

## Physics In Minutes Giles Sparrow

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[The Human Body in Minutes](#) Quercus Publishing

Explains how different kinds of chemical reactions ranging from precipitation and combustion to polymerization and catalysis are formed, including examples, color illustrations, and real-life applications for each reaction.

Science in Seconds Penguin

Honoring the fiftieth anniversary of the first space flight, a visual study of human ventures into outer space covers the U.S. and Soviet space race, as well as the efforts of other countries around the world, chronicling the development of space technology, future planned space missions, and key accomplishments, ranging from the first satellite launch to the moon landing.

[How We Learn](#) Thames & Hudson

From the craters of the Moon to the far reaches of Orion, The Stargazer's Handbook will enable you to explore space without leaving the comforts of Earth. All you need are a pair of binoculars and a clear night sky to experience the wonders of the universe. This book will take you on a journey through space, beginning with our own moon and neighboring planets before exploring the fascinating sights of deep space- from hypergiant suns and stellar nurseries to blazing nebulae and swirling galaxies. Each star, planet, or constellation is fully illustrated and accompanied by an annotated star map, as well as close-up images that zoom in on areas of interest. Featuring up-to-date information on the latest scientific discoveries, monthly sky maps for both northern and southern hemispheres, history and mythology of all 88 constellations and the rationale behind the names of stars and constellations, The Stargazer's Handbook will fully equip you with the tools to navigate-and understand-the night sky.

Cosmos Icon Books

Includes : What is nickel? -- Special characteristics -- The history of nickel -- Where nickel is found -- Mining and refining -- Nickel and its compounds -- Nickel in steel -- Other nickel alloys -- Nickel coins -- Nickel and the body -- Periodic tabel -- Chemical reactions.

The Stargazer's Handbook Oxford University 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.

[Economics in Minutes](#) Quercus

The biggest and best ever reproduction of the Space Age's most remarkable images The magnificent vault of stars emblazoning Earth's night skies are but an infinitesimal fraction of the hundreds of billions that inhabit our galaxy - and there are at least as many galaxies in the universe as there are stars in the Milky Way. Cosmos makes sense of this dizzying celestial panorama by exploring it one step at a time, illustrating the planets, moons, stars, nebulae, white dwarfs, black holes and other exotica that populate the heavens with some of science's most spectacular photographs. The book opens with an orbital survey of planet Earth, before venturing into the solar system heading for interstellar space and the heart of our galaxy. As the journey unfolds, the rhythms of stellar life emerge: we pass through dark clouds of dust and gas ablaze with newly smelted stars and we witness dying stars bloom and fade as planetary nebulae, or tear themselves apart as supernovae. Having crossed the Milky Way, we enter intergalactic space. Out here we watch the hidden lives of galaxies: we see them flock and cluster, forming massive conglomerations that span millions of light years, visibly warping space with their tremendous gravity. After covering an almost unimaginable 13.4 billion light years, we approach the edge of space and the dawn of time where our voyage must end, but not before we consider how the universe was born, and how it might die.

A landmark in popular science publishing, Cosmos is a majestic, giant format, account of the ultimate journey - a 13.7-billion-light-year- (or 130-billion-trillion kilometre- ) voyage from our home planet to the edge of the universe and the beginning of time. Illustrated with 450 images of staggering beauty.

Cosmos Quercus Books

Physics in Minutes covers everything you need to know about physics, condensed into 200 key topics. Each idea is explained in clear, accessible language, building from the basics, such as mechanics, waves and particles, to more complex topics, including neutrinos,

string theory and dark matter. Based on scientific research proving that the brain best absorbs information visually, illustrations accompany the text to aid quick comprehension and easy recollection. This convenient and compact reference book is ideal for anyone interested in how our world works. Chapters include: Newton's Laws of Motion, Schrödinger's cat, Magnetism, Superconductivity, Fission and fusion, Higgs Boson, Entropy, Dark matter.

