
Astrophysics For Young People In A Hurry English

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Origins: Fourteen Billion Years of Cosmic Evolution

Unlocking the Universe

Explore the Cosmos Like Neil DeGrasse Tyson

30-Second Universe

Death By Black Hole

Astrophysics Is Easy!

Universe Down to Earth

Jack and the Geniuses

The Secret Life of Stars

Accessory to War: The Unspoken Alliance Between Astrophysics and the Military

Astrophysics for Young People in a Hurry

The Astronomy Book

Astrophysics

Atlantis: The Accidental Invasion (Atlantis Book #1)

Unsolved Problems in Astrophysics
The Other Dark Matter
Look Up with Me
Neil DeGrasse Tyson
Astrophysics for Kids
Essential Astrophysics
A Black Hole is Not a Hole
The Mysteries of the Universe
The Physics Book
Astrophysics in a Nutshell
The Sky Is Not the Limit
My First Book of Quantum Physics
My First Book of Relativity
Rocket Science for Babies
Occupational Outlook Handbook
Basher Science: Astronomy
Fundamentals of Astrophysics
Starstruck
Letters from an Astrophysicist
Astrophysics Simplified

Astrophysics for Physicists
Introduction to Astrophysics
Welcome to the Universe
Cosmic Queries
Fundamental Astronomy

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Astrophysics for Young
People in a Hurry

Sourcebooks, Inc.
In addition to speaking
about challenging
scientific topics for a
variety of news sources,
Neil deGrasse Tyson is
director of a New York

planetarium, hosts a
science podcast, and has
a following of more than
three million on Twitter.
Learn about the personal
and professional life of
Neil deGrasse Tyson,
arguably the most famous
astrophysicist in the
modern world.

*Origins: Fourteen Billion
Years of Cosmic Evolution*
Gateway Biographies
A 2020 Outstanding

Science Trade Book for
Students K-12! With an
introduction from Neil
DeGrasse Tyson about the
importance of kid-like
curiosity, this lyrical
picture book biography on
the beloved astrophysicist
and host of Cosmos is the
perfect gift for young
astronomers and fans of
all ages. Neil deGrasse
Tyson was born curious.
And the secrets of a

billion galaxies lay there-- waiting for him to explore its cosmic mysteries. He just had to look up. Up beyond the city lights, up at the shining stars, up through the Milky Way, and past the veil of the night sky. Follow young Neil's journey as he discovers the wonders of space, the thrill of science, and the joy in sharing the beauty of our amazing universe. Read his favorite mind-blowing facts and learn what mysteries are left to solve. From *On a Beam of Light* author Jennifer

Berne and debut paper illustrator Lorraine Nam comes the inspiring true tale of Neil's life and how he became a world-famous astrophysicist. The future of discovery lays with you. Look up with Neil and begin your own journey into the cosmos.
[Unlocking the Universe](#)
 Cambridge University Press
 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

Explore the Cosmos Like Neil DeGrasse Tyson Courier Corporation
New York Times Bestseller

A luminous companion to the phenomenal bestseller *Astrophysics for People in a Hurry*. Astrophysicist Neil deGrasse Tyson has attracted one of the world's largest online followings with his fascinating, widely accessible insights into science and our universe. Now, Tyson invites us to go behind the scenes of his public fame by revealing his correspondence with people across the globe who have sought him out in search of answers. In

this hand-picked collection of 101 letters, Tyson draws upon cosmic perspectives to address a vast array of questions about science, faith, philosophy, life, and of course, Pluto. His succinct, opinionated, passionate, and often funny responses reflect his popularity and standing as a leading educator. Tyson's 2017 bestseller *Astrophysics for People in a Hurry* offered more than one million readers an insightful and accessible understanding of the universe. Tyson's

most candid and heartfelt writing yet, Letters from an Astrophysicist introduces us to a newly personal dimension of Tyson's quest to explore our place in the cosmos.

30-Second Universe

Kingfisher

A collection of essays on the cosmos, written by an American Museum of Natural History astrophysicist, includes "Holy Wars," "Ends of the World," and "Hollywood Nights."

Death By Black Hole

National Geographic Books

Astrophysics is often –with some justification – regarded as incomprehensible without the use of higher mathematics.

Consequently, many amateur astronomers miss out on some of the most fascinating aspects of the subject.

Astrophysics Is Easy! cuts through the difficult mathematics and explains the basics of astrophysics in accessible terms. Using nothing more than plain arithmetic and simple examples, the workings of the universe are outlined

in a straightforward yet detailed and easy-to-grasp manner. The original edition of the book was written over eight years ago, and in that time, advances in observational astronomy have led to new and significant changes to the theories of astrophysics. The new theories will be reflected in both the new and expanded chapters. A unique aspect of this book is that, for each topic under discussion, an observing list is included so that observers can actually see for

themselves the concepts presented –stars of the spectral sequence, nebulae, galaxies, even black holes. The observing list has been revised and brought up-to-date in the Second Edition.

