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An Introduction to Basic Astronomy Concepts (Black and White Edition) - Chris McMullen 2012-06-01

This book provides a highly visual introduction to a variety of basic astronomy concepts: (1) Overview of the Solar System (2) Understanding the Lunar Phases (3) Understanding Solar and Lunar Eclipses (4) Understanding the Seasons (5) Evidence that the Earth is Round (6) Models of Our Solar System (7) Laws of Motion in Astronomy (8) Beyond Our Solar System. This edition is black and white. This book features numerous NASA space photos. (NASA did not participate in the writing or publication of this eBook.) Many diagrams, like the heliocentric and geocentric models or explaining the phases of the moon, were constructed by combining together NASA space photos instead of simply drawing circles. Teachers who purchase

one copy of this book or borrow one copy of this book from a library may reproduce selected pages for the purpose of teaching astronomy concepts to their own students. The content is suitable for a general interest audience, as well as those who may be learning astronomy and are looking for some supplemental instruction that is highly visual and focused on a variety of fundamental concepts. (This book is also available in a full-color edition.)

The Cambridge Star Atlas - Wil Tirion 2001-03-08

Provides information about the moon, star charts and monthly sky maps covering that which is visible each month in different hemispheres.

Astronomy for Beginners Baby 2016-04

Look up the sky and see stars as more than brilliant specks in the night sky. This educational book will serve as the perfect introduction to astronomy. You

can also use it as a complement to your child's school lessons and official textbooks. Secure a copy of this book today!

The Astronomy Book - DK
2021-02-02

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
Beginner's Guide to Amateur Astronomy - David J. Eicher 1993

Gets beginners off to a great start! Introduces the hobby of astronomy with observation and photographic tips. Identifies the best sky objects to observe using the naked eye, binoculars, and backyard telescopes. By David J. Eicher, managing editor of Astronomy magazine. 7 3/8 x 9 5/8; 166

pgs.; 80 b&w and 80 color photos; softcover.

Observational Astronomy: a Book for Beginners - Arthur Mee 1893

50 Things to See with a Small Telescope (Southern Hemisphere Edition) - John A Read 2017-05-28

This special edition has been designed specifically for aspiring astronomers living south of the equator. This book explores the planets, stars, galaxies and nebulae observable from the southern hemisphere. Not only does this book illustrate how to observe, it also shows how each object appears through a small telescope!

Astronomy For Beginners
Sally R Ball 2020-10-08

Astronomy is inherently more observational rather than an elemental study of science. All measurements are performed at a greater distance from the object of interest, with no control of quantities such as chemical composition, pressure, or temperature. You will also understand the study

of the solar system with relation to the gravitational attraction that holds the planets in their elliptical orbits around the sun. An early study of the universe was done through the naked eyes. This method led to the categorization of the celestial bodies and assigned constellations. Constellation has been a very important navigational tool since the beginning of the world. Various disciplines of Astronomy will also be discussed. Examples of such disciplines include: - Astrophysics - Galactic astronomy - Galaxy Formation - Cosmology - Astrometry - Extragalactic astronomy - Stellar astronomy - Planetary sciences - Astrobiology - Formation of stars

The Backyard Astronomer's Guide - Terence Dickinson
2021-09-15

The touchstone for contemporary stargazers. This classic, groundbreaking guide has been the go-to field guide for both beginning and experienced amateur astronomers for nearly 30

years. The fourth edition brings Terence Dickinson and Alan Dyer's invaluable manual completely up-to-date. Setting a new standard for astronomy guides, it will serve as the touchstone for the next generation of stargazers as well as longtime devotees. Technology and astronomical understanding are evolving at a breathtaking clip, and to reflect the latest information about observing techniques and equipment, this massively revised and expanded edition has been completely rebuilt (an additional 48 pages brings the page count to 416). Illustrated throughout with all-new photographs and star charts, this edition boasts a refreshed design and features five brand-new chapters, including three essential essays on binocular, telescope and Moon tours by renowned astronomy writer Ken Hewitt-White. With new content on naked-eye sky sights, LED lighting technology, WiFi-enabled telescopes and the latest advances in binoculars, telescopes and other

astronomical gear, the fourth edition of *The Backyard Astronomer's Guide* is sure to become an indispensable reference for all levels of stargazers. New techniques for observing the Sun, the Moon and solar and lunar eclipses are an especially timely addition, given the upcoming solar eclipses in 2023 and 2024. Rounding out these impressive offerings are new sections on dark sky reserves, astro-tourism, modern astrophotography and cellphone astrophotography, making this book an enduring must-have guide for anyone looking to improve his or her astronomical viewing experience. *The Backyard Astronomer's Guide* also features a foreword by Dr. Sara Seager, a Canadian-American astrophysicist and planetary scientist at the Massachusetts Institute of Technology and an internationally recognized expert in the search for exoplanets.

