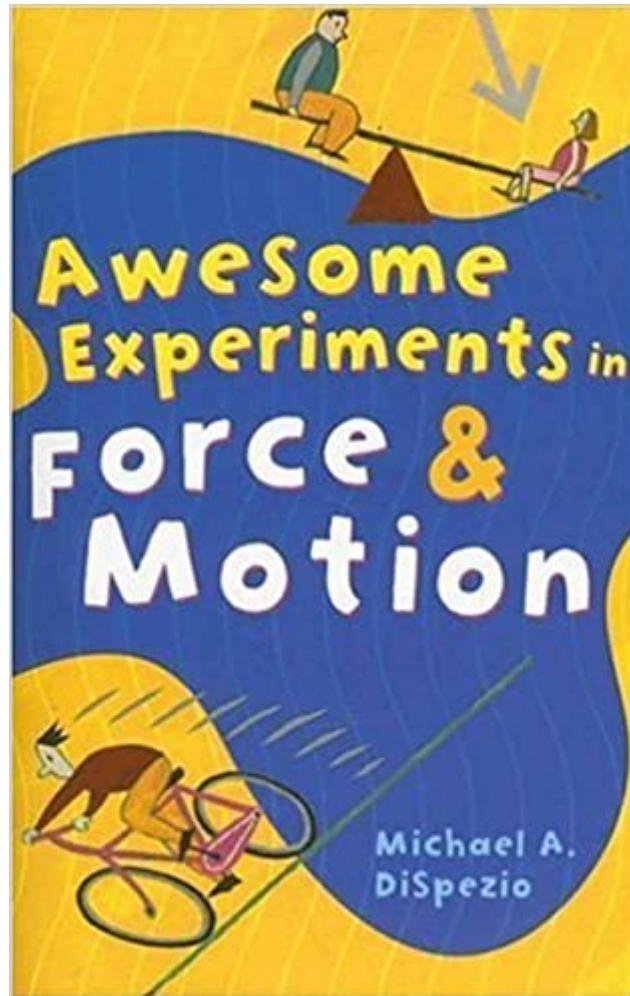




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Awesome Experiments In Force & Motion



Synopsis

"...Easy to duplicate, [these experiments] demonstrate the intended principles and encourage critical thinking. The author's style is lighthearted but clear."--School Library Journal
The force is with us--and these experiments prove it. Whether kids are creating soap-powered fish or sending potato pieces flying into the sky, every activity is as educational as it is entertaining. Demonstrate inertia with a super-amazing Card Shot trick that seems magical but is a simple matter of science. Locate the center of gravity by checking out where a cardboard rocket ship lands (there's a picture to trace to help you make the rocket), and create your own "great salt lake" in the kitchen to demonstrate buoyancy. Ordinary, easy-to-find materials are all you need to get moving on these fun-filled investigations.

Book Information

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

Series: Awesome Experiments in

Paperback: 160 pages

Publisher: Sterling (June 28, 2006)

Language: English

ISBN-10: 1402723717

ISBN-13: 978-1402723711

Product Dimensions: 8.2 x 5.4 x 0.5 inches

Shipping Weight: 6.4 ounces

Average Customer Review: 4.0 out of 5 stars 1 customer review

Best Sellers Rank: #2,307,548 in Books (See Top 100 in Books) #61 in [Books > Children's Books > Growing Up & Facts of Life > Health > Weight](#) #1068 in [Books > Children's Books > Science, Nature & How It Works > Experiments & Projects](#)

Age Range: 9 - 12 years

Grade Level: 4 and up

Customer Reviews

Grade 5-8-Over 70 physics experiments are presented in five broad areas, covering inertia, buoyancy, surface tension, air pressure, and propulsion. Each entry includes a brief introduction, a list of materials needed, instructions, and a discussion of the scientific theory behind the results. This last section is what really makes the experiments meaningful. Some of the explanations raise questions concerning alternate approaches to the problem or ask readers what would happen if a

step were changed or if a different material or item were used. The activities rely primarily on inexpensive household objects for effective results. While easy to duplicate, they demonstrate the intended principles and encourage critical thinking. The author's style is lighthearted but clear. Each experiment is accompanied by at least one cartoonlike black-and-white line drawing that illustrates a step in the process. Safety warnings remind readers to enlist an adult's help whenever sharp edges, heat, or any other hazard is involved. In quality and level of the projects, this book is similar to Robert Gardner's *Experiments with Motion* (Enslow, 1995). Either one will be adequate in most collections. Jeffrey A. French, Euclid Public Library, OH Copyright 1999 Reed Business Information, Inc. --This text refers to an out of print or unavailable edition of this title.

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