

## Chaisson Astronomy Beginners Guide Universe

A Beginner's Guide to the Universe, Books a La Carte Plus Masteringastronomy  
 A Beginner's Guide to the Universe by Chaisson, Eric, ISBN 9780321840417  
 From Aristotle's Universe to the Big Bang and Beyond  
 The Origins of Matter and Life  
 A Beginner's Guide to the Universe  
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 The Universe at a Glance

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### SANIYA SHYANNE

A [Beginner's Guide to the Universe, Books a La Carte Plus Masteringastronomy](#) Addison-Wesley  
 Cosmology is the study of the origin, size, and evolution of the entire universe. Every culture has developed a cosmology, whether it be based on religious, philosophical, or scientific principles. In this book, the evolution of the scientific understanding of the Universe in Western tradition is traced from the early Greek philosophers to the most modern 21st century view. After a brief introduction to the concept of the scientific method, the first part of the book describes the way in which detailed observations of the Universe, first with the naked eye and later with increasingly complex modern instruments, ultimately led to the development of the "Big Bang" theory. The second part of the book traces the evolution of the Big Bang including the very recent observation that the expansion of the Universe is itself accelerating with time.

**A Beginner's Guide to the Universe by Chaisson, Eric, ISBN 9780321840417** Pearson

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**From Aristotle's Universe to the Big Bang and Beyond** For Dummies

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*The Origins of Matter and Life* Benjamin-Cummings Publishing Company

This straightforward volume presents a broad view of astronomy spanning known facts, evolving ideas, and frontier discoveries. The authors combine qualitative reasoning and analogies with familiar objects and phenomena to awaken readers to the excitement of the universe around them. Incorporates new understanding and emphases in contemporary astronomy, including the latest data on topics ranging from adaptive optics and solar system formation to extrasolar planets and the recent missions to Mars. Top-notch illustration program exploits the full range of the

electromagnetic spectrum, including images taken at radio, infrared, ultraviolet, X-ray, or gamma-ray wavelengths, in addition to visible-light photographs. For anyone interested in learning more about astronomy.

**A Beginner's Guide to the Universe** Addison Wesley Longman

Feel at home among the stars with this acclaimed astronomy self-teaching guide . . . "A lively, up-to-date account of the basic principles of astronomy and exciting current fields of research."-Science Digest "One of the best ways by which one can be introduced to the wonders of astronomy."-The Strolling Astronomer "Excellent . . . provides stimulating reading and actively involves the reader in astronomy."-The Reflector From stars, planets, and galaxies to the mysteries of black holes, the Big Bang, and the possibility of life on other planets, this new edition of *Astronomy: A Self-Teaching Guide* brings the fascinating night sky to life for every student and amateur stargazer. With a unique self-teaching format, *Astronomy* clearly explains the essentials covered in an introductory college-level course. Written by an award-winning author, this practical guide offers beginners an easy way to quickly grasp the basic principles of astronomy. To help you further appreciate the wonders of the cosmos, this book also includes: Star and Moon maps that identify objects in the sky Objectives, reviews, and self-tests that monitor your progress Simple activities that help you to test basic principles at your own pace Updated with the latest discoveries, new photographs, and references to the best astronomy Web sites, this newest edition of *Astronomy* imparts an extraordinary appreciation of the elegant beauty of the universe. Over 2 Million Wiley Self-Teaching Guides in Print

**A Beginners Guide to the Universe by Chaisson, Eric** Prentice Hall

Explore the curiosities of our galaxy! Too often, textbooks obscure the beauty and wonder of outer space with tedious discourse that even Galileo would oppose. *Astronomy 101* cuts out the boring details and lengthy explanations, and instead, gives you a lesson in astronomy that keeps you engaged as you discover what's hidden beyond our starry sky. From the Big Bang and nebulae to the Milky Way and Sir Isaac Newton, this celestial primer is packed with hundreds of entertaining astronomy facts, charts, and photographs you won't be able to get anywhere else. So whether you're looking to unravel the mystery behind black holes, or just want to learn more about your favorite planets, *Astronomy 101* has all the answers--even the ones you didn't know you were looking for.

