

Physics In Minutes Giles Sparrow

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Quantum Physics in Minutes Princeton University Press

Constellations is a guide to the night sky that focuses on these 88 distinctive patterns, revealing their often intriguing stories—?their origins, mythology, present-day significance, and the multitude of wondrous objects they contain. Complete with over 300 of the best astronomical images ever captured, a comprehensive introduction to the stars and other celestial phenomena, and a series of newly commissioned, state-of-the-art maps showing the stars that are visible from populated latitudes in both hemispheres throughout the year, this magnificent guide has all you need to know to become an expert stargazer. Step outside on a clear night, and the number of stars in the night sky can be overwhelming. Take a pair of binoculars or a small telescope with you, and a celestial vista of star clusters and clouds, knots of gas and dust, nearby planets and distant galaxies is revealed. Since ancient times, stargazers have made sense of the night sky by grouping its stars into constellations—?star patterns that often have symbolic or mythological meanings.

The Cambridge History of Medicine JHU Press

Why 60 seconds in a minute? Who invented zero? What exactly is pi? Why do mathematicians hunt prime numbers? And how can you get a number bigger than infinity? To find out, take a tour through 200 important, fascinating and unusual numbers - the easy and entertaining way to grasp mathematics. Numbers in Minutes demystifies the maths surrounding the key numbers including: zero, 1-40, negatives, percentages, prime numbers, fractions, decimals, pi, exponentials, imaginary numbers, squares and cubes, roots and powers, Fibonacci numbers, the golden ratio, millions and trillions, a googol, 'perfect,' 'kissing,' 'vampire' and 'weird' numbers, infinity, infinity+1 and other sizes of infinity... Every number is explained in a few short paragraphs with a helpful picture, making the maths simple to understand and remember.

Eduqas Physics Quercus

Secrets in the Skies delves deep into the life and discoveries of the world's most famous stargazer, Galileo Galilei, and the star-studded history of astronomy, from our prehistoric ancestors to the work of today's most brilliant scientists. In this stunningly detailed visual retelling of the birth of science, the solar system is brought to life in glorious full-colour, with breathtaking illustrations by James Weston Lewis. From his early days as a young boy in Pisa, to his fiery battles with the Roman Catholic Church, readers follow the remarkable journey undertaken by Galileo in his search for truth. As the pages turn, you can witness the ancient origins of celestial examinations, Galileo's ground-breaking invention of the telescope, his controversial trials before the Inquisition, and the crucial discoveries of the stargazer's final days.

Big Ideas in Brief Hachette UK

Since the dawn of humankind, people have looked upward to the heavens and tried to understand them. This encyclopedia takes you on an expedition through time and space to discover our place in the universe. We invite you to take a journey through the wonders of the universe. Explore the cosmos, from planets to black holes, the Big Bang, and everything in-between! Get ready to discover the story of the universe one page at a time! This educational book for young adults will launch you on a wild trip through the cosmos and the incredible discoveries throughout history. Filled to the brim with beautifully illustrated flowcharts, graphics, and jargon-free language, **The Astronomy Book** breaks down hard-to-grasp concepts to guide you in understanding almost 100 big astronomical ideas. **Big Ideas** How do we measure the universe? Where is the event horizon? What is dark matter? Now you can find out all the answers to these questions and so much more in this inquisitive book about our universe! Using incredibly clever visual learning devices like step-by-step diagrams, you 'll learn more about captivating topics from the Copernican Revolution. Dive into the mind-boggling theories of recent science in a user-friendly format that makes the information easy to follow. Explore the biographies, theories, and discoveries of key astronomers through the ages such as Ptolemy, Galileo, Newton, Hubble, and Hawking. To infinity and beyond! Journey through space and time with us: • From Myth to Science 600 BCE – 1550 CE • The Telescope Revolution 1550 – 1750 • Uranus to Neptune 1750 – 1850 • The Rise of Astrophysics 1850 – 1915 • Atom, Stars, And Galaxies 1915 – 1950 • New Windows on The Universe 1950 – 1917 • The Triumph of Technology 1975 – Present The Series Simply Explained With over 7 million copies sold worldwide to date, **The Astronomy Book** is part of the award-winning **Big Ideas Simply Explained** series from DK Books. It uses innovative graphics along with engaging writing to make complex subjects easier to understand. Shortlisted: A Young Adult Library Services Association Outstanding Books for the College Bound and Lifelong Learners list selection A Mom's Choice Awards® Honoring Excellence Gold Seal of Approval for Young Adult Books A Parents' Choice Gold Award winner

What Shape is Space? Penguin

Endorsed by Eduqas, this Study and Revision Guide supports you in preparing for your assessment and offers high quality support you can trust. / Written by experienced teachers and examiners, it provides the essential underpinning knowledge you will need to recap and revise the studies, theories and key terms. Supports the development of skills you need to correctly interpret and answer the exam questions. / Includes plenty of practice questions, with commentaries so you can see where mistakes are typically made and where extra marks can be gained. / An exam practice and technique section offers advice on how exam questions are set and marked.