Space Book Sales

Your guide to science, from the Big Bang to AI Whether you wish to discover the basics of science or catch up on its latest developments, this short accessible guide is for you. YOUNIVERSE describes in simple terms the world you are inseparably a part of: what it is, how it works and your place in it – insofar as these things are known. The text has been vetted by 13 distinguished scientists. Journey now through time and space, a world of the unimaginably big and the inconceivably small – though the marvels of science. \*PRAISE FOR YOUNIVERSE\* ‘ This is a fine piece of work... very entertaining and informative... It should appeal and be useful to the generalist who wants an overview of science. ’ Sir Peter Ratcliffe, 2019 Nobel Prize winner and head of clinical research at the Francis Crick Institute

Quercus

For 20 years the Hubble Space Telescope has been hurtling around our planet at 17,500 mph sending spectacularly sharp images of the universe back to Earth. Hubble is a visual celebration of this large and versatile telescope's astonishing scientific and technical achievements. This fully revised and updated edition of Hubble: Window on the Universe (Legacy Edition) showcases the very latest and clearest images of galaxies, nebulae, quasars, exploding stars and stellar nurseries. More than 200 remarkable cosmic images reveal the inner workings of the solar system, the expansion of the Universe, the birth and death of stars, the formation of planetary nebulae, the dynamics of galaxies and the mysterious force known as 'dark energy'. Featuring the history of the project from its origins and launch in 1990, the discovery and emergency repair of a defective mirror, the impact of subsequent servicing missions and finally, its extraordinary legacy this stunning giant volume will take you on a journey through the universe via 200 glorious full-colour images.

The Night Sky Welbeck Publishing Group

Both simple and accessible, Maths in Minutes is a visually led introduction to 200 key mathematical ideas. Each concept is quick and easy to remember, described by means of an easy-to-understand picture and a maximum 200-word explanation. Concepts span all of the key areas of mathematics, including Fundamentals of Mathematics, Sets and Numbers, Geometry, Equations, Limits, Functions and Calculus, Vectors and Algebra, Complex Numbers, Combinatorics, Number Theory, Metrics and Measures and Topology.

[The Cosmic Gallery](#) Quercus

Physics in Minutes Quercus Publishing

[Maths in Minutes](#) Quercus

Stars and Planets is a 300-entry mini encyclopedia of the universe that surrounds our world.

The Memory Keeper's Daughter Quercus

From the author of the acclaimed The Epigenetics Revolution ( ‘ A book that would have had Darwin swooning ’ – Guardian) comes another thrilling exploration of the cutting edge of human science. For decades after the structure of DNA was identified, scientists focused purely on genes, the regions of the genome that contain codes for the production of proteins. Other regions – 98% of the human genome – were dismissed as ‘ junk ’. But in recent years researchers have discovered that variations in this ‘ junk ’ DNA underlie many previously intractable diseases, and they can now generate new approaches to tackling them. Nessa Carey explores, for the first time for a general audience, the incredible story behind a controversy that has generated unusually vituperative public exchanges between scientists. She shows how junk DNA plays an important role in areas as diverse as genetic diseases, viral infections, sex determination in mammals, human biological complexity, disease treatments, even evolution itself – and reveals how we are only now truly unlocking its secrets, more than half a century after Crick and Watson won their Nobel prize for the discovery of the structure of DNA in 1962.

The Illustrated Encyclopedia of Space & Space Exploration Quercus Books

What happens when a star dies? How many asteroids are in our solar system? Can galaxies collide? What is dark energy? Astronomy in Minutes answers all these questions and more as it condenses 200 key concepts into easily digestible essays. From Trojan asteroids to stellar black holes, and from superclusters to cosmic microwave background, this book will take you on an essential tour around the universe. Beginning with the specks and constellations that we see in the night sky, and then zooming in on the objects and 'matter' beyond the naked eye, Astronomy in Minutes draws on established theories and recent research. Each essay is accompanied by an image or a clear diagram to help unravel complex ideas. Beginning with the constellations and finishing with the latest cosmological theories, this is the perfect reference guide to this fascinating subject. Contents include: The celestial sphere, Pictis Austrinus, the Earth-Moon system, Io and Ganymede, Kuiper Belt Objects, Measuring stellar properties, Nuclear fusion, Red and orange dwarfs, Open star clusters, Planetary nebulae, Supernova remnants, Cosmic expansion, Quasars and blazars, Nature of spacetime, Nucleosynthesis and the Anthropic Principle.