Binocular Stargazing Mike D. Reynolds 2005-10-25
A guide to viewing stars, the

moon, planets, meteors, comets, and aurora through binoculars. Features a foreword by renowned astronomer and writer David Levy. Includes a complete guide to current binocular brands and models and explains what to look for in each season.

The Love Hypothesis Ali Hazelwood 2021-09-14
The Instant New York Times Bestseller and TikTok Sensation! As seen on THE VIEW! A BuzzFeed Best Summer Read of 2021 When a fake relationship between scientists meets the irresistible force of attraction, it throws one woman's carefully calculated theories on love into chaos. As a third-year Ph.D. candidate, Olive Smith doesn't believe in lasting romantic relationships--but her best friend does, and that's what got her into this situation. Convincing Anh that Olive is dating and well on her way to a happily ever after was always going to take more than hand-wavy Jedi mind tricks: Scientists require proof. So,

like any self-respecting biologist, Olive panics and kisses the first man she sees. That man is none other than Adam Carlsen, a young hotshot professor--and well-known ass. Which is why Olive is positively floored when Stanford's reigning lab tyrant agrees to keep her charade a secret and be her fake boyfriend. But when a big science conference goes haywire, putting Olive's career on the Bunsen burner, Adam surprises her again with his unyielding support and even more unyielding...six-pack abs. Suddenly their little experiment feels dangerously close to combustion. And Olive discovers that the only thing more complicated than a hypothesis on love is putting her own heart under the microscope.

Astronomy for Beginners - Frederick Ringwald 2013-08-30

Catching Stardust - Natalie Starkey 2018-03-08
'A promising debut.' New Scientist Icy, rocky, sometimes dusty, always mysterious - comets and asteroids are

among the Solar System's very oldest inhabitants, formed within a swirling cloud of gas and dust in the area of space that eventually hosted the Sun and its planets. Locked within each of these extra-terrestrial objects is the 4.6-billion-year wisdom of Solar System events, and by studying them at close quarters using spacecraft we can coerce them into revealing their closely-guarded secrets. This offers us the chance to answer some fundamental questions about our planet and its inhabitants. Exploring comets and asteroids also allows us to shape the story of Earth's future, enabling us to protect our precious planet from the threat of a catastrophic impact from space, and maybe to even recover valuable raw materials from them. This cosmic bounty could be as useful in space as it is on Earth, providing the necessary fuel and supplies for humans as they voyage into deep space to explore more distant locations within the Solar System. Catching Stardust tells the story of these

enigmatic celestial objects, revealing how scientists are using them to help understand a crucial time in our history - the birth of the Solar System, and everything contained within it.

Sky & Telescope's Pocket Sky Atlas - Roger W. Sinnott

2019-09-30

Perfect for experienced observers and beginners alike, this second edition of Sky & Telescope's Pocket Sky Atlas will quickly have you exploring the heavens with depth and mastery.

Astronomy - Eric Chaisson
2013

Turn Left at Ori Guy Consolmagno 2011-09-22

With over 100,000 copies sold since first publication, this is one of the most popular astronomy books of all time. It is a unique guidebook to the night sky, providing all the information you need to observe a whole host of celestial objects. With a new spiral binding, this edition is even easier to use outdoors at the telescope and is the ideal

beginner's book. Keeping its distinct one-object-per-spread format, this edition is also designed for Dobsonian telescopes, as well as for smaller reflectors and refractors, and covers Southern hemisphere objects in more detail. Large-format eyepiece views, positioned side-by-side, show objects exactly as they are seen through a telescope, and with improved directions, updated tables of astronomical information and an expanded night-by-night Moon section, it has never been easier to explore the night sky on your own. Many additional resources are available on the accompanying website, www.cambridge.org/turnleft.

