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Mars Penguin

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

Felicity Frobisher and the Three-Headed Aldebaran Dust Devil Welbeck Publishing

This stunning collection of images and essays surveys the key breakthroughs that have shaped our understanding of the universe around us - from the discovery of the solar system, to Supermassive black holes and the remote depths of the cosmos. Beginning with the theories put forward for the origin of our universe - the Big Bang and its rivals - and ending with what the eventual fate of our cosmos might be, this overview of 100 landmark discoveries tells the story of how we have endeavoured to understand the place of our own planet in the wider universe.

The Universe Faber & Faber

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 Audubon Society Field Guide to the Night Sky Hachette UK

An expert yet easy-to-understand examination of space travel, from the first human voyages to the goals of future endeavors. In **Space Travel: Ten Short Lessons**, Paul Parsons takes us on an exhilarating journey to examine the game-changing discoveries in the history of space exploration that have illuminated the darkest corners of our universe. From the amazing technology that has enabled us to look beyond the clouds to the development of rockets and spacecraft during the twentieth century that led to missions to the moon and beyond, to the space tourism of the twenty-first century, this is a cutting-edge, expert-led guide for curious minds. About the series: The Pocket Einstein series is a collection of essential pocket-sized guides for anyone looking to understand a little more about some of the most relevant science that affects us all in the twenty-first century. Broken down into ten simple lessons and written by leading experts in their field, the books reveal the ten most important takeaways from those areas of science we should all know more about.

The Planets Quercus

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 Astronomy Book Routledge

"We are living today in the golden age of cosmology: over the past few decades, some of the biggest cosmic questions have been transformed from dreamy theorizing to hard-won discovery. We now understand the history of our universe better than we understand the history of our own planet. And yet many answers are still tantalizingly out of reach. In **What's Eating the Universe?**, ... Paul Davies takes us on a ... tour of the cosmic frontier, ... explaining what we now know, and exploring the intriguing--and sometimes terrifying--possibilities that lie before us"--

Cosmos Quercus

Presents photographs of the Universe with close-ups of the planets, sun, and stars.

Mars Ballantine Books

Comet presents the amazing story of the Rosetta space probe and its interstellar voyage to the comet Tchoury. Its mission - to find clues to the origins of our solar system and the emergence of life on Earth. Following a ten-year voyage and a journey spanning millions of kilometres through our Solar System, the Rosetta entered the comet's orbit. Its lander, Philae - a miniature science laboratory - landed directly on Tchoury's surface and was able to take the photographs presented here. This triumph of scientific endeavour brought back a raft of incredible new photographs, the best of which are featured here. The book is built around the various phases in Rosetta's journey: leaving Earth, breaching its atmosphere and watching the lights of home recede; skirting the Moon and coming close to Mars; plunging into the cosmos' starry void and approaching the comet; and, finally, landing on Tchoury. The photographs are accompanied by a text that reflects on the objectives of the mission and the accomplishment of such a technological feat for humanity. Detailed captions provide the reader with accessible scientific information, enabling them to get to the heart of the subject.

Cosmos Greenfinch

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 Universe Penguin

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.

Voyage Across the Cosmos Firefly Books Limited

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**

Dark Matter and Dark Energy Quercus Books

In its analysis of the archaeologies and histories of the northern fringe of Europe, this book provides a focus on animistic-shamanistic cosmologies and the associated human-environment relations from the Neolithic to modern times. The North has fascinated Europeans throughout history, as an enchanted world of natural and supernatural marvels: a land of light and dark, of northern lights and the midnight sun, of witches and magic and of riches ranging from amber to oil. Northern lands conflate fantasies and realities. Rich archaeological, historical, ethnographic and folkloric materials combine in this book with cutting-edge theoretical perspectives drawn from relational ontologies and epistemologies, producing a fresh approach to the prehistory and history of a region that is pivotal to understanding Europe-wide processes, such as Neolithization and modernization. This book examines the mythical and actual northern worlds, with northern relational modes of perceiving and engaging with the world on the one hand and the 'place' of the North in European culture on

the other. This book is an indispensable read for scholars of archaeology, anthropology, cultural studies and folklore in northern Europe, as well as researchers interested in how the North is intertwined with developments in the broader European and Eurasian world. It provides a deep-time understanding of globally topical issues and conflicting interests, as expressed by debates and controversies around Arctic resources, nature preservation and indigenous rights.

The Secret World of Stargazing Booksales

In 2006, rock legend and experienced amateur astronomer Brian May joined the legendary expert Sir Patrick Moore and astrophysicist Professor Chris Lintott to tell the story of the universe from the moment time and space came into existence at the Big Bang, through to the infinite future and the ultimate fate that awaits us. Following the spectacular success of the original book, Brian and Chris have got together again to extend and update the information in this accessible introduction to the history of the universe. Many of the pictures of the universe obtained by instruments such as the Hubble Space Telescope or the Very Large Telescope in Chile are beautiful enough to be considered works of art in their own right and this book presents them in context, and uses extraordinary new artworks to explain the mind-blowing theories from the cutting edge of astronomy in a way that everyone can understand. Fully revised and updated throughout, this new edition also contains an entire new chapter as well as more than 100 new photographs and illustrations.

[What's Eating the Universe?](#) Hachette UK

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

What do you say when you wake up to find your bedroom in a terrible mess? 'It wasn't me, Mum, it was a Three-Headed Aldebaran Dust Devil?' Try saying that - and see how far you get! Honestly, all I wanted was a quiet day at school. Instead, I got soaked in Hawaii, visited a planet halfway across the galaxy, and accidentally set a killer wombat loose!

Universe Greenfinch

The Illustrated Encyclopedia of Space & Space Exploration will inspire and educate anyone interested in finding out more about the Universe.

[The History of Our Universe in 21 Stars](#) National Geographic 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.

What Shape Is Space? Icon Books

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.

[Northern Archaeology and Cosmology](#) Arcturus Children's Reference

"A fully up-to-date and strikingly beautiful voyage through the wonders of our Solar System."--Back cover

Space Travel Cambridge University Press

Marvel at the wonders of the universe, from stars and planets to black holes and nebulae, in this exploration of our solar system and beyond. Universe opens with a look at astronomy and the history of the Universe, using 3D artworks to provide a comprehensive grounding in the fundamental concepts of astronomy, including the basic techniques of practical astronomy. The core of the book is a tour of the cosmos covering the Solar System, the Milky Way, and galaxies beyond our own. Explanatory pages introduce different celestial phenomena, such as galaxies, and are followed by catalogs that profile the most interesting and important examples. A comprehensive star atlas completes the picture, with entries on each of the 88 constellations and a monthly sky guide showing the night sky as it appears throughout the year as viewed from both the northern and southern hemispheres.