**Visual Astronomy** Simon and Schuster

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**Elementary Cosmology** Cram101

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

*Astronomy 101* Da Capo Press

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[Astronomy Today, Global Edition](#) Cambridge University Press

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**The Astronomy Book** Academic Internet Pub Incorporated

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**Beginners Guide to the Universe** Penguin

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A senior scientist who worked on the Hubble Telescope recounts in detail the three-way struggle between science, government, and industry that led to the malfunctioning, multibillion dollar project

**The Hubble Wars** Morgan & Claypool Publishers

Chaisson addresses some of the most basic issues we can contemplate: the origin of matter and the origin of life, and the ways matter, life, and radiation interact and change with time. He designs for us an expansive yet intricate model depicting the origin and evolution of all material structures. *Cosmic Evolution* W. W. Norton & Company

Plain-language explanations and a rich set of supporting material help students understand the mathematical concepts and techniques of astronomy.

[A Guide to the Cosmos](#) Cram101

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**Astronomy** Morgan & Claypool Publishers

With *Astronomy Today*, Seventh Edition, trusted authors Eric Chaisson and Steve McMillan communicate their excitement about astronomy and awaken you to the universe around you. The text emphasizes critical thinking and visualization, and it focuses on the process of scientific

discovery, making “how we know what we know” an integral part of the text. The revised edition has been thoroughly updated with the latest astronomical discoveries and theories, and it has been streamlined to keep you focused on the essentials and to develop an understanding of the “big picture.” Alternate Versions Astronomy Today, Volume 1: The Solar System, Seventh Edition—Focuses primarily on planetary coverage for a 1-term course. Includes Chapters 1-16, 28. Astronomy Today, Volume 2: Stars and Galaxies, Seventh Edition—Focuses primarily on stars and stellar evolution for a 1-term course. Includes Chapters 1-5 and 16-28.

[Astronomy Today Volume 2](#) Harvard University Press

For as long as there have been people, men and women have looked up into the night sky and wondered about the nature of the cosmos. Without the benefit of science to provide answers, they relied on myth and superstition to help them make sense of what they saw. Lucky for us, we live at a time when regular folks, equipped with nothing more than their naked eyes, can look up into the night sky and gain admittance to infinite wonders. If you know what to look for, you can make out planets, stars, galaxies, and even galactic clusters comprising hundreds of millions of stars and spanning millions of light-years. Astronomy For Dummies tells you what you need to know to make

sense of the world above us. Written by one of the most well-known astronomers in the world, this fun, fact-filled, and accessible guide fills you in on the basic principles of astronomy and tells you how to: Identify planets and stars Explore our solar system, the Milky Way, and beyond Understand the Big Bang, quasars, antimatter, black holes, and more Join the Search for Extraterrestrial Intelligence (SETI) Get the most out of planetarium visits Make more sense out of space missions From asteroids to black holes, quasars to white dwarfs, Astronomy For Dummies takes you on a grand tour of the universe. Featuring star maps, charts, gorgeous full-color photographs, and easy-to-follow explanations it gives you a leg up on the basic science of the universe. Topics covered include: Observing the night sky, with and without optics Selecting binoculars and telescopes and positioning yourself for the best view Meteors, comets, and man-made moons Touring our solar system and becoming familiar with the planets, asteroids, and near Earth objects Our Sun, stars, galaxies, black holes and quasars SETI and planets revolving around other suns Dark matter and antimatter The Big Bang and the evolutions of the universe You might think the cosmos is a vast and mysterious place, but Astronomy For Dummies will make it seem as friendly and familiar as your own backyard.

[PROJECTIONS](#) Collins

Brief Description: The authors incorporate three themes in this briefer version of their two textbooks; process of science (how we know what we know), the size and scale of the universe as well as the evolution of the universe. A Beginner's Guide emphasizes critical thinking and visualization, and a leading-edge technology program. Key Topics: Charting the Heavens: The Foundations of Astronomy, The Copernican Revolution: The Birth of Modern Science, Light and Matter: The Inner Workings of the Cosmos, Telescopes: The Tools of Astronomy, The Solar System: Interplanetary Matter and the Birth of the Planets, Earth and Its Moon: Our Cosmic Backyard, The Terrestrial Planets: A Study in Contrasts, The Jovian Planets: Giants of the Solar System, Moons, Rings, and Plutoids: Small Worlds Among Giants, The Sun: Our Parent Star, Measuring the Stars: Giants, Dwarfs, and the Main Sequence, The Interstellar Medium: Star Formation in the Milky Way, Stellar Evolution: The Lives and Deaths of Stars, Neutron Stars and Black Holes: Strange States of Matter, The Milky Way Galaxy: A Spiral in Space, Normal and Active Galaxies: Building Blocks of the Universe, Hubble's Law and Dark Matter: The Large-Scale Structure of the Cosmos, Cosmology: The Big Bang and the Fate of the Universe, Life in the Universe: Are We Alone? Market: Intended for those interested in learning the basics of astronomy

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