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The Spinning Blackboard And Other Dynamic Experiments On Force And Motion



Synopsis

Bring the fun of a world-famous science museum into your own classroom or home! THE EXPLORATORIUM SCIENCE SNACKBOOK SERIES "Clear, concise, and visual--the best assortment of wonder-filled ideas I have seen. A must-have."--Paul Hewitt, author of Conceptual Physics "Almost as much fun as exploring the Exploratorium, which, of course, is a googolplex of fun."--Jearl Walker, author of The Flying Circus of Physics, with Answers Now you can do your own version of 23 Exploratorium experiments on force and motion. All you need is a little curiosity, a few simple materials . . . and this book. Each experiment is easy to do, fully illustrated, and loaded with advice, ideas, helpful hints, and electrifying discoveries. Build a pendulum that swings in intriguing patterns. Create a swirling, spiraling "tornado" of water. Through these and other projects in The Spinning Blackboard, you can learn the science behind the principles of force and motion. Also available in The Exploratorium Science Snackbook Series: The Cheshire Cat and Other Eye-Popping Experiments on How We See the World The Magic Wand and Other Bright Experiments on Light and Color The Cool Hot Rod and Other Electrifying Experiments on Energy and Matter

Book Information

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Age Range: 8 - 14 years

Grade Level: 4 - 9

Customer Reviews

Grade 6 Up?Twenty-three demonstrations and experiments illustrating Newtonian laws of force and

motion, based on exhibits at a hands-on science museum in San Francisco. The projects are easy to assemble. Some materials may be ordered from the Exploratorium, but directions for using substitutes are given. Each experiment, called a snack, includes a list of materials, instructions, things to do and notice, and an explanation of "What's Going On?" In some cases there are directions for assembling apparatus of two different sizes, appropriately called large and small snacks. All the projects are fun and can be used for recreation as well as in the classroom. Pen-and-ink drawings and black-and-white photographs are especially helpful in clarifying the procedures. An innovative and creative collection. Margaret M. Hagel, Norfolk Public Library System, VA Copyright 1996 Reed Business Information, Inc.

The 23 experiments in this fun and educational text are designed to help teachers, parents, and students examine some of the physical principles they use in everyday life. These simple-to-perform projects are miniature versions of some of the best exhibits in the Exploratorium Science Museum. Contains a list of the materials needed, how to find them, assembly instructions, helpful hints, as well as numerous photographs and line drawings.

I would recommend any of the Exploratorium books. They have very "do-able" activities that can be dramatic and make their point clearly. This one has some repeats of other Exploratorium books, as well as new ideas. I work with elementary science students (from pre-K to 5th grade) and these books are jewels in my planning, especially for my middle elementary kids.

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