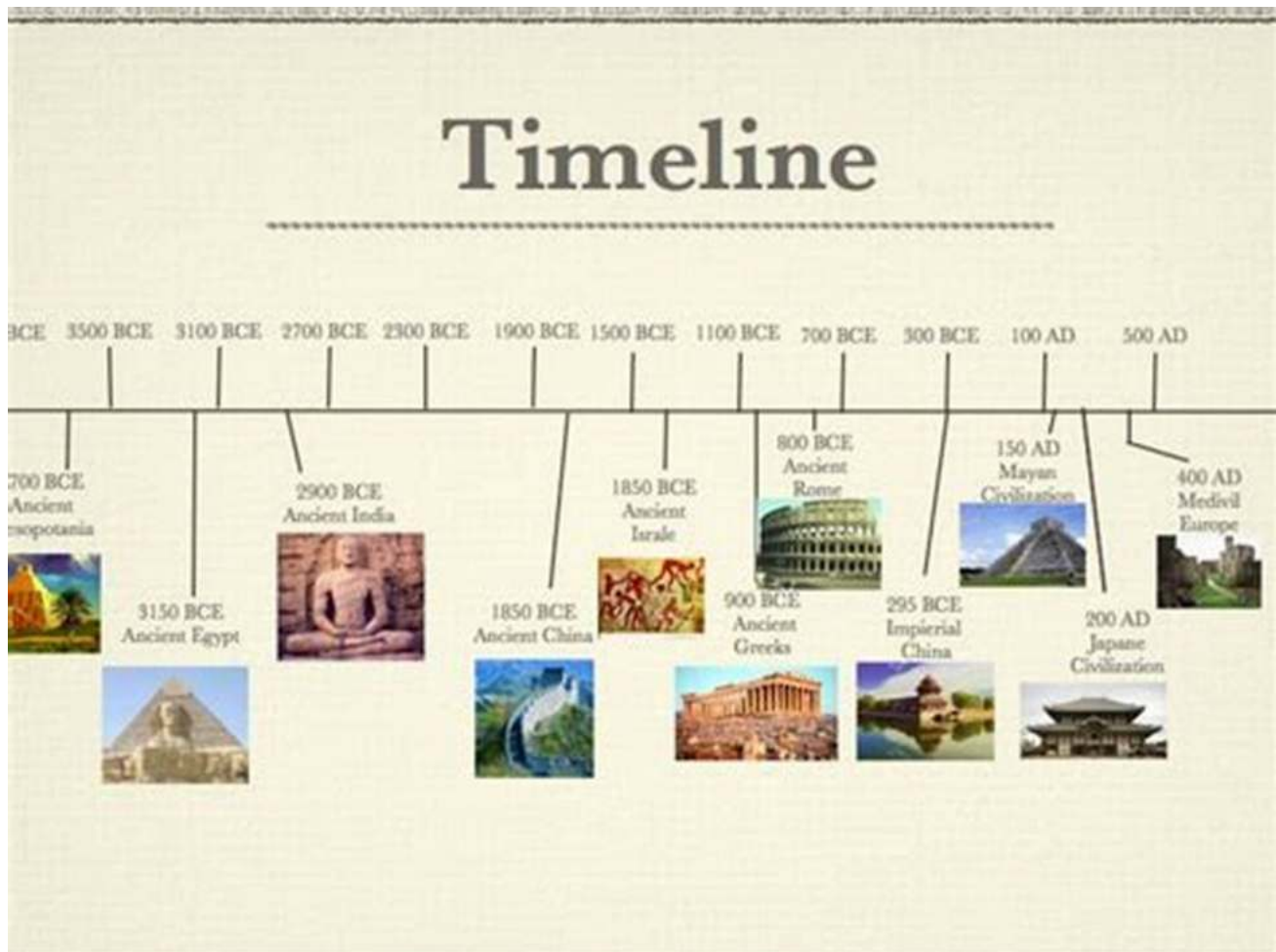


Uncovering the Secrets of Science And Society In The Ancient World: Exploring Routledge Studies In Archaeology



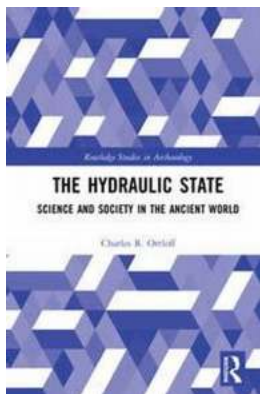
The Intriguing Relationship Between Science And Society

Throughout human history, science and society have maintained a profound interplay, shaping one another's course in fascinating and unexpected ways. Uncovering the rich tapestry of this relationship in the ancient world provides invaluable insights into the origins of scientific knowledge and its cultural impact. With the advent of archaeology, we have gained remarkable access to ancient

societies, enabling us to unearth their scientific achievements, societal structures, and the inseparable links between them.

Routledge Studies In Archaeology: Unraveling Mysteries of the Ancient Past

One significant resource shedding light on the science and society dynamics in the ancient world is the 'Routledge Studies In Archaeology' series. Published by Routledge, a renowned academic publisher, these books delve deep into archaeological research, providing comprehensive analyses of various ancient civilizations and their scientific advancements. With a specific focus on science and its implications within society during antiquity, the series offers a treasure trove of knowledge for scholars and enthusiasts alike.



The Hydraulic State: Science and Society in the Ancient World (Routledge Studies in Archaeology)

by Charles R. Ortloff (1st Edition, Kindle Edition)

★ ★ ★ ★ ☆ 4.7 out of 5

Language : English

File size : 32871 KB

Screen Reader : Supported

Print length : 390 pages



What Can We Learn From Routledge Studies In Archaeology?