The Outer Planets -

Britannica Educational Publishing 2011-05-01

As our ability to observe space improves with ever-progressing technology, we better grasp the farthest reaches of the cosmos and heighten our understanding of the universe in its entirety. Spacecraft exploration of the outermost

planets in our solar system—Jupiter, Saturn, Uranus, and Neptune—reveals many features of these seemingly harsh environments and moves us closer to comprehending the origins of our own planet as well as others. This insightful volume examines the characteristics of these remote planets and the paths they illuminate in our quest for celestial knowledge.

[Introduction to Astronomy and Cosmology](#) - Ian Morison
2013-03-18

Introduction to Astronomy & Cosmology is a modern undergraduate textbook, combining both the theory behind astronomy with the very latest developments. Written for science students, this book takes a carefully developed scientific approach to this dynamic subject. Every major concept is accompanied by a worked example with end of chapter problems to improve understanding. Includes coverage of the very latest developments such as double pulsars and the dark galaxy. Beautifully illustrated in full

colour throughout. Supplementary web site with many additional full colour images, content, and latest developments.

The Universe in Bite-sized Chunks - Colin Stuart
2018-03-22

Since the earliest humans walked the earth, the vast mysteries and wonders of the night sky have fascinated and beguiled us, as we've struggled to understand our place in the cosmos. Even after the last century, which saw important and startling discoveries about our own planet, our solar system and the stars and galaxies beyond, there remain more questions than answers. But those questions - What is dark matter? Are we alone in the universe? Is time travel possible? - provide a fascinating insight into the vastness and infinite possibilities of space that we're yet to determine. The sheer scale of the universe can be intimidating, but in this easily digestible book we embark on an incredible journey through all the essential astronomical

discoveries, from the beliefs of ancient civilizations, through to the recent groundbreaking observations of the gravitational waves predicted by Einstein over 100 years ago. There's never been a better time to get to grips with the universe and this essential guide to the cosmos is the perfect place to start!

Pale Blue Dot - Carl Sagan
2011-07-06

"Fascinating . . . memorable . . . revealing . . . perhaps the best of Carl Sagan's books."—The Washington Post Book World (front page review) In *Cosmos*, the late astronomer Carl Sagan cast his gaze over the magnificent mystery of the Universe and made it accessible to millions of people around the world. Now in this stunning sequel, Carl Sagan completes his revolutionary journey through space and time. Future generations will look back on our epoch as the time when the human race finally broke into a radically new frontier—space. In *Pale Blue Dot*, Sagan traces the spellbinding history of our

launch into the cosmos and assesses the future that looms before us as we move out into our own solar system and on to distant galaxies beyond. The exploration and eventual settlement of other worlds is neither a fantasy nor luxury, insists Sagan, but rather a necessary condition for the survival of the human race.

"Takes readers far beyond *Cosmos* . . . Sagan sees humanity's future in the stars."—Chicago Tribune

Astronomy For Beginners -
Jeff Becan 2008-01-08

Astronomy For Beginners is a friendly and accessible guide to our universe, our galaxy, our solar system and the planet we call home. Each year as we cruise through space on this tiny blue-green wonder, a number of amazing and remarkable events occur. For example, like clockwork, we'll run head-on into asteroid and cometary debris that spreads shooting stars across our skies. On occasion, we'll get to watch the disk of the Moon passing the Sun, casting its shadow on the face of the Earth, and

sometimes we'll get to watch our own shadow as it glides across the face of the Moon. The Sun's path will constantly change across the daytime sky, as will the stars and constellations at night. During this time, we'll also get to watch the other majestic planets in our solar system wander the skies, as they too circle the Sun in this elaborate celestial dance. Astronomy For Beginners will explain this elaborate celestial dance - the patterns of the heavens, the equinoxes and the solstices, the major meteor showers, and the solar and lunar eclipses. In addition, Astronomy For Beginners will also take you on a guided tour of the solar system and beyond. We'll discover how the way we measure time itself is intimately related to celestial phenomena, and we'll furthermore explore our historical and continuing mission to understand our place in this marvelous universe in which we find ourselves. Oh yeah, one more thing: Astronomy For

Beginners will not only help you become an expert in space and time - but it also promises to be a pretty fun ride!

