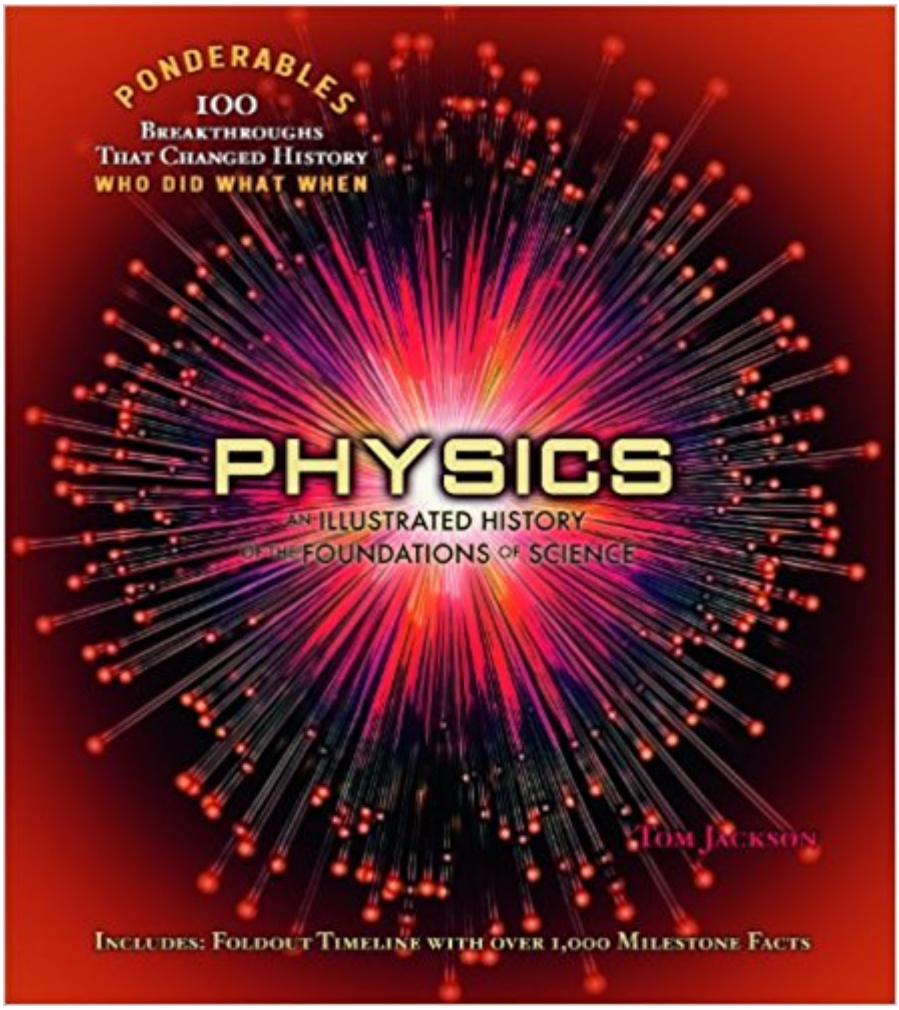
Physics: An Illustrated History Of The Foundations Of Science (Ponderables 100 Breakthroughs That Changed History Who Did What When)

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Synopsis

The fourth addition to the Ponderables series, Physics: An Illustrated History of the Foundations Science follows famous scientists and other experts through the ages as they unravel the fabric of the universe to reveal the array of fundamental forces, intangible articles, and indestructible energy that make up one of our core scientific studies. Filled with glorious color photos, imagery and diagrams, this authoritative volume even includes a simple physics guide and timeline that add new context to the fresh mysteries such as Higgs Boson, supersymmetry, and dark energy. Biographies of the great physicists plus 100 chronological articles on the history of physics build on the popular Who did what when? Ponderables trademark. In a world where technology and science have become familiar and exciting subjects, Physics finally lays wide open one of science s more mystifying facets, the knowledge without which everything else from astronomy to zoology would simply be meaningless conjecture.

Book Information

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Customer Reviews

"Information is accessible and interesting, while an appealing layout features illustrations and photographs on every page...well suited to the casual reader with an interest in the topic."Ã¢â ¬â •Booklist "This broad overview for the general readerÃ¢â ¬â •and for YA and high school studentsÃ¢â ¬â •can serve as a springboard to deeper study for those whose interest it piques. Recommended."Ã¢â ¬â •School Library Journal"This is exactly the kind of engaging book I loved to have in my classroom library."Ã¢â ¬â •TeachForever.com REVIEWS FOR THE

