

# Big History From The Big Bang To The Present

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**An Introduction to Big History, With a New Preface** Michael O'Mara Books

This New York Times bestseller "elegantly weaves evidence and insights . . . into a single, accessible historical narrative" (Bill Gates) and presents a captivating history of the universe -- from the Big Bang to dinosaurs to mass globalization and beyond. Most historians study the smallest slivers of time, emphasizing specific dates, individuals, and documents. But what would it look like to study the whole of history, from the big bang through the present day -- and even into the remote future? How would looking at the full span of time change the way we perceive the universe, the earth, and our very existence? These were the questions David Christian set out to answer when he created the field of "Big History," the most exciting new approach to understanding where we have been, where we are, and where we are going. In *Origin Story*, Christian takes readers on a wild ride through the entire 13.8 billion years we've come to know as "history." By focusing on defining events (thresholds), major trends, and profound questions about our origins, Christian exposes the hidden threads that tie everything together -- from the creation of the planet to the advent of agriculture, nuclear war, and beyond. With stunning insights into the origin of the universe, the beginning of life, the emergence of humans, and what the future might bring, *Origin Story* boldly reframes our place in the cosmos.

**Maps of Time** Big HistoryFifth Edition

"A thrilling synthesis from a brilliant scientist who discovered one of the most important chapters in our history." —Sean B. Carroll *Big History*, the field that integrates traditional historical scholarship with scientific insights to study the full sweep of our universe, has so far been the domain of historians. Famed geologist Walter Alvarez—best known for the “Impact Theory” explaining dinosaur extinction—has instead championed a science-first approach to Big History. Here he wields his unique expertise to give us a new appreciation for the incredible occurrences—from the Big Bang to the formation of supercontinents, the dawn of the Bronze Age, and beyond—that have led to our improbable place in the universe.

**A Most Improbable Journey: A Big History of Our Planet and Ourselves** Little, Brown

A dramatically new understanding of human history, challenging our most fundamental assumptions about social evolution—from the development of agriculture and cities to the origins of the state, democracy, and inequality—and revealing new possibilities for human emancipation. For generations, our remote ancestors have been cast as primitive and childlike—either free and equal innocents, or thuggish and warlike. Civilization, we are told, could be achieved only by sacrificing those original freedoms or, alternatively, by taming our baser instincts. David Graeber and David Wengrow show how such theories first emerged in the eighteenth century as a conservative reaction to powerful critiques of European society posed by Indigenous observers and intellectuals. Revisiting this encounter has startling implications for how we make sense of human history today, including the origins of farming, property, cities, democracy, slavery, and civilization itself. Drawing on pathbreaking research in archaeology and anthropology, the authors show how history becomes a far more interesting place once we learn to throw off our conceptual shackles and perceive what’s really there. If humans did not spend 95 percent of their evolutionary past in tiny bands of hunter-gatherers, what were they doing all that time? If agriculture, and cities, did not mean a plunge into hierarchy and domination, then what kinds of social and economic organization did they lead to? The answers are often unexpected, and suggest that the course of human history may be less set in stone, and more full of playful, hopeful possibilities, than we tend to assume. *The Dawn of Everything* fundamentally transforms our understanding of the human past and offers a path toward imagining new forms of freedom, new ways of organizing society. This is a monumental book of formidable intellectual range, animated by curiosity, moral vision,

and a faith in the power of direct action. Includes Black-and-White Illustrations

**Where Science & History Meet Religion** What on Earth Publishing

Is there a "science of history"? Must historians be scientists? What is "history" anyway? Celebrated researchers and historians—including Pulitzer-Prize winner John Lewis Gaddis and Nobel laureate Murray Gell-Mann--debate these complex questions in this thoughtful collection of essays.

**The Little Book of Big History** Independently Published

From the formation of the Universe to today, countless major events have changed the course of life on Earth. Aligned with the online Big History Project supported by Bill Gates, Big History puts a wide-angle lens on 13.8 billion years of remarkable history and shows you how and why we got where we are today. With stunning visual timelines and special CGI reconstructions, you can see history's greatest events. Look back to our origins in the stars, explore everything from the birth of the Sun to modern technology, and see what the future holds for humans. Weaving together multiple disciplines including physics and sociology, and with a foreword by TED speaker Professor David Christian, Big History is a truly unique look at the history of the world.

**A Dictionary of Arts, Sciences, Literature and General Information** Penguin

With text and full-spread illustrations, "Big History in Flight" presents state-of-the-art theories from science and history concerning flight. Milestones and thresholds of life's adaptations to move through the atmosphere are presented alongside the physical principles of fluid dynamics, gravity, buoyancy, and other scientific ideas. Human achievements in flight are shown as they occur, within an evolving political, social, economic landscape; feedback loops which develop between aviation enthusiasts and industrial interests intensify during times of war.Placing these events in chronological order, authors Curtis and Serio explore the monumental journey of humans taking to the sky in a Big Picture format. Beginning with the Big Bang and following this epic narrative through to the present day, human achievement and ingenuity are placed against the vast and fascinating backdrop of the expanding universe.

