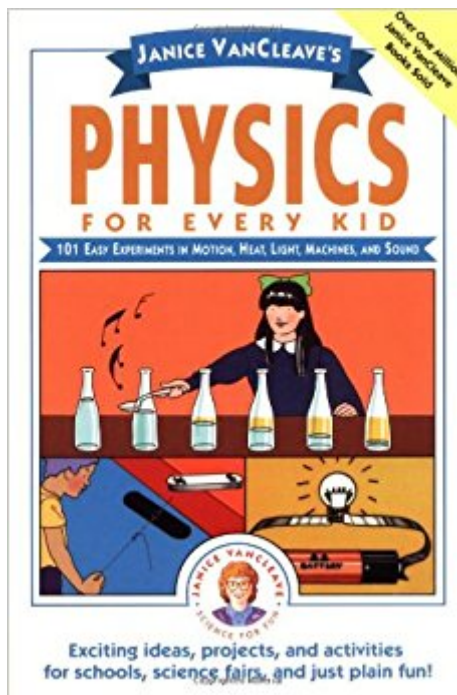




The book was found

Janice VanCleave's Physics For Every Kid: 101 Easy Experiments In Motion, Heat, Light, Machines, And Sound



Synopsis

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: *Astronomy for Every Kid*, *Biology for Every Kid*, *Chemistry for Every Kid*, *Dinosaurs for Every Kid*, *Earth Science for Every Kid*, *Geography for Every Kid*, *Geometry for Every Kid*, *The Human Body for Every Kid*, *Math for Every Kid*

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Age Range: 9 - 11 years

Grade Level: 4 - 6

Customer Reviews

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.

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: *Astronomy for Every Kid* *Biology for Every Kid* *Chemistry for Every Kid* *Dinosaurs for Every Kid* *Earth Science for Every Kid* *Geography for Every Kid* *Geometry for Every Kid* *The Human Body for Every Kid* *Math for Every Kid*

I would highly recommend Janice VanCleave's *Physics For Every Kid*. I am a 6th & 7th grade science teacher and have used activities from this book numerous times. There are so many tough concepts in physics and sometimes all it takes is a simple activity that the kids can see. The way I use the activities in this book, along with the others in this series, are to set them up as stations and have the kids rotate through them. It's an easy way to create hands-on learning and the kids LOVE it! This book is divided up into these categories: electricity, magnets, buoyancy, gravity, balance, flight, simple machines, inertia, motion, light, heat, and sound. I think the activities in this book are intended for grades 4-6, but could be adapted for younger or older kids. You won't be disappointed!

I use the labs in this book by altering them from cookbook labs to exploratory labs. I remove all of the explanations and some of the procedures. The students are provided with the materials and then tasked to develop and explain. it is a great way to address misconceptions and the students love

doing them. I have used this book in high school physics and middle school science.

my grandson (10) loves the experiments as he expands his horizons learning the physical machinations. i wish i'd had one when i was a kid. i hope the book inspires him to pursue physics and the sciences. who knows, maybe one day he'll become a physicist like albert einstein!

good enuf

Usable and just what I needed. I can use these to meet NGSS rolling out.

Very prompt delivery - Recommend

Pretty darned basic nothing really exciting.

Simple experiments presented in a simple way ready to be done !!! Excelent !!!

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