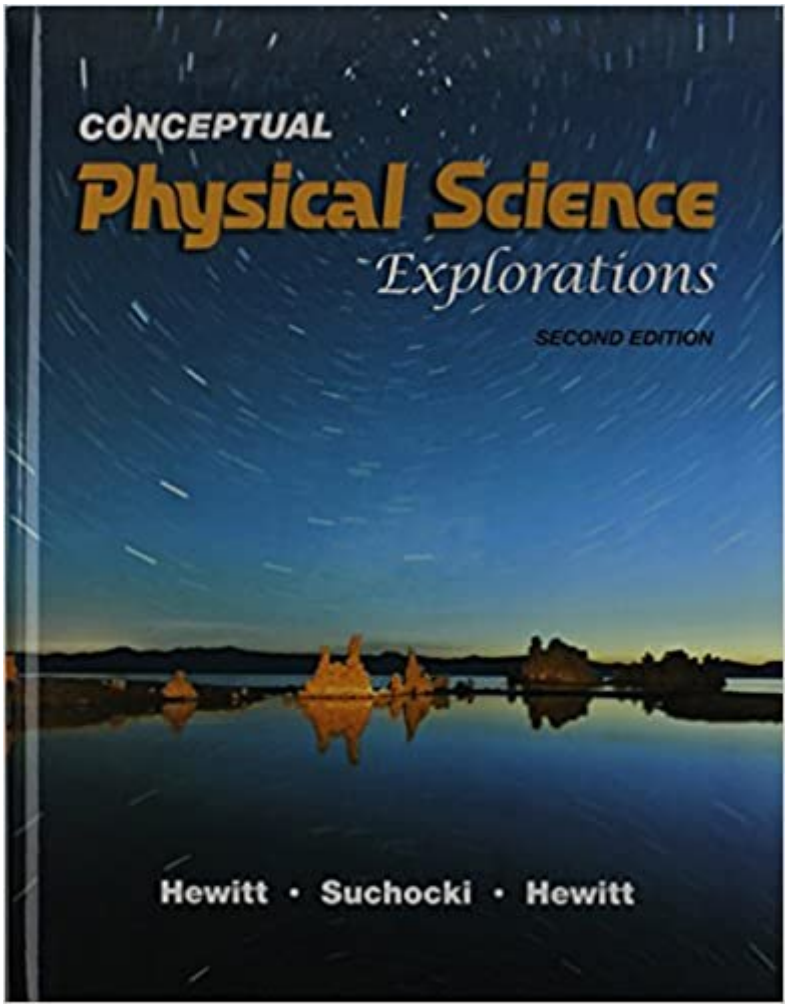
Conceptual Physical Science Explorations



Synopsis

Focused on the idea that the rules of the physical world can be taught using a conceptual approach that emphasizes qualitative analysis, the Hewitt team has created a book that is highly readable, flexible, and hands-on. Thirty-four concisely written chapters allow you to better select topics to match your course and the needs of your readers in a one- or two- semester course. "Conceptual Physical Science Explorations, 2/e "presents a clear and engaging introduction to physics, chemistry, astronomy, and earth sciences. The authors use analogies and everyday examples to clarify key concepts and help readers better understand the world around them. The textbook’s consistent, high-quality coverage stimulates active learning with critical thinking exercises, hands-on experiments, review questions, and quantitative problems. "Conceptual Physical Science Explorations"is less rigorous in coverage and written more simply than Conceptual Physical Science, Fourth Edition, and directed primarily to college courses where students are less well prepared, and in some cases, remedial. About Science, Newton’s First Law of Motion - Inertia, Newton’s Second Law of Motion - Force and Acceleration, Newton’s Third Law of Motion - Action and Reaction, Momentum, Energy, Gravity, Fluid Mechanics, Heat, Electricity, Magnetism, Waves and Sound, Light and Color, Properties of Light, The Atom, Nuclear Energy, Elements of Chemistry, How Atoms Bond and Molecules Attract, How Chemicals Mix, How Chemicals React, Two Types of Chemical Reactions, Organic Compounds, The Chemistry of Drugs, Nutrition, Rocks and Minerals, Earth’s Interior, Plate Tectonics, Earth’s Surface Features, Earth History Over Time, Oceans andAtmosphere, Driving Forces of Weather, The Solar System, Stars and Galaxies, The Structure of Space and Time. Intended for those interested in learning the basics of conceptual physical science.

