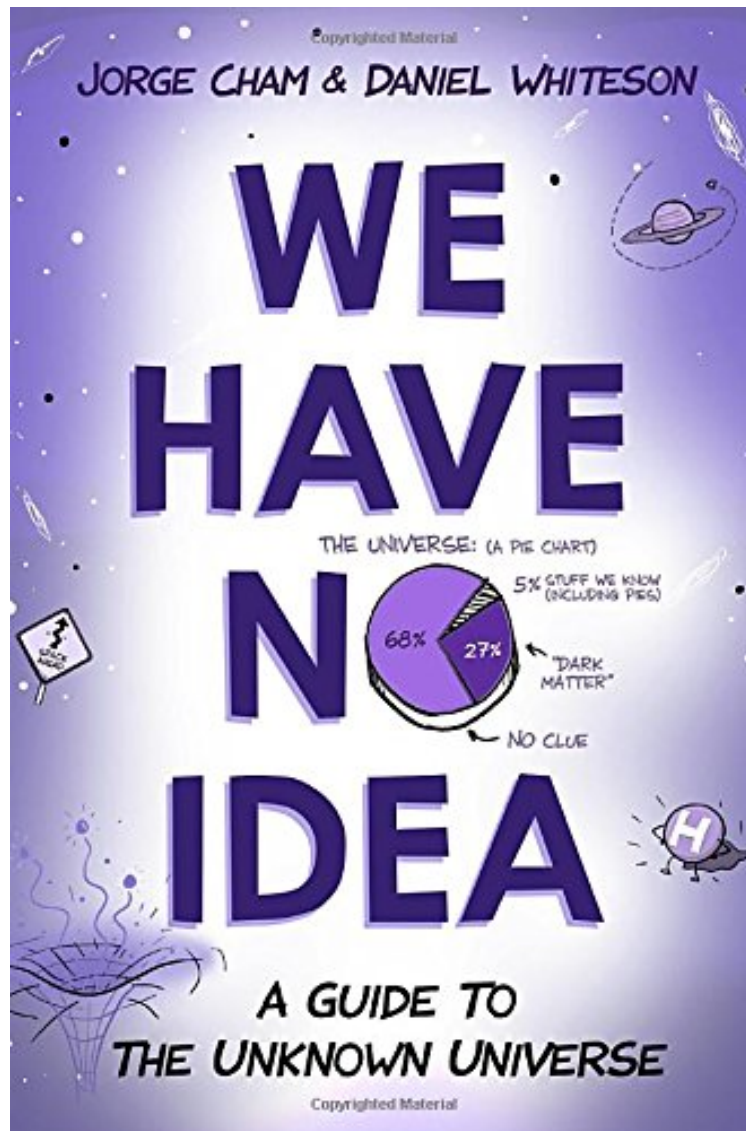


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We Have No Idea: A Guide to the Unknown Universe

Jorge Cham, Daniel Whiteson

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Jorge Cham, Daniel Whiteson : **We Have No Idea: A Guide to the Unknown Universe** before purchasing it in order to gage whether or not it would be worth my time, and all praised We Have No Idea: A Guide to the Unknown Universe:

0 of 0 people found the following review helpful. Physics made funny By Michael Phelps This book manages to explain some very interesting aspects of physics in plain English, and is also absolutely hilarious to read. I started reading this on an airplane and my seatmates must have wondered what I was reading that made me laugh out loud periodically. They never would have guessed that it's a book on physics...25 of 26 people found the following review helpful. Dark