The 'Routledge Studies In Archaeology' series traverses the globe, exploring diverse civilizations such as Egypt, Mesopotamia, Greece, Rome, China, India, and many others that significantly contributed to scientific progress during their time. Each book delves into the scientific practices, philosophical underpinnings, and societal contexts that shaped these ancient civilizations, allowing us to

comprehend the complex interactions between scientific discoveries and cultural development.

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For example, one book in the series dedicated to ancient Egypt examines the intricate knowledge Egyptians had about astronomy. Researchers have discovered fascinating evidence of their ability to align structures with celestial bodies, suggesting a profound understanding of astronomical principles. Understanding these scientific achievements not only showcases the advanced thinking of ancient societies but also highlights the significant cultural implications they had.

The Intersection of Science, Religion, and Society

Science in the ancient world was not only a pursuit of knowledge but also deeply intertwined with religious beliefs and societal structures. The 'Routledge Studies In Archaeology' series delves into the complex relationship between science, religion, and society, shedding light on how these elements influenced one another.

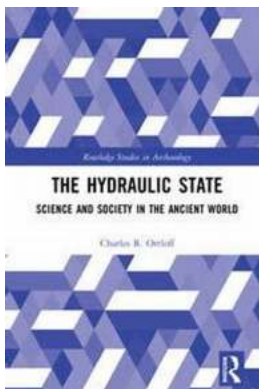
For instance, a book in the series dedicated to ancient Greek society explores how their religious beliefs profoundly influenced scientific thought. It examines how the Greeks sought to explain natural phenomena through the lens of

mythology and religion, leading to the development of early philosophical and scientific frameworks. Understanding this interplay helps us appreciate how religion acted as a driving force in scientific exploration during ancient times.

The Value of Routledge Studies In Archaeology in Contemporary Society

Studying the science and society dynamics in the ancient world is not merely a pursuit of historical knowledge. It offers crucial lessons and insights that resonate with our present-day society. By exploring the successes, setbacks, and lessons learned from ancient civilizations, we can reflect on our current scientific advancements and societal challenges. The 'Routledge Studies In Archaeology' series serves as a bridge connecting the ancient with the modern, stimulating thoughtful discussions on the role of science in shaping our society.

The 'Routledge Studies In Archaeology' series provides an enlightening journey into the intricate relationship between science and society in the ancient world. By unearthing the scientific achievements, societal structures, and cultural influences of various ancient civilizations, these books offer valuable insights that hold relevance even in our modern society. Through their comprehensive analyses, readers can appreciate and better understand the impact of science on the development of human civilization.



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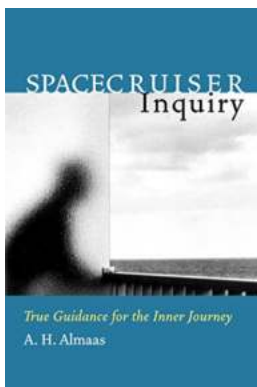
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The Hydraulic State explores the hydraulic engineering technology underlying water system constructions of many of the ancient World Heritage sites in South America, the Middle East and Asia as used in their urban and agricultural water supply systems.

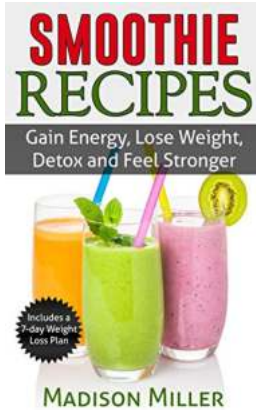
Using a range of methods and techniques, some new to archaeology, Ortloff analyzes various ancient water systems such as agricultural field system designs known in ancient Peruvian and Bolivian Andean societies, water management at Nabataean Petra, the Roman Pont du Garde water distribution castellum, the Minoan site of Knossos and the water systems of dynastic (and modern) China, particularly the Grand Canal and early water systems designed to control flood episodes. In doing so the book greatly increases our understanding of the hydraulic/hydrological engineering of ancient societies through the application of Complexity Theory, Similitude Theory and Computational Fluid Dynamics (CFD) analysis, as well as traditional archaeological analysis methods.

Serving to highlight the engineering science behind water structures of the ancient World Heritage sites discussed, this book will be of interest to archaeologists working on landscape archaeology, urbanism, agriculture and water management.



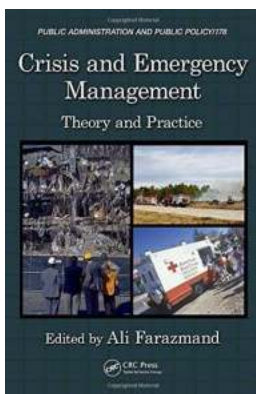
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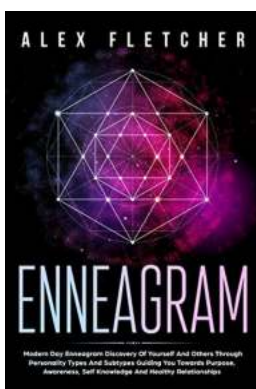
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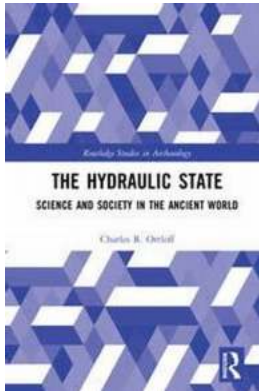
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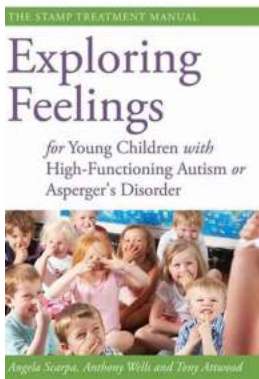
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