PONDERABLES SERIES "Graphically stunning, browsable volumesÃ¢â ¬Â¦feature gorgeous layouts and short, intelligent paragraphs."Ã¢â ¬â •School Library Journal"A good overview of the subject for beginnersÃ¢â ¬Â¦These fun science titles encourage understanding and explorationÃ¢â ¬Â¦a great pick for middle- and high-school students."Ã¢â ¬â •Booklist"Mesmerizing stories, intriguing facts, and lavish illustrationsÃ¢â ¬Â¦make these books not only useful but keepsakes for future generationsÃ¢â ¬Â¦Great additions to any home library for kids of all ages!"Ã¢â ¬â •MoviesMusicAndMoreBySharon.blogspot.com"Readers are immediately drawn to the colorful, detailed photographs, artworks, and diagrams."Ã¢â ¬â •BookPleasures.com"They're all beautiful. They'd make an awesome bar mitzvah gift."Ã¢â ¬â •Tablet Magazine"They explain how the world works! It doesn't get any better than that."Ã¢â ¬â •MassMoms.com

Tom Jackson has written more than 80 books and contributed to many more, covering everything from axolotls to Zoroastrianism. He studied zoology at the University of Bristol in the UK, where he lives with his family.

There is all the history of physics in this high quality full color book, and also a foldout timeline, all illustrated! At the end of the book there is a section of the physics basic concepts, making this book complete for any student.

Very cool book, lots of awesome stuff in it. Very enjoyable for some casual browsing.

My grandsons love the whole series. Quality printing and binding

I have 4 by this author, all excellent for browsing and referenceExcellent historic view of Physics and the associateddiscoveries.

Great book. Excellent condition.

Building up a motivational library for my daughter. Enjoyed the books so much, I bought the entire series after initial purchase of The Elements. Perfectly illustrated and short enough for those with developing attention spans. Subjective further study may be called for at a later stage, but this is a great way to foster the will to do so.... Love it, sincerely...

Title: Physics - An Illustrated History of the Foundations of ScienceEditor: Tom JacksonPublisher: Shelter Harbor PressISBN: 978-0-9853230-6-6"Physics is the foundation of all science. Without it all of our other knowledge would crumble and collapse. We can now study nature at the smallest scales, but there is a lot that this science has still to discover," Tom Jackson states in the introduction of his book, "Physics- An Illustrated History of the Foundations of Science."This one hundred and forty-four page hardbound book is one of the "Ponderables" series dedicated to trying to answer some of the oldest and important subjects in history. Each series discusses one hundred breakthroughs that changed history and who did what and when in a specific topic. This book caters to one hundred milestones that changed the way we perceive and understand the science of physics throughout the ages.Arranged like its predecessors, the book is separated into five categories based on time; this includes the dawn of science, the scientific revolution, from classical to modern physics, the subatomic age, and modern physics. Each breakthrough discussed is from a half page to two pages long, mentioning year discovered, by whom, and how with tidbits of interesting particulars and pictures or diagrams.After the topics, the book explains the basics of physics involving energy, mass and force, motion, waves, optics, and electromagnetism. Next there are seven interesting "Imponderables" that are yet to be ascertained, thirty-nine great physicists' profiles including their birthplace, birth and death dates, and important finding along with a notable paragraph. Finally there is a bibliography, index, and acknowledgements along with an extensive fold-out timeline with measuring the universe and inside matter information on one side and over one thousand milestone facts covering culture, world events, science, and physics on the other.Besides separating into branches of classical verses modern physics, discussions range from the theories of tides, light, atoms, and the Big Bang to scientific laws related to refraction, gas, and thermodynamics, along with discoveries by Boltzmann, Einstein, Geiger, Hawking, Hooke, Maxwell, Ockham, Plank, and Thales to name a few.Readers are immediately drawn to the colorful, detailed photographs, artworks, and diagrams, learning about pendulums, frogs' legs, ether, long-distant radio, exotic particles, quarks, and spintronics. Short biographies mention Archimedes, Averroes, Bohr, the Curies, Dirac, Franklin, Joule, Rutherford, and Tesla among many others.With the most interesting part being the unanswered "Ponderables" such as how gravity works on the quantum scale, if time is always one way, could a universe exist without life, or is space filled with sterile neutrinos, this is a wonderful gift for any science buff who wants to add an intelligent read to a coffee table.This book was furnished by Tess Woods PR in lieu a review based on the reader's opinion.

This was a great book that taught me so much! I never took Physics when I was younger, and while I knew some of the concepts, I was floored by how much I did not know. Another thing that I really liked was how this book talked directly to the reader and explained the concepts in a way that everyone could understand. Filled with amazing images you get drawn further into the book with each page that goes by. Each page itself makes you think about the issue/question that was being asked. As you "ponder" these issues, you learn so much! This makes me want to check out some of the other Ponderables books too!* I received a copy for review - all opinions are my own*

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