**From the Big Bang to the Present Day: 14 Billion Years on One Amazing Timeline!** Simon and Schuster

From the Big Bang to the future of our planet, *The Little Book of Big History* divides history into manageable but comprehensive time frames, encompassing the cosmos, the stars, life and everything in between. *Big History* is the attempt to understand and condense the entire story of the cosmos, from the Big Bang to the current day. Combining methods from history, astronomy, physics and biology to draw together the big story arcs of how the universe was created, why planets formed and how life developed, this creates a unique perspective from which to understand the place of mankind in the universe. Excited by the alternative 'framework for all knowledge' that is offered by this approach, Bill Gates is funding the Big History Project, which aims to bring the subject to a wider audience around the world. *The Little Book of Big History* breaks down the main themes of Big History into highly informative and accessible parts for all readers to enjoy. By giving a truly complete timeline of world events, this book shines a whole different light on history as we learned it and makes us think of our history - and our future - in a very different way.

**Big History Aspects** Basic Books

This book blends history and science in the unique new approach called "big history" and is designed for high-school students.

**Warren Buffett on Practically Everything, 1966-2013** Amsterdam University Press

The social and natural sciences have more in common than most people would perhaps suspect.

This thought-provoking study, the first of its kind ever attempted, presents a single straightforward structure which unites the latest scientific views on the history of the Universe, the Solar System, Earth, life and humankind. It contributes to a better understanding of some long-standing academic controversies, such as the root causes for the origins of humankind, the rise of

agriculture and the emergence of early states.

**Existential Risk and the Future of Humanity** Univ of California Press

This urgent and eye-opening book makes the case that protecting humanity's future is the central challenge of our time. If all goes well, human history is just beginning. Our species could survive for billions of years - enough time to end disease, poverty, and injustice, and to flourish in ways unimaginable today. But this vast future is at risk. With the advent of nuclear weapons, humanity entered a new age, where we face existential catastrophes - those from which we could never come back. Since then, these dangers have only multiplied, from climate change to engineered pathogens and artificial intelligence. If we do not act fast to reach a place of safety, it will soon be too late. Drawing on over a decade of research, *The Precipice* explores the cutting-edge science behind the risks we face. It puts them in the context of the greater story of humanity: showing how ending these risks is among the most pressing moral issues of our time. And it points the way forward, to the actions and strategies that can safeguard humanity. An Oxford philosopher committed to putting ideas into action, Toby Ord has advised the US National Intelligence Council, the UK Prime Minister's Office, and the World Bank on the biggest questions facing humanity. In *The Precipice*, he offers a startling reassessment of human history, the future we are failing to protect, and the steps we must take to ensure that our generation is not the last. "A book that seems made for the present moment." —New Yorker

**The Big History Timeline Wallbook** Little, Brown Spark

A New York Times-bestselling author explains how the physical world shaped the history of our species When we talk about human history, we often focus on great leaders, population forces, and decisive wars. But how has the earth itself determined our destiny? Our planet wobbles, driving changes in climate that forced the transition from nomadism to farming. Mountainous terrain led to the development of democracy in Greece. Atmospheric circulation patterns later on shaped the progression of global exploration, colonization, and trade. Even today, voting behavior in the south-east United States ultimately follows the underlying pattern of 75 million-year-old sediments from an ancient sea. Everywhere is the deep imprint of the planetary on the human. From the cultivation of the first crops to the founding of modern states, *Origins* reveals the breathtaking impact of the earth beneath our feet on the shape of our human civilizations.

**From the Big Bang to You** ООО "Издательство "Учитель"

This book is the first book to explore the history workshop approach at the middle and secondary levels.

**Teaching Big History** Simon and Schuster

Take a trip through the history of the world, planet and universe! Totally unique, this amazing timeline stickerbook has 114 stickers that help bring the giant story to life. Beautifully-illustrated and hugely engaging, the 5.5-foot long timeline features captioned white silhouettes on which to place your stickers and build the big picture of the moments, people and events that have shaped the story of mankind. Described by the Telegraph as being "truly impressive", the stickerbook of Big History gives any child (or adult!) the framework and structure they need to make sense of how humankind has progressed. It also makes a wonderful wall display!

**The Big History of Civilizations** Springer Nature

As the twentieth century closed, Fred Adams and Greg Laughlin captured the attention of the world by identifying the five ages of time. In *The Five Ages of the Universe*, Adams and Laughlin demonstrate that we can now understand the complete life story of the cosmos from beginning to end. Adams and Laughlin have been hailed as the creators of the definitive long-term projection of the evolution of the universe. Their achievement is awesome in its scale and profound in its scientific breadth. But *The Five Ages of the Universe* is more than a handbook of the physical processes that guided our past and will shape our future; it is a truly epic story. Without leaving earth, here is a fantastic voyage to the physics of eternity. It is the only biography of the universe

you will ever need.

