and a large container of baking soda. I purchased this for my 4 year old (I know he is a little young), but a lot of the experiments would need adult supervision.

Not really what I expected...although one of my students loves the balloons that came with....

This has so many science projects and my brother loves it. My only objection is that some of the projects call for a sealed bottle and this isn't air tight. We did a volcano type project and the mixture came out of the part where the top and bottom screws together. However, if you have a 2 Liter bottle laying around, it would fix its problem.

I personally think this is very cheap quality as the bottle broke the first time we used an experiment. but some of the ideas in the book are neat and I can use a regular pop bottle.

Kids love it.

Really cute and fun, but A LOT of the experiments require an additional pop bottle. I wish it came with a spare so I didn't have to feel like a wasteful person buying something just to dump it out... I don't drink soda, I am not sure what else I would do with it.

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