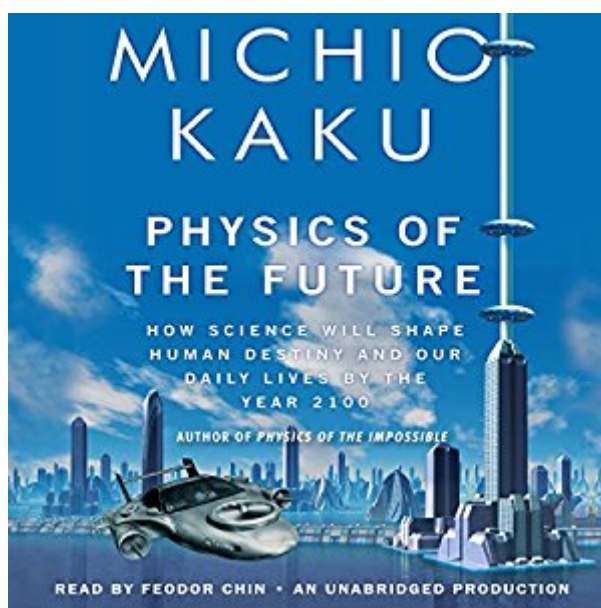


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# Physics Of The Future: How Science Will Shape Human Destiny And Our Daily Lives By The Year 2100



## Synopsis

Imagine, if you can, the world in the year 2100. In *Physics of the Future*, Michio Kaku—the New York Times best-selling author of *Physics of the Impossible*—gives us a stunning, provocative, and exhilarating vision of the coming century based on interviews with over 300 of the world’s top scientists who are already inventing the future in their labs. In all likelihood, by 2100 we will control computers via tiny brain sensors and, like magicians, move objects around with the power of our minds. Artificial intelligence will be dispersed throughout the environment, and Internet-enabled contact lenses will allow us to access the world’s information base or conjure up any image we desire in the blink of an eye. Meanwhile, cars will drive themselves using GPS, and if room-temperature superconductors are discovered, vehicles will effortlessly fly on a cushion of air, coasting on powerful magnetic fields and ushering in the age of magnetism. Using molecular medicine, scientists will be able to grow almost every organ of the body and cure genetic diseases. Millions of tiny DNA sensors and nanoparticles patrolling our blood cells will silently scan our bodies for the first sign of illness, while rapid advances in genetic research will enable us to slow down or maybe even reverse the aging process, allowing human life spans to increase dramatically. In space, radically new ships—vessels using laser propulsion—could replace the expensive chemical rockets of today and perhaps visit nearby stars. Kaku also discusses emotional robots, antimatter rockets, X-ray vision, and the ability to create new life-forms, and he considers the development of the world economy. Synthesizing a vast amount of information to construct an exciting look at the years leading up to 2100, *Physics of the Future* is a thrilling, wondrous ride through the next 100 years of breathtaking scientific revolution.

## Book Information

Audible Audio Edition

Listening Length: 15 hours and 43 minutes

Program Type: Audiobook

Version: Unabridged

Publisher: Random House Audio

Audible.com Release Date: March 15, 2011

Whispersync for Voice: Ready

Language: English

ASIN: B004S4ZF2M

Best Sellers Rank: #14 in Books > Audible Audiobooks > Science > Physics #101 in Books >

Audible Audiobooks > Science > Technology & Engineering #110 in Books > Science & Math > Technology > Social Aspects

## Customer Reviews

I had the pleasure of hearing Michio Kaku speak at a convention and figured if his books are as thought provoking as his speeches, I should grab one. He does write well but I think the title of this one is a bit misleading. It ranges far beyond physics to a variety of sciences to lay out a timeline of coming advances but most importantly it goes far beyond science to human relationships, economics and trade and personal lifestyle. Probably the most intriguing development to me is the incorporation of computers into a contact lens that is capable of being controlled telepathically and that can perform all the functions that current machines do and more. Pick up a copy in a bookstore or library, read the last section which describes a "day in life" of a person on New Year's day in 2100. If that doesn't pique your interest in knowing how he got there, probably not your type of book, but it was certainly mine!

Interesting read by a man who credibly predicts new discoveries or devices already on the horizon and projecting where technology (and life) will lead if things continue as expected. Of course, nobody knows the future. Cataclysms, world nuclear war, etc., could change the future considerably. His book assumes that society and technology continues on its trajectory. Kaku is a recognized authority connected to many fields of science, so he is not merely an outsider writing a book. He also recognizes the boundaries of our technology. Even in a hundred years, he suggests, we will not have robots capable of creative thought. We will not travel faster than light, etc. He may be too optimistic about human nature. While recognizing how some technology can be misused by criminals or hostile governments, his optimistic outlook wants to believe such problems will be solved or their impacts minimal. I am a little skeptical about this. This is one of those books you cannot put down. Since it is already a few years old, a few of Kaku's predictions have already come to pass, although he did miss the oil glut we are now experiencing.

Definitely an interesting experience. See the world through the eyes of the scientists inventing it today! Although, in a few years some of the items discussed within its pages may become obsolete, there is more that will be relevant for a hundred years. Early on you are bogged down by descriptions, but then you get to the good part. All kinds of different technologies. It's quite exciting to hear about it. I think my only gripe would be that Michio Kaku did not endeavor to put forth the

science towards Psychology and Mental Health, mentioning it occasionally.

As an author currently working on a post-apocalyptic thriller where the apocalypse occurs when mankind has early 22nd century technology, I found Dr. Kaku's work to be extraordinarily helpful in attempting to ground that technology in potential realism. However, this book is much more than a useful tool for research, it is an amazing look into the potentialities of the future, and Dr. Kaku's writing style makes the information quite digestible to the casual science fan.

This book took me ages to read as I truly found myself stopping each chapter to discuss and ponder the messages Dr. Kaku presented. Dr. Kaku has the ability to make this reader understand complex and yet, simple, concepts regarding the world of Theoretical Physics. This book, Dr. Kaku's latest, ponders what is coming up as we reach for the magic year 2100. The cover of the book states, "How science will shape human destiny and our daily lives..." That is precisely what this book did. We look at Artificial Intelligence, Computers, Medicine, Energy, Space travel, Education, Wealth and more. He takes us from the past to what is feasible in stages every generation or so. Even the topic of basic Humanity is discussed and projected upon. Humor is added as he refers back to 'Star Trek' and other Sci Fi benchmarks in our entertainment world. The view of a replicator for instance. Nano-bio technologies that are already in use. We should be careful of what we 'wish.' This was an important book and I do suggest everyone take the time to study it. It is not dry like a textbook, but filled with data.

... except for it's supported by ACTUAL science! I actually rather enjoy this book, I'm about 75% of the way complete with it and I'm absolutely enthralled by the types of technologies described in this book. If you like futuristic shows and movies (Star Treck, iRobot, Terminator..), you'll probably like this book. The author is actually a scientist himself, and all of the predictions that he makes are based off of the works of other scientists. Each chapter is broken into 3 parts, the close, near, and far futures and he explains why certain technologies will take as long as 100 or so years to be complete, while others we can expect to see in the next 10. A very interesting read for sure. The only downside is the chapters are a bit long sometimes, so that can get tiresome when reading for class. If you are particularly interested in medical sciences, there is a whole chapter on medicine of the future as well as supporting details in many other chapters.

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