Astrophysics Is Easy!

Katherine Tegen Books
Perfect for fans of Percy Jackson and Mr. Lemoncello's Library, Atlantis: The Accidental Invasion is now in paperback! Kaya, raised in the undersea, high-tech world of Atlantis, has always been fascinated by

the legends about life above the water. Despite the government's insistence that they're only stories, she can't help but dream about the Sun People—and when a group of officials known as Erasers move to bury those legends for good, Kaya sets out to the surface to uncover the truth once and for all. In the world above, where climate change has led to giant tsunamis that threaten Earth's coasts, all Lewis wants is to spend more time with his scientist father. When he

stows away on his dad's top-secret research trip, he finds himself thrown headfirst into an adventure much bigger than he bargained for. Fast-paced and action-packed, The Accidental Invasion brings readers into a world unlike anything they've seen before. Bonus content includes real scientific information about genetic modification, earthquakes, nuclear power, and plate tectonics.
Universe Down to Earth
Penguin

Do you dream of living on another planet? When you look up at the night sky, do you wonder about the unsolved mysteries of our galaxy? Take a fascinating tour of the astrophysical concepts that define the universe and everything in it. This book explores both the known and the unknown elements of this futuristic topic and is perfect for young readers to learn about space.

Jack and the Geniuses

National Geographic Books

Travel to the furthest reaches of the Universe

and visit 100 remarkable objects along the way with this stunning space book for curious kids aged 6-8. Space is so much bigger than young minds can fathom and there is always more to learn. The Mysteries of the Universe is a stunning space encyclopedia for young readers to explore, with reference pages packed with fascinating information, little learners will be captivated as they journey through the vastness of the Universe. From planets and asteroids to black holes

and galaxies, every page of this enthralling space book reveals the secrets behind more than 100 celestial objects, and will inspire youngsters as they journey through the vastness of the Universe. Each celestial body is shown both photographically and illustrated, and children will love poring over the detailed close-up images. Get ready to explore fun facts and exciting new scientific discoveries as this best-selling picture book will illuminate imaginations and spark

curious minds to explore the vastness of space. The engaging storybook-style descriptions and simple text shed a light on facts, myths, and key discoveries about the universe, perfect for children aged 6-8 to explore the wonders of our solar system and beyond. Celebrate your child's curiosity as they: - Explore Beautiful illustrations and incredible photography that showcase the mysteries of space. - Reveal Engaging storybook-style descriptions that explain

key discoveries about the universe - Uncover 100 remarkable objects in the cosmos. This space encyclopedia for children is the perfect blend of storybook style text with out of this world illustrations which makes it a fantastic space book for children who can't get enough of the solar system. Encourage early learners to go on a journey to explore a world of information, making this the ideal first reference book for kids aged 6-8 to enjoy for hours on end, whether

reading with the family or reading alone, this fun fact book also doubles up as the perfect gift for curious kids who love to learn. Explore the vastness of space whilst uncovering: -Stunning Jacket Detail: gold foil, holographic foil & metallic gold edges -Striking photography & illustrations inside -A beautiful book for the whole family to treasure - A quality gift to be passed down through the generations More in the Series Mysteries of the Universe is part of the

beautiful and informative Anthology series.

Complete the series and nurture your child's curiosity as they explore the natural world with *The Wonders of Nature* or let them walk with the dinosaurs who ruled the earth before them in *Dinosaurs and other Prehistoric Life*.

The Secret Life of Stars
Disney Electronic Content
Explore the laws and theories of physics in this accessible introduction to the forces that shape our universe, our planet, and our everyday lives. Using

a bold, graphics-led approach, *The Physics Book* sets out more than 80 of the key concepts and discoveries that have defined the subject and influenced our technology since the beginning of time. With the focus firmly on unpacking the thought behind each theory—as well as exploring when and how each idea and breakthrough came about—five themed chapters examine the history and developments in specific areas such as Light, Sound, and Electricity. Eureka

moments abound: from Archimedes' bathtub discoveries about displacement and density, and Galileo's experiments with spheres falling from the Tower of Pisa, to Isaac Newton's apple and his conclusions about gravity and the laws of motion. You'll also learn about Albert Einstein's revelations about relativity; how the accidental discovery of cosmic microwave background radiation confirmed the Big Bang theory; the search for the Higgs boson particle; and

why most of the universe is missing. If you've ever wondered exactly how physicists formulated—and proved—their abstract concepts, *The Physics Book* is the book for you. **Series Overview:** Big Ideas Simply Explained series uses creative design and innovative graphics along with straightforward and engaging writing to make complex subjects easier to understand. With over 7 million copies worldwide sold to date, these award-winning books provide just the information

needed for students, families, or anyone interested in concise, thought-provoking refreshers on a single subject.

