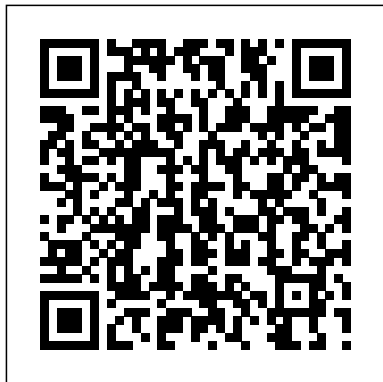

Physics In Minutes Giles Sparrow

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The Planets Quercus
Physics in Minutes Quercus Publishing
[Solar System in Minutes](#) Welbeck Publishing
Group

Join us on the most amazing voyage imaginable: travel over 13.7-billion light years and experience the awesome sights, spectacles and breathtaking scale of the cosmos. Along the way you will visit planets, moons, asteroids, stars, nebulae, white dwarfs, black holes, dark matter and other phenomena that populate the heavens. Data

streams, digital readouts and unique graphic interfaces, such as 'Image Enhance', 'Atmosphere Analysis' and 'Surface Detail' provide intrepid cosmic voyagers with a wealth of facts, information and data about all the celestial bodies they encounter - as well as some of the deadly hazards that lurk in outer space and how to avoid them. Printed in dramatic over-sized format and packed with more than 300 of science's most spectacular photographs, *Across the Cosmos* is quite simply the biggest, best and most exciting children's space book ever published. *Across the Cosmos* is specifically designed and written for children aged 7+ years. The sections are: *Across the Solar System*, *Through the Milky Way*, *Beyond our Galaxy*

Space Flight Icon 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, Ptolemy, 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.

What Shape is Space? Thames & Hudson

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.

Science in Seconds Physics in Minutes

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.

Spaceflight Book Sales

Instant Physics pulls together all the pivotal physics knowledge and thought into one concise volume. Each page contains a discrete "cheat sheet", which tells you the most important facts in bite-sized chunks, meaning you can become an expert in an instant. From black holes and black body radiation to telescopes, microscopes, quantum mechanics and general relativity, every key figure, discovery or idea is explained with succinct and lively text and graphics.

Perfect for the knowledge hungry and time poor, this collection of graphic-led lessons makes psychology interesting and accessible. Everything you need to know is here.

Youniverse: A Short Guide to Modern Science Marshall Cavendish

This compelling story of exploration charts and celebrates humankind in space, from Sputnik's launch in 1957 through the Apollo Moon landings and the International Space Station to future missions to Mars and beyond. *Spaceflight* chronicles how, in the half-century that followed Sputnik, the world was revolutionized by space travel and exploration. The opening up of Earth's orbit to satellites led to a revolution in communications, monitoring of the environment, and materials science. For the human imagination, the impact has

been even greater: the voyages of robotic space probes have transformed our view of the Solar System, while Earth-orbiting satellites and missions to the Moon have forever changed our view of ourselves. This book is a celebration of human ingenuity and imagination. From the work of pioneers like Wernher von Braun, Yuri Gagarin, and Neil Armstrong to the triumphs and tragedies that followed, it reveals the people, science, and technology that have propelled us into the Space Age.

Field Guide to Fantastic Creatures Quercus 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 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.

The Cosmic Gallery Quercus Books

What Shape is Space? is a question with surprisingly far-reaching implications for our understanding of the very

nature of reality and our place within it. The concepts involved may be sophisticated, but Giles Sparrows effortless prose style easily renders them understandable, allowing readers to get to grips with the overarching debates at the cutting edge of cosmology today. Infographics, diagrams and astronomical visualizations illustrate and clarify the various astonishing implications of a universe of infinite space.

The Human Body in Minutes

Prelude Books

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

Astronomy in Minutes Penguin

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.

Iron Hachette UK

Discusses the origin, discovery, special characteristics, and uses of iron.

Cosmos Close-up Penguin

Constellations is a guide to the night sky that focuses on these 88 distinctive patterns, revealing their often intriguing storiesâ??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.

Maths in Minutes Quercus Books

Within the last 40 years, the contents of our solar system have been slowly revealed by a fleet of satellites and interplanetary probes, from Cassini to the Hubble Space Telescope to the recent Mars Exploration Rovers. Moving out from the Sun, every planet and moon is visited in

this comprehensive survey that follows the tracks of robotic rovers over Mars, plunges through Titan's atmosphere on the back of the Huygens probe, inspects a comet, and discovers the frozen planets that lurk beyond the orbit of Neptune, a full light year from Earth. The breathtaking images of dozens of celestial bodies are accompanied by fascinating captions and informative diagrams, completing this stunning compilation.

Nickel 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.

Voyage Across the Cosmos Quercus
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.

Atlas of the Constellations

Quercus

An icon of science, the Periodic Table defines the fundamental chemistry of everything in the universe. In this compact yet comprehensive guide, Dan Green outlines the history, development and workings of the table, shows how its design reflects and illuminates the organisation of all matter, and even

explains what it has to tell us about the chemistry of distant stars and of our own bodies. Contents include an individual entry for every known element? detailing properties, uses and key data, and sections on the patterns and groups of the famous table, as well as explanations of basic chemistry concepts such as elements and compounds, atomic structure, chemical bonds, reactions and radioactivity, amongst many others.

How We Learn Hachette UK

On any clear night, the night sky offers an ever-changing display of fascinating objects, visible to the naked eye: stars, constellations, bright planets, the moon, human-made satellites, and sometimes even meteor showers or the International Space Station. With gorgeous high-definition imagery and a wealth of charts,

graphs, and infographics, readers will find here what is visible in the night sky at various times of the year and from what locations around the world. They will learn what additional objects they can see with the help of telescopes, binoculars, and sky maps. Also featured are skywatching terms and night sky observing tips.

The Illustrated Encyclopedia of Space & Space Exploration

Oxford University Press

This beautiful volume features accurate and clear star charts and diagrams of all 88 recognized constellations in the northern and southern hemispheres, including all twelve constellations of the zodiac. Beginning with a brief introduction to the stars, t

The Periodic Table 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.