[Cosmos Close-up](#) Hardie Grant Publishing

Quantum physics is the most fundamental -- but also the most baffling -- branch of science. Allowing for dead-and-alive cats, teleportation, antimatter, and parallel universes, as well as underpinning all of our digital technology, it's as important

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as it is mind-bending. This clear and compact book demystifies the strange and beautiful quantum world, and hence the nature of reality itself. Contents include: Schrodinger's cat, inside the atom, the particle zoo, the Higgs boson, Heisenberg's uncertainty principle, God playing dice, relativity, the Big Bang, dark energy and matter, black holes, the fate of the Universe, the Theory of Everything, quantum gravity, string theory, the multiverse, instant communication, quantum computing and cryptography, superconductivity, quantum biology, quantum consciousness, and much more. Written as a series of mini essays with 200 simple diagrams to help understanding, there can be no easier guide to this notoriously confusing subject. At last it's possible for non-specialists to understand quantum theory and its central role in the birth of the universe and the very existence of life.

Physics II For Dummies Quercus

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.

Iron Enslow Publishing, LLC

Although a mere speck in the vast cosmos, humans have managed to piece together an incredible understanding of the Universe. Discover its magic and unravel its mysteries with this book. Starting from a launchpad on Earth, set off on an enthralling journey to the Solar System, the Milky Way, and finally to the very edges of the known Universe. Space: From Earth to the Edge of the Universe features fascinating facts, an engaging narrative, and rich photographs that help you comprehend the vastness of this world that we exist in. The book has been divided into seven chapters covering intriguing concepts such as spacewalking, getting close to the Sun, and the Planetary Nebulae. Detailed illustrations and explanatory artworks give you a deep insight into the limits of galaxies, what lies in our neighboring worlds, the rings and moons of other planets, and much more. Discover the technology and spacecrafts behind the extraordinary journeys undertaken by astronauts, study the planets, asteroids, and galaxies and immerse yourself in the important space discoveries of our time. Featuring the latest spectacular images from NASA and other sources, Space will take you on the expedition of a lifetime.

Space Flight Quercus

Mars has always fascinated humanity and the findings of the past decade have revolutionized ideas about our nearest neighbour - revealing its watery past and geological similarity to Earth. This volume, filled with the latest and most magnificent images to be sent back from Curiosity, will walk you in the footsteps of the NASA probes and rovers that have been surveying the planet from 1964 until the present day. Experience its other-worldly beauty as you hover over sinister dust devils, immense icecaps and textured rock formations. Mars charts an incredible course across this unfamiliar planet, depicting all sides, seasons, channels and chasms, from the North Pole to the Southern Highlands. Witness the soaring heights of Olympus Mons - the tallest volcano in the Solar System - watch a giant dust storm tear through the canyons of the Valles Marineris, and explore the broad valleys of Chryse Planitia, scarred from catastrophic floods. Detailed and accessible essays explain how Mars was formed, shedding light on its internal and external structure, weather systems and unique geographical features, as well as on the compelling evidence of water and microscopic life. Each image is accompanied by a caption that explains in unparalleled detail the abstract patterns and peculiar geology that form this majestic planet. Featuring over 200 spectacular photographs and informative colour diagrams, an atlas of the surface and details of the most recent scientific discoveries, Mars is the perfect introduction to the Red Planet.

The Planets Prelude Books

A complete introduction to the heavens through the tales of these 21 key stars.

Physics in Minutes Firefly Books Limited

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.