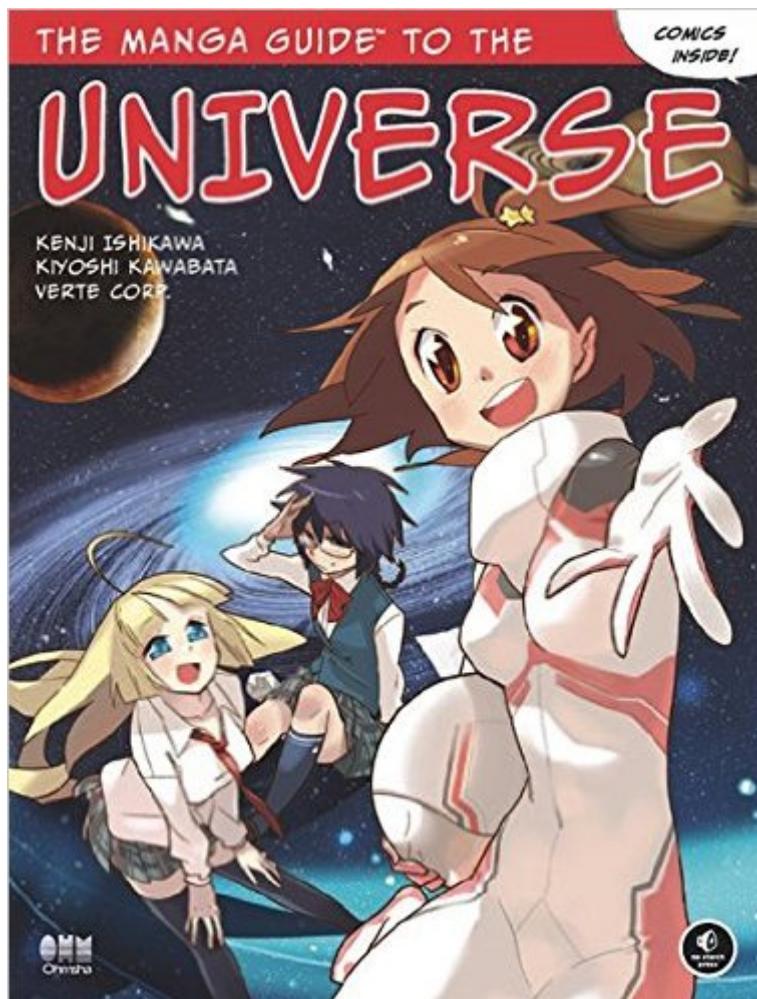


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# The Manga Guide To The Universe



## **Synopsis**

Join Kanna, Kanta, Yamane, and Gloria in *The Manga Guide to the Universe* as they explore our solar system, the Milky Way, and faraway galaxies in search of the universe's greatest mysteries: dark matter, cosmic expansion, and the Big Bang itself. As you rocket across the night sky, you'll become acquainted with modern astronomy and astrophysics, as well as the classical discoveries and theories on which they're built. You'll even learn why some scientists believe finding extraterrestrial life is inevitable! You'll also learn about: Discoveries made by Copernicus, Galileo, Kepler, Hubble, and other seminal astronomers Theories of the universe's origins, evolution, and geometry The ways you can measure and observe heavenly bodies with different telescopes, and how astronomers calculate distances in space Stellar classifications and how the temperature, size, and magnitude of a star are related Cosmic background radiation, what the WMAP satellite discovered, and scientists' predictions for the future of the universe So dust off your flight suit and take a fantastic voyage through the cosmos in *The Manga Guide to the Universe*.

## **Book Information**

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Age Range: 9 and up

Grade Level: 7 and up

## **Customer Reviews**

I love this series so much for it's simple clarity and because the stories introduce the material in such a way that it's easier to visualize and understand. In this one, 3 students need to put on a play

to avoid losing their drama club. They decide to do the Tale of the Bamboo Cutter, an ancient story about a bamboo cutter who finds a child in bamboo, the child is from the moon. Talking about it, they realize that they need to know a lot more about space so they can update the story and make it their own. The brother of one of the students is a university student studying astrophysics. With his help, and the help of his teacher, they learn a lot more about the universe. The authors use things like soccer to demonstrate some of the current theories and discuss the history of astrophysics from the time when people thought the earth was the center of a very small universe, to realizing we weren't even the center of our solar system and on to realizing just how vast the universe is. They explain the measurements used and a little bit about how our current data is being accumulated. They discuss theories as well as what is known and explain how tests and math are validating the theories that scientists currently have about the universe, its origins, its possible eventual end, and how it all works. Even talking about the possibility of extra-terrestrial life. It's a fantastic introduction into basic astrophysics. Not just for kids but also for adults who would like more understanding. I'm not a scientist. Just an occasional dabbler, I watch Nova and read some of the more popular books on the subject. Where these books absolutely shine is how easy it is to apply the material to things you know so that you can learn it in the stories.

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