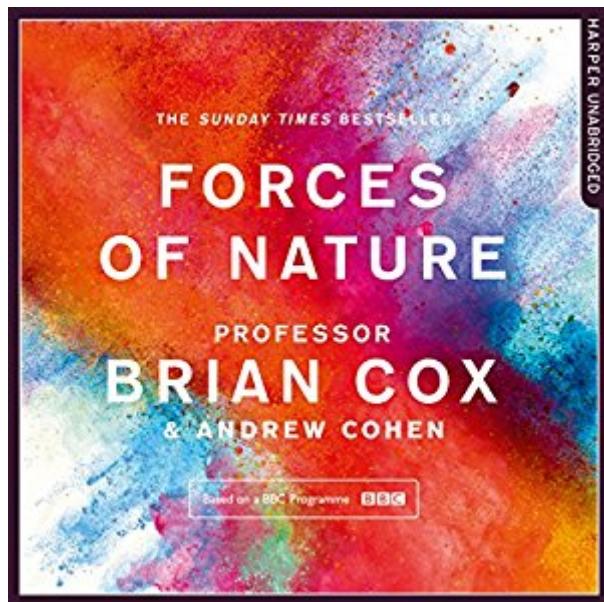


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# Forces Of Nature



## **Synopsis**

A Sunday Times best seller. A breathtaking and beautiful exploration of our planet, this groundbreaking audiobook accompanies the BBC One TV series, providing the deepest answers to the simplest questions. 'What is motion?' 'Why is every snowflake different?' 'Why is life symmetrical?' To answer these and many other questions, Professor Brian Cox uncovers some of the most extraordinary natural events on Earth and in the universe and beyond. From the immensity of the universe and the roundness of Earth to the form of every single snowflake, the forces of nature shape everything we see. Pushed to extremes, the results are astonishing. In seeking to understand the everyday world, the colours, structure, behaviour and history of our home, we develop the knowledge and techniques necessary to step beyond the everyday and approach the universe beyond. Forces of Nature takes you to the great plains of the Serengeti, the volcanoes of Indonesia and the precipitous cliffs in Nepal to the humpback whales of the Caribbean and the northern lights of the Arctic. Brian will answer questions on Earth that will illuminate our understanding of the universe. Think you know our planet? Think again.

## **Book Information**

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## **Customer Reviews**

If you watch lectures by Brian Cox, this is not that. If you studied Physics in college, do not expect a mind blowing break through. Light on words/equations, heavy on (great) pictures. All that said, it's a wonderful book if you go in with the right expectations. I'd still buy it again! Better than fifty shades of non-sense or some vampire/wizard garbage.

This book IS a Force of Nature! LOVE IT!

again, Dr Cox does his thing, and knocks it out of the ball park!!!!

Anything new in spite of the excellent authors

Such a great book!!!

This surprising book exudes the author's enduring sense of wonder and delight at the natural world. Such qualities, when demonstrated by a leading academic, who is also a well-loved and respected TV presenter, can motivate and inspire. I hope many non-scientists read this book. Not an 'easy' read, it demands attention and concentration. But it does explain, where possible in layman's terms, the fundamental forces that control how things are made in this extraordinary universe we occupy. Acknowledging the roles of early pioneers, and explaining the history of discovery, Professor Cox builds pictures of the way brilliant minds have come to understand the way things work in nature. If I have a negative comment, it's only that some early equations in the book would benefit from a few more labels to identify the quantities and qualities described. As the book progresses, however, these very issues, that I imagined were an assumption about readers' mathematical skills and knowledge, are made clearer: the later formulae are better labelled. For someone like me, with all the mathematical aptitude of an artichoke, some of the workings might just as well have been written in Klingon. But that's my problem, not the book's. It's refreshing to find a scientist, a popular one at that, so willing to explain at length that science is not a fixed or exact thing. Its methods, however, are subject to peer scrutiny and its theorems require proofs to reach that status. Science is an area of endeavour where simple speculation coupled with a belief system is no substitute for factual information and a serious attempt to discover the realities. It's refreshing to find this mind-set in a scientist of Professor Cox's stature, since there are, unfortunately, scientists who treat their discipline in the same cavalier way that most religious authorities treat their beliefs: as if somehow the very fact that they believe their myths should render them beyond question. I read this book as background research for a science fiction novel I'm writing. I'm very pleased I did! It's caused me to reconsider certain elements of the future I'm portraying and prevented me appearing more foolish than I might otherwise seem: I've

discovered that certain facts in some fields are not quite what some proponents have declared them to be. This is a book about the forces of nature. Four of them that form the basic building blocks of how the universe, and everything in it, is structured. It's a truly fascinating read, peppered with amusing comments and presented in a very readable manner. What could so easily have been a dry textbook, is actually an entertaining and informative piece of accessible writing. I wish I'd had teachers with Professor Cox's ability to explain things in an engaging and inspiring fashion; my school education would have taken an entirely different and more useful route! Readers with little scientific background may find some of the explanations difficult to comprehend, and those, like me, with poor maths, may have problems understanding some of the proofs. But the Professor makes allowances for these holes in our education and finds ways to make clear what might otherwise be obscure. It's an intriguing and inspiring read and, having thoroughly enjoyed it, I fully recommend the book.

I found this book to be the most accessible, poetically written survey of modern physics, astronomy, biology, etc. I think if I had read the book as a young man I might have stuck with the arduous journey to become a scientist. Books like "The Greatest Story Ever Told (Almost)" certainly go into their topics in more depth..but this book is not meant to be the substitute for a text on physics for non mathematicians. It is instead, a masterpiece meant to inspire deep awe and curiosity about the natural world. If the book does not inspire you and put new lenses on your world view, you probably need to go to bed and rest for a few days.

I love the way this book dives deep down into some of the most thrilling unsolved questions, and on the way there it is full of information and anecdotes that make the reader feel more informed after taking this journey. Thanks Brian!

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