Liquid Life Cambridge University Press

This is a guide to the main developments in the history of British and Irish literature, charting some of the main features of literary language development and highlighting key language topics.

The Brain in Minutes Thames & Hudson

Perfect for experienced stargazers and beginners alike, **Sky & Telescope's Pocket Sky Atlas** will have you exploring the heavens in no time! **Sky & Telescope's** celestial atlases are the standard by which all other star atlases have been judged for a half century. Now we've raised the bar again with our **Pocket Sky Atlas - Jumbo Edition**. There has never been such a wonderfully detailed atlas so handy to take on trips

and use at the telescope, thanks to its user-friendly size, convenient spiral-bound design, and easy-to-read labels. The charts show both constellation boundaries and stick figures to help you find your way.

Features of this atlas: More than 30,000 stars individually sized according to their relative brightness 1,500 deep-sky objects color-coded by type, including 675 galaxies oriented as they appear in the sky This Jumbo Edition has 6 new close-up charts, for a total of 10, depicting high-interest star fields. Labels even more legible in dim light

The Physics Book Oxford University Press - Children

Economics in Minutes condenses key economics concepts into 200 short and easily digested essays. Featuring not only fundamental ideas, such as the role of money and how the stock market works, but also subjects that are increasingly important to us today - unemployment, government debt and corporate tax avoidance, for example. **Economics in Minutes** is the ideal introduction to a complex and vital subject. Key topics are succinctly described and accompanied by illustrations, making them simple to read and easy to remember. This convenient little reference guide will allow readers to understand the theories underpinning a subject that affects our lives on a daily basis. Chapters include: Supply and demand, globalization, market failure, GDP and happiness, risk and uncertainty, living standards and productivity, Game theory, economics and culture.

Quantum Steampunk Gardner's Books

From Nobel Prize – winning physicist P. J. E. Peebles, the story of cosmology from Einstein to today Modern cosmology began a century ago with Albert Einstein's general theory of relativity and his notion of a homogenous, philosophically satisfying cosmos. **Cosmology's Century** is the story of how generations of scientists built on these thoughts and many new measurements to arrive at a well-tested physical theory of the structure and evolution of our expanding universe. In this landmark book, one of the world's most esteemed theoretical cosmologists offers an unparalleled personal perspective on how the field developed. P. J. E. Peebles was at the forefront of many of the greatest discoveries of the past century, making fundamental contributions to our understanding of the presence of helium and microwave radiation from the hot big bang, the measures of the distribution and motion of ordinary matter, and the new kind of dark matter that allows us to make sense of these results. Taking readers from the field's beginnings, Peebles describes how scientists working in independent directions found themselves converging on a theory of cosmic evolution interesting enough to warrant the rigorous testing it passes so well. He explores the major advances—some inspired by remarkable insights or perhaps just lucky guesses—as well as the wrong turns taken and the roads not explored. He shares recollections from major players in this story and provides a rare, inside look at how science is really done. A monumental work, **Cosmology's Century** also emphasizes where the present theory is incomplete, suggesting exciting directions for continuing research.

The Insect Man Quercus

Simple and accessible, **Science in Seconds** is a comprehensive, entertaining introduction to 200 key scientific ideas. Each concept is clearly realized with a helpful visual and a concise explanation. The concepts included span all of the key scientific disciplines, including Physics, Chemistry, Biology, Ecology, Biotechnology, Anatomy and Physiology, Medicine, Earth Science, Energy Generation, Astronomy, Spaceflight and Information Technology. Utilizing vivid, educational illustrations—inspired by scientific research suggesting that the brain best absorbs information visually—these compact and portable reference guides are ideal study buddies or holiday gifts, and enlightening reading for all. Hazel Muir studied astrophysics at Edinburgh University before becoming a staff editor and writer at **New Scientist**. Currently a freelance writer, she still regularly contributes to **BBC Sky At Night** magazine, and has also written for **Wired UK**. She has won international awards for her articles from the American Institute of Physics and the Acoustical Society of America. From the Trade Paperback edition.

The Hyperlinked Society Hachette UK

The heavens are alive with breathtaking beauty: from the incandescent surface of the Sun to the shimmering tail of a comet; the birth of planets to the death of stars; the dancing shadows of Jupiter's moons to the silhouettes of eclipses. **The Cosmic Gallery** contemplates the entire cosmos as a grand celestial art exhibit. In six thematically organized chapters, **Giles Sparrow** presents an array of stunning images, ranging from easily seen phenomena to the most distant and intricate galaxies, providing the reader with an exciting and beautiful new perspective on the cosmos.