National Geographic Backyard Guide to the Night Sky, 2nd Edition - Andrew Fazekas
2019-03-19

Explore the star-studded cosmos with this fully updated, user-friendly skywatcher's guide, filled with charts, graphics, photographs, and expert tips for viewing -- and understanding -- the wonders of space. Stargazing's too much fun to leave to astronomers. In these inviting pages, "Night Sky Guy" Andrew Fazekas takes an expert but easygoing approach that will delight would-be astronomers of all levels. Essential information, organized logically, brings the solar system, stars, and planets to life in your own backyard. Start with the easiest constellations and then "star-hop" across the night sky to find others nearby. Learn about the dark side of the moon, how to pick Mars out of a planetary lineup, and which kinds of stars twinkle in your favorite

constellations. Hands-on tips and techniques for observing with the naked eye, binoculars, or a telescope help make the most out of sightings and astronomical phenomena such as eclipses and meteor showers. Photographs and graphics present key facts in an easy-to-understand format, explaining heavenly phenomena such as black holes, solar flares, and supernovas. Revised to make skywatching even easier for the whole family, this indispensable guide shines light on the night sky--truly one of the greatest shows on Earth!

Astrophotography is Easy!
Gregory I. Redfern 2020-10-29

There are many books covering different facets of astrophotography, but few of them contain all the necessary steps for beginners in one accessible place. *Astrophotography is Easy!* fills that void, serving as a guide to anybody interested in the subject but starting totally from scratch. Assuming no prior experience, the author runs through the basics for

how to take astrophotos using just a camera—including cell phones and tablets—as well as a telescope and more sophisticated equipment. The book includes proven techniques, checklists, safety guidelines, troubleshooting tips, and more. Each chapter builds upon the last, allowing readers to master basic techniques before moving on to more challenging material. Also included is a comprehensive list of additional books and resources on a variety of topics so readers can continue expanding their skills.

Astrophotography Is Easy! doesn't simply teach you the basic skills for becoming an astrophotographer: it provides you with the foundations you will need for a lifelong pursuit.

Stargazing - Greenwich Royal Observatory 2016-09-19

This is an introductory guide to the night sky, from the Royal Observatory Greenwich. Offering complete advice from the ground up, *Stargazing* is the perfect manual for beginners to astronomy,

introducing the world of telescopes, planets, stars, dark skies and celestial maps. Discover how to tackle light pollution, how to stargaze with just your eyes, and what equipment is best for beginners. This book explains the best ways to plan your stargazing experience and the keys things to look out for on specific dates throughout the year. With seasonal star charts, constellation charts and facts about our Solar System, Stargazing is packed full of useful information and guidance for both the Northern and Southern Hemispheres. Bridging the gap between human curiosity and the need for scientific expertise, Stargazing allows a complete novice to understand our place in the cosmos and enjoy the beautiful and extraordinary wonders of the night sky.

Getting Started in Radio Astronomy - Steven Arnold
2013-09-24

Radio astronomy is a mystery to the majority of amateur astronomers, yet it is the best subject to turn to when

desirous of an expanded knowledge of the sky. This guide intends to instruct complete newcomers to radio astronomy, and provides help for the first steps on the road towards the study of this fascinating subject. In addition to a history of the science behind the pursuit, directions are included for four easy-to-build projects, based around long-term NASA and Stanford Solar Center projects. The first three projects constitute self-contained units available as kits, so there is no need to hunt around for parts. The fourth - more advanced - project encourages readers to do their own research and track down items. Getting Started in Radio Astronomy provides an overall introduction to listening in on the radio spectrum. With details of equipment that really works, a list of suppliers, lists of online help forums, and written by someone who has actually built and operated the tools described, this book contains everything the newcomer to radio astronomy needs to get going.

Space a Visual Encyclopedia

- DK 2020-08-18

From the Moon, Sun, and planets of our Solar System to space exploration, black holes, and dark matter, this completely revised and updated children's encyclopedia covers all you need to know about the cosmos. The most up-to-date images from space agencies such as NASA and ESA combine with info panels, timelines, interviews, diagrams, and activities you can do at home to help you understand the majesty and wonder of space. Learn about the Space Race, the Apollo Moon Landings, the Voyager craft that first probed the outer planets, the Hubble telescope, and the International Space Station (ISS) - the state-of-the-art laboratory orbiting Earth. Find out about future missions, space tourism, and the latest discoveries in the furthest reaches of our galaxy. Discover how to find constellations and where to look for stars and planets, including Venus and Mars, in the night sky. Learn

how galaxies such as our Milky Way were formed. Part of a series of best-selling encyclopedias for children, *Space: A Children's Encyclopedia* is a rocket ride from the beginning of time to the near future, and from planet Earth out to the furthest reaches of the Universe.