humor for a dark universe
By Paul Halpern
We Have No Idea: A Guide to the Unknown offers a funny and informative romp through the mysteries of cosmology. Each chapter cleverly addresses a key cosmological question, such as whether or not there are higher than three dimensions, what are the missing pieces of the universe's material, and why gravitation is so much weaker than the other forces. Jorge Cham (of PHD Comics) supplies an abundance of hilarious illustrations, each highlighting the absurdity of these cosmic riddles. The science and wit are both sophisticated, relying on a savvy reader to distinguish between truth (as strange as it seems) and the completely ludicrous, such as unicorns roasting marshmallows in another dimension. The book is trippy at times, but so are some of the bizarre ramifications of contemporary physics. If you like your science sprinkled with heaps of sarcastic, far-out, weird humor, it is the perfect book. A truly fun, delightful read!
-Paul Halpern, author of *The Quantum Labyrinth: How Richard Feynman and John Wheeler Revolutionized Time and Reality*
0 of 0 people found the following review helpful. Amazing
By Customer
This book is an incredible survey of the unanswered questions of the universe. While it does try to present the possible answers, it is very much focused on the idea that there is an incredible amount for us to still learn - and just how exciting a concept that is. Highly recommend.

Prepare to learn everything we still don't know about our strange and mysterious universe. Humanity's understanding of the physical world is full of gaps. Not tiny little gaps you can safely ignore there are huge yawning voids in our basic notions of how the world works. PHD Comics creator Jorge Cham and particle physicist Daniel Whiteson have teamed up to explore everything we don't know about the universe: the enormous holes in our knowledge of the cosmos. Armed with their popular infographics, cartoons, and unusually entertaining and lucid explanations of science, they give us the best answers currently available for a lot of questions that are still perplexing scientists, including: * Why does the universe have a speed limit? * Why aren't we all made of antimatter? * What (or who) is attacking Earth with tiny, superfast particles? * What is dark matter, and why does it keep ignoring us? It turns out the universe is full of weird things that don't make any sense. But Cham and Whiteson make a compelling case that the questions we can't answer are as interesting as the ones we can. This fully illustrated introduction to the biggest mysteries in physics also helpfully demystifies many complicated things we do know about, from quarks and neutrinos to gravitational waves and exploding black holes. With equal doses of humor and delight, Cham and Whiteson invite us to see the universe as a possibly boundless expanse of uncharted territory that's still ours to explore.

Accessible and entertaining. . . . Cham and Whiteson distill the essence of the little we know and the lots we have no idea about. . . . a very enjoyable read. Nature
This witty book reveals the humbling vastness of our ignorance about the universe, along with charming insights into what we actually do understand. Carlo Rovelli, author of *Seven Brief Lessons on Physics* and *Reality Is Not What It Seems*
You couldn't ask for better guides to the mind-bending mysteries of cutting-edge physics than Jorge Cham and Daniel Whiteson. They bring a whimsical light touch to some very heavy topics, and the result is a sheer delight for the reader. Jennifer Ouellette, author of *The Calculus Diaries* and *Me, Myself and Why: Searching for the Science of Self*
Science knows a lot about the universe, but the real excitement is in what we don't know. And it's hard to imagine a more enjoyable way to explore the unknown than by reading this book. Jorge Cham and Daniel Whiteson will guide you through the biggest mysteries of the cosmos, smiling all the way. Sean Carroll, author of *The Big Picture: On the Origins of Life, Meaning, and the Universe Itself* A delightful combination of comedy and cosmology that is as charming as it is informative. Zach Weiner
Smith, creator of *Saturday Morning Breakfast Cereal* Not often do you encounter such an optimistic and fun exploration of human ignorance. Henry Reich, creator of *MinutePhysics* Accessible and hilarious (the two best things it is possible for a book to be), *We Have No Idea* not only explores WHAT we don't know, but WHY we don't know it. You'd think that'd be plenty, but Cham and Whiteson also provide the most credible and up-to-date scientific explanations as to what some of the answers to these huge (and hugely important) questions might possibly be, PLUS puns. Ryan North, author of *Romeo and/or Juliet* and *To Be or Not To Be*
About the Author
Jorge Cham is the creator of the popular online comic *Piled Higher and Deeper*, also known as PHD Comics. He earned his PhD in robotics at Stanford. Daniel Whiteson is a professor of experimental particle physics at the University of California, Irvine, and a fellow of the American Physical Society. He conducts research using the Large Hadron Collider at CERN.