Secrets in the Skies Hachette UK

Ian Crofton, former editor-in-chief of **The Guinness Encyclopedia**, has written a wide range of other general reference books, including **Philosophy (Teach Yourself Instant Reference)** and **Science Without the Boring Bits**. With **Big Ideas in Brief**, Crofton provides an accessible tour of 200 key concepts that really matter. The ideas covered come from a wide range of subjects—Philosophy, Religion, Politics, Economics, Sociology, Anthropology, Psychology, the Arts, and Science. A series of short, lively articles, accompanied by 100 illustrations, introduces a host of diverse topics, from Existentialism to Expressionism, from Consciousness to Constitutionalism, from Feminism to Free Trade, from Class to Cognitive Theory, from Reincarnation to Relativity –?all explained simply and clearly. From the Trade Paperback edition.

Physics in Minutes Quercus

This presents the fundamental physics required for a full understanding of a diverse range of chemical phenomena and techniques such as diffraction, reaction rates and nuclear magnetic resonance. The text begins with a discussion of classical and wave mechanics which allows quantum mechanics to be introduced at an early stage. The ideas presented in these early chapters are subsequently developed to deal with the traditional physics topics of kinetic theory, electrostatics, magnetism and optics. However, the text maintains a distinct chemical perspective by focusing on relevant chemical examples rather than the more hypothetical examples favored by the majority of introductory physics texts. Students will find the information presented directly applicable to the concepts and examples that they encounter throughout an undergraduate chemistry course.

Spaceflight Quercus

Now with removable planisphere! **Starfinder** lays out the universe clearly, highlighting the signposts in the sky and explaining the cosmology of the stars. Discover the wonders of the night sky with up-to-date information about the universe, including monthly charts to both the northern and southern hemisphere, and a section on observing the Moon, planets, and other bodies of the solar system.

Understanding the Universe F&W Publications Incorporated

Please note this title is suitable for any student studying: Exam Board: OCR Level: A Level Subject: Physics First teaching: September 2015 First exams: June 2017 Written by curriculum and specification experts, this Student Book supports and extends students through the new linear course whilst delivering the breadth, depth, and skills needed to succeed in the new A Levels and beyond.

Hubble Dorling Kindersley Ltd

Against the backdrop of unprecedented concern for the future of health care, 'The Cambridge

History of Medicine' surveys the rise of medicine in the West from classical times to the present. Covering both the social and scientific history of medicine, this volume traces the chronology of key developments and events.

The Astronomy Book Icon Books Company

The perfect compact reference guide for all would-be art buffs. Art historian Susie Hodge takes you on a whistle-stop international tour of all the major artistic cultures, movements, phases, developments, artists and themes, from Prehistoric art to Hyperrealism. Contents also include Greek classicism, Gothic art, the Renaissance, Baroque, Romanticism, Realism, Impressionism, Cubism, surrealism, Pop art and Minimalism.

Art in Minutes Librorium Editions

Philosophy in Minutes distils 200 of the most important philosophical ideas into easily digestible, bite-sized sections. The core information for every topic - including debates such as the role of philosophy in science and religion, key thinkers from Aristotle to Marx, and introductions to morality and ethics - is explained in straightforward language, using illustrations to make the concepts easy to understand and remember. Whether you are perplexed by existentialism or pondering the notion of free will, this accessible small-format book will help any reader to quickly grasp the basics of this highly nuanced subject. Chapters include: Truth and logic, Marxism, Communism and Socialism, Ontology, Philosophy and literature, Existence of God, Feminist theory, Consciousness, The future of philosophy.

World History in Minutes Quercus

At 7.14 a.m on 30 June 1908 a huge fireball exploded in the Siberian sky. A thousand times the force of the Hiroshima bomb, it flattened an area of remote Tunguska forest bigger than Greater London, forming a mushroom cloud that almost reached into space. What was it? A century on, and no one knows for sure. Suspects range from comets or mini black holes into the realms of science fiction and conspiracy, a laser beam fired by extra-terrestrials or an early nuclear experiment. This is an exhilarating ride around one of science's greatest mysteries....

Solar System in Minutes Quercus

The complete illustrated science encyclopedia covering the history, key discoveries, inventions and people Science- The Definitive Visual Guide reveals the story of scientific progress from the invention of the wheel to 21st-century climate solutions, including everything from ancient Greek geometry and quantum physics to the worldwide web. Explore every key moment of scientific discovery with this remarkable reference book and find out how the concepts, inventions and the individuals behind them have changed our world. With stunning artworks and authoritative information Science- The Definitive Visual Guide, now in compact format makes even complex scientific subjects easily comprehensible.