From Here to Infinity John Gribbin 2009-02

Presents an introduction to astronomy, including the planets, stars, galaxies, and the field of cosmology.

Astronomy - Andrew Fraknoi 2017-12-19

Astronomy is written in clear non-technical language, with the occasional touch of humor and a wide range of clarifying illustrations. It has many analogies drawn from everyday life to help non-science majors appreciate, on their own terms, what our modern exploration of the universe is revealing. The book can be used for either a one-semester or two-semester introductory course (bear in mind, you can customize your version and include only those chapters or sections you will be

teaching.) It is made available free of charge in electronic form (and low cost in printed form) to students around the world. If you have ever thrown up your hands in despair over the spiraling cost of astronomy textbooks, you owe your students a good look at this one. Coverage and Scope Astronomy was written, updated, and reviewed by a broad range of astronomers and astronomy educators in a strong community effort. It is designed to meet scope and sequence requirements of introductory astronomy courses nationwide. Chapter 1: Science and the Universe: A Brief Tour Chapter 2: Observing the Sky: The Birth of Astronomy Chapter 3: Orbits and Gravity Chapter 4: Earth, Moon, and Sky Chapter 5: Radiation and Spectra Chapter 6: Astronomical Instruments Chapter 7: Other Worlds: An Introduction to the Solar System Chapter 8: Earth as a Planet Chapter 9: Cratered Worlds Chapter 10: Earthlike Planets: Venus and Mars Chapter 11: The Giant Planets

Chapter 12: Rings, Moons, and Pluto Chapter 13: Comets and Asteroids: Debris of the Solar System Chapter 14: Cosmic Samples and the Origin of the Solar System Chapter 15: The Sun: A Garden-Variety Star Chapter 16: The Sun: A Nuclear Powerhouse Chapter 17: Analyzing Starlight Chapter 18: The Stars: A Celestial Census Chapter 19: Celestial Distances Chapter 20: Between the Stars: Gas and Dust in Space Chapter 21: The Birth of Stars and the Discovery of Planets outside the Solar System Chapter 22: Stars from Adolescence to Old Age Chapter 23: The Death of Stars Chapter 24: Black Holes and Curved Spacetime Chapter 25: The Milky Way Galaxy Chapter 26: Galaxies Chapter 27: Active Galaxies, Quasars, and Supermassive Black Holes Chapter 28: The Evolution and Distribution of Galaxies Chapter 29: The Big Bang Chapter 30: Life in the Universe Appendix A: How to Study for Your Introductory Astronomy Course Appendix B: Astronomy Websites, Pictures,

and Apps Appendix C:
Scientific Notation Appendix D:
Units Used in Science
Appendix E: Some Useful
Constants for Astronomy
Appendix F: Physical and
Orbital Data for the Planets
Appendix G: Selected Moons of
the Planets Appendix H:
Upcoming Total Eclipses
Appendix I: The Nearest Stars,
Brown Dwarfs, and White
Dwarfs Appendix J: The
Brightest Twenty Stars
Appendix K: The Chemical
Elements Appendix L: The
Constellations Appendix M:
Star Charts and Sky Event
Resources

The Monthly Sky Guide - Ian
Ridpath 2012-12-10

The ninth edition of Ian
Ridpath and Wil Tirion's
famous guide to the night sky
is updated with planet
positions and forthcoming
eclipses to the end of the year
2017. It contains twelve
chapters describing the main
sights visible in each month of
the year, providing an easy-to-
use companion for anyone
wanting to identify prominent
stars, constellations, star

clusters, nebulae and galaxies;
to watch out for meteor
showers ('shooting stars'); or to
follow the movements of the
four brightest planets, Venus,
Mars, Jupiter and Saturn. Most
of the sights described are
visible to the naked eye and all
are within reach of binoculars
or a small telescope. This
revised and updated edition
includes sections on observing
the Moon and the planets, with
a comprehensive Moon map.
The Monthly Sky Guide offers a
clear and simple introduction
to the skies of the northern
hemisphere for beginners of all
ages.