[The Rise and Fall of the Greatest Texas Oil Fortunes](#) Berrett-Koehler Publishers

Big History: Between Nothing and Everything surveys the past not just of humanity, or even of planet Earth, but of the entire universe. In reading this book instructors and students will retrace a voyage that began 13.7 billion years ago with the Big Bang and the appearance of the universe. Big history incorporates findings from cosmology, earth and life sciences, and human history, and assembles them into a single, universal historical narrative of our universe and of our place within it. The first edition of Big History: Between Nothing and Everything, is written by the pioneers of the field, and presents a framework for learning about anything and everything. It encourages students to think critically about our cumulative history and the future of the world through a variety of lenses.

[The Human Web](#) McGraw-Hill Higher Education

The World in the Year 1000 -- Go West, Young Viking -- The Pan-American Highways of 1000 -- European Slaves -- The World's Richest Man -- Central Asia Splits in Two -- Surprising Journeys -- The Most Globalized Place on Earth.

New Leaf Publishing Group

Big History Fifth Edition McGraw-Hill Higher Education

**Big History and the Future of Humanity** Heinemann

Big History is a new field on a grand scale: it tells the story of the universe over time through a diverse range of disciplines that spans cosmology, physics, chemistry, astronomy, geology, evolutionary biology, anthropology, and archaeology, thereby reconciling traditional human history with environmental geography and natural history. Weaving the myriad threads of evidence-based human knowledge into a master narrative that stretches from the beginning of the universe to the present, the Big History framework helps students make sense of their studies in all disciplines by

illuminating the structures that underlie the universe and the connections among them. Teaching Big History is a powerful analytic and pedagogical resource, and serves as a comprehensive guide for teaching Big History, as well for sharing ideas about the subject and planning a curriculum around it. Readers are also given helpful advice about the administrative and organizational challenges of instituting a general education program constructed around Big History. The book includes teaching materials, examples, and detailed sample exercises. This book is also an engaging first-hand account of how a group of professors built an entire Big History general education curriculum for first-year students, demonstrating how this thoughtful integration of disciplines exemplifies liberal education at its best and illustrating how teaching and learning this incredible story can be transformative for professors and students alike.

**This Fleeting World** Simon and Schuster

This book collates papers presented at two international conferences (held at the Australian National University in 2018 and Birkbeck College London in 2019) exploring the relationships between big history and astrobiology and their wider implications for society. These two relatively new academic disciplines aim to integrate human history with the wider history of the universe and the search for life elsewhere. The book will show that, despite differences in emphasis, big history and astrobiology share much in common, especially their interdisciplinary approaches and the cosmic and evolutionary perspectives that they both engender. Specifically, the book addresses the unified, all-embracing, nature of knowledge, the impact of big history on humanity and the world at large, the possible impact of SETI on astrobiology and big history, the cultural signature of Earth's inhabitants beyond our own planet, and the political implications of a planetary worldview. The principal readership is envisaged to comprise scholars working in the fields of astrobiology, big history and space exploration interested in forging interdisciplinary links between these diverse

topics, together with educators, and a wider public, interested in the societal implications of the cosmic and evolutionary perspectives engendered by research in these fields.

*When Explorers Connected the World—and Globalization Began* Penguin

According to the working definition of the International Big History Association, 'Big History seeks to understand the integrated history of the Cosmos, Earth, Life and Humanity, using the best available empirical evidence and scholarly methods.' In recent years Big History has been developing very fast indeed. Big History courses are taught in the schools and universities of several dozen countries. Hundreds of researchers are involved in studying and teaching Big History. The unique approach of Big History, the interdisciplinary genre of history that deals with the grand narrative of 13.8 billion years, has opened up a vast amount of research agendas. Big History brings together constantly updated information from the scientific disciplines and merges it with the contemplative realms of philosophy and the humanities. It also provides a connection between the past, present, and future. Big History is a colossal and extremely heterogeneous field of research encompassing all the forms of existence and all timescales. Unsurprisingly, Big History may be presented in very different aspects and facets. In this volume the Big History is presented and discussed in three different ways. In its first part, Big History is explored in terms of methodology, theories of knowledge, as well as showcasing the personal approach of scholars to Big History. The second section comprises such articles that could clarify Big History's main trends and laws. The third part of this book explores the nature of teaching Big History as well as profiling a number of educational methods. This volume will be useful both for those who study interdisciplinary macroproblems and for specialists working in focused directions, as well as for those who are interested in evolutionary issues of Astrophysics, Geology, Biology, History, Anthropology, Linguistics and other areas of study. More than that, this edition will challenge and excite your vision of your own life and the exciting new discoveries going on around us!