



# Janice VanCleave's Physics for Every Kid: 101 Easy Experiments in Motion, Heat, Light, Machines, and Sound

By Janice VanCleave

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How do magnets work? What makes a curve ball curve? What keeps an airplane in the air? How can a pulley make you five times stronger? Now you can learn the answers to these and other questions about basic physics through 101 fun, safe, low-cost experiments and activities that can be performed at home or in the classroom. In *Physics for Every Kid*, you'll learn about gravity from funnels that seem to defy nature by rolling up hill. Using a balloon as a power source, you'll make a fluorescent light bulb glow and learn how electrons are used to produce light. And you'll levitate a Ping-Pong ball to understand aerodynamics. Each of the 101 experiments is broken down into its purpose, a list of materials, step-by-step instructions, expected results, and an easy to understand explanation. Every activity has been pretested and can be performed safely and inexpensively in the classroom or at home. Also available in this series from Janice VanCleave:

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### **Editorial Review**

From the Publisher

This is a physics experiment book designed for children in grades 4 to 6. Young children will be able to complete the experiments with adult supervision. Older children can easily follow the step-by-step instructions with little or no assistance. Contains 101 fully tested experiments, in each case complete with a discussion of the experiment's purpose, a list of materials, illustrated instructions, a clue to expected results and a scientific explanation in understandable terms. Most of the materials required are available around the house and all experiments are safe. Designed to make the learning of physics a rewarding and fun experience and to encourage kids to seek more knowledge about science.

From the Back Cover

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About the Author

**JANICE VANCLEAVE** is a former school science teacher and a captivating presenter at museums, schools, and bookstores nationwide. She is the author of more than twenty other science books for children.

### **Users Review**

**From reader reviews:**

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**Esther Tackett:**

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