**Textbook on Spherical
Astronomy** - William Marshall
Smart 1977-07-07

This new revision of a standard
work gives a general but
comprehensive introduction to
positional astronomy. Useful
for researchers as well as
undergraduates.

[Astronomy For Dummies](#) -
Stephen P. Maran 1999

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. **Astronomy** - Dinah L. Moché

1978

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
Astronomy 101 - Carolyn Collins Petersen 2013-06-18 Explore the curiosities of our galaxy with this comprehensive, digestible guide to astronomy! 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.

Exploring the Night Sky -

Terence Dickinson 1987-01-01

A basic guide for beginning observers of the night sky, introducing information on the locations, names, and characteristics of stars.

NightWatch - Terence

Dickinson 2006

A reference guide for stargazers offers star charts and information on equipment, planets, and stellar photography.

Stargazing For Dummies -

Steve Owens 2013-03-18

Reach for the stars Stargazing

is the practice of observing the night sky and its contents - from constellations through to planets and galaxies. Stars and other night sky objects can be seen with the naked eye, or seen in greater numbers and in more detail with binoculars or a telescope. Stargazing For Dummies offers you the chance to explore the night sky, providing a detailed guide to the main constellations and also offering advice on viewing other night sky objects such as planets and nebulae. It's a great introduction to a fun new hobby, and even provides a fun way to get the kids outside while doing something educational! Gives you an introduction to looking at the sky with binoculars or a telescope Offers advice on photographing the night sky Without needing to get your head around mind-bending theories, you can take part in some practical physics If you're looking for easy-to-follow guidance on getting to know the night sky, Stargazing For Dummies has you covered.

Stargazing Basics - Paul E.

Kinzer 2015-07-09

A simple guide to get you started in astronomy, from observing the night sky to purchasing binoculars and telescopes.

[Astronomy Observation Book](#) -

Voxtur Books 2020-06-07

Just as the stars shine in the dark, so do you! Even though we are born too late to explore the earth and born too soon to explore the Galaxy - We can still gaze at the stars and the moons. After all, Cosmos is all that is, or ever was, or ever will be. Not many have the understanding or passion - You are not one of them! This Astronomy observation journal is perfect for people like you who are captivated by the outer space and addicted to astronomy. You don't have to make astronomy observation notes on little pieces of paper or in random notebooks. Record your astronomy observations in an organized way with this easy-to-use journal. Use this 108 page 6"X 9" log book to capture your observation details, keep track of the date, time, location, sky

conditions, equipment used! ♥

Ideal all astronomers, astrophiles (beginners and experienced alike) and makes a thoughtful gift for star-gazers ♥ Pick up your copy clicking the BUY NOW button at the top and CHRONICLE YOUR STAR-TREK!

[NightWatch](#) - Terence

Dickinson 2006

Serves as a useful reference guide to stargazers around the world.

Essential Radio Astronomy -

James J. Condon 2016-04-05

The ideal text for a one-semester course in radio astronomy Essential Radio Astronomy is the only textbook on the subject specifically designed for a one-semester introductory course for advanced undergraduates or graduate students in astronomy and astrophysics. It starts from first principles in order to fill gaps in students' backgrounds, make teaching easier for professors who are not expert radio astronomers, and provide a useful reference to the essential equations used by practitioners. This unique

textbook reflects the fact that students of multiwavelength astronomy typically can afford to spend only one semester studying the observational techniques particular to each wavelength band. Essential Radio Astronomy presents only the most crucial concepts—succinctly and accessibly. It covers the general principles behind radio telescopes, receivers, and digital backends without getting bogged down in engineering details. Emphasizing the physical processes in radio sources, the book's approach is shaped by the view that radio astrophysics owes more to thermodynamics than electromagnetism. Proven in the classroom and generously

illustrated throughout, Essential Radio Astronomy is an invaluable resource for students and researchers alike. The only textbook specifically designed for a one-semester course in radio astronomy Starts from first principles Makes teaching easier for astronomy professors who are not expert radio astronomers Emphasizes the physical processes in radio sources Covers the principles behind radio telescopes and receivers Provides the essential equations and fundamental constants used by practitioners Supplementary website includes lecture notes, problem sets, exams, and links to interactive demonstrations An online illustration package is available to professors