Book Information

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Customer Reviews

Focused on the idea that the rules of the physical world can be taught using a conceptual approach that emphasizes qualitative analysis, the Hewitt team has created a book that is highly readable, flexible, and hands-on. Thirty-four concisely written chapters allow you to better select topics to match your course and the needs of your readers in a one- or two- semester course. "Conceptual Physical Science Explorations, "Second Edition presents a clear and engaging introduction to physics, chemistry, astronomy, and earth sciences. The authors use analogies and everyday examples to clarify key concepts and help readers better understand the world around them. The book’s consistent, high-quality coverage stimulates active learning with critical thinking exercises, hands-on experiments, review questions, and quantitative problems. "Conceptual Physical Science Explorations "is less rigorous in coverage and written more simply than "Conceptual Physical Science, " Fourth Edition, and directed primarily to college courses where readers are less well prepared, and in some cases, remedial. The Second Edition features updated content, new Chapter Opening statements, and more. About Science, Newton’s First Law of Motion - Inertia, Newton’s Second Law of Motion - Force and Acceleration, Newton’s Third Law of Motion - Action and Reaction, Momentum, Energy, Gravity, Fluid Mechanics, Heat, Electricity, Magnetism, Waves and Sound, Light and Color, Properties of Light, The Atom, Nuclear Energy, Elements of Chemistry, How Atoms Bond and Molecules Attract, How Chemicals Mix, How Chemicals React, Two Types of Chemical Reactions, Organic Compounds, The Chemistry of Drugs, Nutrition, Rocks and Minerals, Earth’s Interior, Plate Tectonics, Earth’s Surface Features, Earth History Over Time, Oceans and Atmosphere, Driving Forces of Weather, The Solar System, Stars and Galaxies, The Structure of Space and Time. Intended for those interested in learning the basics of conceptual physical science. --This text refers to the Paperback edition.

Paul G. Hewitt was a Silver Medallist Flyweight Boxing Champion for New England State at the age of 17. He was then a cartoonist, sign painter, and uranium prospector before beginning his physics studies.Hewitt’s first book, "Conceptual Physics," now in its Ninth Edition, was published in 1971, while he was teaching at City College of San Francisco. He has also served as a guest lecturer at the University of California at Berkeley, the University of California at Santa Cruz, the University of Hawaii at Manoa, and most recently at the University of Hawaii at Hilo. Hewitt recently retired from

teaching at the City College of San Francisco and at San Francisco's world-famous science museum, the Exploratorium. John Suchocki received his Ph.D. in organic chemistry in 1987 from Virginia Commonwealth University, where his research focused on the isolation and characterization of natural products. After a two year post-doc in medicinal chemistry/pharmacology at the Medical College of Virginia, John became a visiting assistant professor of chemistry at the University of Hawaii at Manoa where he began working with his uncle, Paul Hewitt, on "Conceptual Physical Science," After a couple of years at the Manoa campus, John transferred to and eventually received tenure from Leeward Community College, one of the University of Hawaii's community colleges. At Leeward CC, his research efforts turned to chemical education, with particular emphasis on liberal arts chemistry courses and distance learning technology. After a decade in Hawaii, John relocated to Vermont with his wife and three children, where he now teaches liberal arts chemistry at Saint Michael's College. Concurrent to his writingand teaching careers, John is also the writer of "Conceptual Chemistry," now in its Second Edition, and a producer of multimedia content for science education, including his "Conceptual Chemistry Alive!" CD-ROM series. Leslie Hewitt, a former teacher at Westlake Elementary School in Daly City, CA, received her B.A. in Geology from San Francisco State University.

I purchased this student book and the Companion Teacher's Edition for my 8th grader who is home-schooled. He takes his class with a certified teacher one day per week at an establishment for home schooled children, and is given his assignments, which we carry out the rest of the week. I couldn't live without this book for myself and the Teacher Editiion to go along with it. Not to mention the education I am getting. I of course had Physical Science in school, but it's even more fun the second time around. This book is a great read, even if you're not home schooling. The whys and hows of the way our physical world works is fascinatiing to learn or be reminded of. We take it all for granted.

Great

Book is good has many examples and it is informative and it helps you figure out some experiments but lacks clearness in some parts.

great

Excellent

I can’t say enough wonderful things about this text book. We have used it this year with our 2 7th grade boys. It is a challenging for a middle schooler, but good for kids who like science.

purchased for school. received in good condition and as planned. Great customer service and no problems at all, thank you!

Has been perfect for the Physics class, and a lot more affordable for someone trying to put himself through college.

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