Accessory to War: The Unspoken Alliance Between Astrophysics and the Military

Princeton University Press
Everything around us - trees, buildings, food, light, water, air and even ourselves - is composed of minute particles, smaller than a nanometre (a billionth of a metre). Quantum physics is the science of these particles

and without it none of our electronic devices, from smartphones to computers and microwave ovens, would exist. But quantum physics also pushes us to the very boundaries of what we know about science, reality and the structure of the universe. The world of quantum physics is an amazing place, where quantum particles can do weird and wonderful things, acting totally unlike the objects we experience in day-to-day life. How can atoms exist in two places at once?

And just how can a cat be dead and alive at the same time? Find out more with this entertaining illustrated guide to the fascinating, mysterious world of quantum physics. *Astrophysics for Young People in a Hurry* Prometheus Books

In this thought-provoking follow-up to his acclaimed StarTalk book, uber astrophysicist Neil deGrasse Tyson tackles the world's most important philosophical questions about the universe with wit, wisdom, and cutting-edge science.

For science geeks, space and physics nerds, and all who want to understand their place in the universe, this enlightening new book from Neil deGrasse Tyson offers a unique take on the mysteries and curiosities of the cosmos, building on rich material from his beloved StarTalk podcast. In these illuminating pages, illustrated with dazzling photos and revealing graphics, Tyson and co-author James Trefil, a renowned physicist and science popularizer, take on the

big questions that humanity has been posing for millennia--How did life begin? What is our place in the universe? Are we alone?--and provide answers based on the most current data, observations, and theories. Populated with paradigm-shifting discoveries that help explain the building blocks of astrophysics, this relatable and entertaining book will engage and inspire readers of all ages, bring sophisticated concepts within reach, and offer a

window into the complexities of the cosmos. or all who loved National Geographic's StarTalk with Neil deGrasse Tyson, *Cosmos: Possible Worlds*, and *Space Atlas*, this new book will take them on more journeys into the wonders of the universe and beyond.

The Astronomy Book

Springer Science & Business Media

The ideal one-semester astrophysics introduction for science undergraduates—now expanded and fully

updated Winner of the American Astronomical Society's Chambliss Award, *Astrophysics in a Nutshell* has become the text of choice in astrophysics courses for science majors at top universities in North America and beyond. In this expanded and fully updated second edition, the book gets even better, with a new chapter on extrasolar planets; a greatly expanded chapter on the interstellar medium; fully updated facts and figures on all subjects, from the

observed properties of white dwarfs to the latest results from precision cosmology; and additional instructive problem sets. Throughout, the text features the same focused, concise style and emphasis on physics intuition that have made the book a favorite of students and teachers. Written by Dan Maoz, a leading active researcher, and designed for advanced undergraduate science majors, *Astrophysics in a Nutshell* is a brief but thorough introduction to the

observational data and theoretical concepts underlying modern astronomy. Generously illustrated, it covers the essentials of modern astrophysics, emphasizing the common physical principles that govern astronomical phenomena, and the interplay between theory and observation, while also introducing subjects at the forefront of modern research, including black holes, dark matter, dark energy, and gravitational lensing. In addition to serving as a course textbook,

Astrophysics in a Nutshell is an ideal review for a qualifying exam and a handy reference for teachers and researchers. The most concise and current astrophysics textbook for science majors—now expanded and fully updated with the latest research results. Contains a broad and well-balanced selection of traditional and current topics. Uses simple, short, and clear derivations of physical results. Trains students in the essential skills of order-of-magnitude analysis.

Features a new chapter on extrasolar planets, including discovery techniques. Includes new and expanded sections and problems on the physics of shocks, supernova remnants, cosmic-ray acceleration, white dwarf properties, baryon acoustic oscillations, and more. Contains instructive problem sets at the end of each chapter. Solutions manual (available only to professors). *Astrophysics* W. W. Norton & Company. Bringing demonstrations

of the principles of nature into the living room, Tyson writes in a lucid, easygoing style that finally makes scientific literacy possible for enthusiasts and those with math and science phobias alike.

Atlantis: The Accidental Invasion (Atlantis Book #1)

Charlesbridge Publishing
 “Extraordinary.... A feast of history, an expert tour through thousands of years of war and conquest.” —Jennifer Carson, New York Times Book Review In this far-

reaching foray into the millennia-long relationship between science and military power, acclaimed astrophysicist Neil deGrasse Tyson and co-author Avis Lang examine how the methods and tools of astrophysics have been enlisted in the service of war. Spanning early celestial navigation to satellite-enabled warfare, *Accessory to War* is a richly researched and provocative examination of the intersection of science, technology, industry, and power that will introduce Tyson’s

millions of fans to yet another dimension of how the universe has shaped our lives and our world.

