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flexibility. Semester 1: Meteorology The Earth was created to be the dwelling place of man. It is a complex world and its weather patterns affect our lives every day. Whether you live near the equator, a polar region, or somewhere in between, knowledge of the weather is important. The Weather Book will teach you: why our exact distance from the sun allows life on earth, how the weather on the other side of the earth affects you, how clouds form and how to identify the different types, what the difference is between a cold and warm front, why you can often see lightning long before you can hear thunder, how to build your own weather station, how to survive in dangerous weather, what the greenhouse effect and the ozone hole are, what Noah ' s flood and the Ice Age have in common, how weatherpersons forecast hurricanes and tornadoes, how to read a weather map, and what our responsibility is to the environment. Learning about the weather is fun! It will change the way you look at the clouds in the sky. Now you ' ll have more of an understanding about what is going on miles above your head. And when you hear a weather report on television, you will understand so much more about the world around you!. Semester 2: Astronomy One thing we have in common with the ancients is that all of the human race has gazed at the night sky, and the bright morning, and wondered, " What ' s out there? " Our universe is so vast and awe-inspiring that to learn about it is to learn about ourselves. The Astronomy Book will teach you: what long-ago astronomers thought about other worlds, solar system facts, how constellations relate to astrology, the history of space exploration, black holes-do they exist?, the origin and age of the moon, why Mars doesn't support life, the composition of stars, supernova remnants, and the myth of star birth, asteroid legends and the extinction of the dinosaurs, are there

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Learning about the universe is huge fun! In the almost infinite expanse above us, we can examine planets, galaxies, and phenomena so beautiful and complex that we never outgrow a childlike wonder.

We see our own reflection in the moon, the stars, and in comet trails. The more we learn, the less we fear!

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Cosmic Perspective, The, Loose-Leaf Edition 0134988833 / 9780134988832 Mastering Astronomy with Pearson eText -- ValuePack Access Card -- for Cosmic Perspective, The 0321765184 / 9780321765185 SkyGazer 5.0 Student Access Code Card (Integrated component) Intro to Meteorology & Astronomy Teacher Guide Addison-Wesley 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 Astronomy Today Pearson Teacher Guide for the 36-week, 9th-12th grade science course! The vital resource for grading all assignments from the Survey of Astronomy course, which includes: Facts that challenge secular theories and models of the universe - how it began and how it continues to amaze the scientific community Information about our universe and God ' s powerful hand in His created cosmos, including how the moon could only have been placed in its orbit by an all-knowing, all-powerful Creator. OVERVIEW: The Psalmist wrote, " When I consider Your heavens, the work of Your fingers,
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the moon and the stars, which You have ordained, what is man that You are mindful of him, and the Son of man that You visit him? ” (Ps. 8:3-6). Students taking this course will tour the universe, marveling at our galaxy through full-color star charts, easy-to-use illustrations, and even glimpses of the red supergiant star Betelgeuse over 3000 trillion miles away without the need of binoculars or a telescope. They will also be able to answer questions like: “ How do phases of the moon work? When will the next solar eclipse take place? What is that bright star setting in the west? How do I find Saturn? What sorts of objects can be seen with binoculars? ” These questions and many more are easily

answered with the helpful tips and basic understanding of astronomy presented through the materials included in this course. Take a few moments to stand and look up at the glorious night sky, appreciating the majestic beauty of God ’ s vast universe. FEATURES: The calendar provides lesson planning with clear objectives, and the worksheets and quizzes are all based on the materials provided for the course. Astronomy Pearson Building on a long tradition of effective pedagogy and comprehensive coverage, The Cosmic Perspective , Sixth Edition provides the most engaging and up-to-date introduction to astronomy for non-

science majors. The text provides a wealth of features to help enhance student skill building, including new Visual Skills Check end-of-chapter questions that provide an opportunity for students to test their visual interpretation skills, new Cosmic Context Figures that help students synthesize key concepts and processes, and a new comprehensive visual overview of scale to help students explore the scale of time and space. The Sixth Edition has also been fully updated to include the latest astronomical observations, research, and theoretical

developments. The text is supported by the most robust package of instructor ancillaries, and MasteringAstronomy (tm) , the market-leading online tutorial and homework system, has been updated to include a wealth of new content to help students learn and review more efficiently outside of class. Two volumes of this text are also available: The Cosmic Perspective: The Solar System, Sixth Edition (includes Chapters 1-13, 24) The Cosmic Perspective: Stars, Galaxies, and Cosmology, Sixth Edition (includes Chapters 1-6, S2-S4, 14-24)