Unsolved Problems in Astrophysics Springer Science & Business Media
 “Who can ask for better cosmic tour guides?”
 —Michio Kaku Our true origins are not only human, or even terrestrial, but in fact cosmic. Drawing on recent scientific breakthroughs and cross-pollination among geology, biology, astrophysics, and cosmology, *Origins*

illuminates the soul-stirring leaps in our understanding of the cosmos. This revised and updated edition features such startling discoveries as the now more than 5,000 detected exoplanets that promise to reveal exciting possibilities for life in the cosmos, and data from a new generation of ground-based and spaceborne observatories that have fundamentally changed what we know about the expanding universe?and maybe even the laws of physics themselves. From

the first image of a galaxy's birth to tantalizing evidence of water not only on Mars but also on the asteroid Ceres, as well as on moons of Jupiter and Saturn, coauthors Neil deGrasse Tyson and Donald Goldsmith conduct an exhilarating tour of the cosmos with clarity and exuberance.

The Other Dark Matter
Penguin

Have you ever wondered how our universe began? Or what it takes to put humans on the moon? Do you know what happens

in the microscopic world of a life-saving vaccine? What would you do if you could travel through space and time? Embark on the adventure of a lifetime in this beautiful collection of up-to-the-minute essays, mind-blowing facts and out-of-this-world colour photographs, by the world's leading scientists including Professor Stephen Hawking himself. This edition features brand-new content from Dr Mary Dobson: Plagues, Pandemics and Planetary Health. This unmissable

volume was curated by Stephen and Lucy Hawking, whose series of children's books *George's Secret Key* was a global hit. George's stories are punctuated with fascinating real-life facts and insights from leading scientists and now this incredible non-fiction has been collected into one bumper volume, with new content from key scientific figures and up-to-the-minute facts and figures for readers in 2021.

READERS LOVE

UNLOCKING THE

UNIVERSE: "Despite its

scientific content the essays are written in a very accessible style and the many topics investigated which range from the physical explanations of the universe to earth science to robotics and future predictions. Highly recommended for curious minds from around 10 years upwards" - Sue Warren, Blogger "My 9 y.o. loves this book. We've previously discussed a lot of the concepts, but this seems to answer questions I hadn't thought of, but my

son wanted to know" *Look Up with Me* Oxford University Press
In *The Secret Life of Stars*, award-winning astronomer Lisa Harvey-Smith takes us on a cosmic journey to meet some of the weirdest, most extreme, and enigmatic stars in the universe. We all know the Sun, the powerhouse of our solar system, but what about Luyten's Flare, the Rosino-Zwicky Object, or Chanal's variable star? For those whose curiosity takes them far beyond Earth's

atmosphere, *The Secret Life of Stars* offers a personal and readily understood introduction to some of the Galaxy's most remarkable stars. Written by award-winning astronomer Lisa Harvey-Smith, each chapter explains various different and unusual stars and their amazing characteristics and attributes, from pulsars, blue stragglers, and white dwarfs, to cannibal stars and explosive supernovae. With beautiful chapter illustrations by Eirian

Chapman, this book brings to life the remarkable personalities of these stars, reminding readers what a diverse and unpredictable universe we live in and how fortunate we are to live around a stable star, our Sun.

Neil DeGrasse Tyson
Princeton University Press
The field of astrophysics is in the midst of a technological renaissance. The emphasis of this collection of essays, composed by a stellar group of astronomers and astrophysicists, is on the

current state of our knowledge as a preparation for future unraveling of more mysteries of the universe, which appear most amenable to solution. Aspiring astrophysicists will be enthralled.

Astrophysics for Kids W. Norton & Company
This concise textbook, designed specifically for a one-semester course in astrophysics, introduces astrophysical concepts to undergraduate science and engineering students with a background in college-level, calculus-

based physics. The text is organized into five parts covering: stellar properties; stellar structure and evolution; the interstellar medium and star/planet formation; the Milky Way and other galaxies; and cosmology. Structured around short easily digestible chapters, instructors have flexibility to adjust their course's

emphasis as it suits them. Exposition drawn from the author's decade of teaching his course guides students toward a basic but quantitative understanding, with 'quick questions' to spur practice in basic computations, together with more challenging multi-part exercises at the end of

each chapter. Advanced concepts like the quantum nature of energy and radiation are developed as needed. The text's approach and level bridge the wide gap between introductory astronomy texts for non-science majors and advanced undergraduate texts for astrophysics majors.