

A Companion To Science Technology And Medicine In Ancient Greece And Rome Two Volumes Blackwell Companions To The Ancient World

In this new edition of *Greek and Roman Technology*, the authors translate and annotate key passages from ancient texts to provide a history and analysis of the origins and development of technology in the classical world. Sherwood and Nikolic, with Humphrey and Oleson, provide a comprehensive and accessible collection of rich and varied sources to illustrate and elucidate the beginnings of technology. Among the topics covered are energy, basic mechanical devices, hydraulic engineering, household industry, medicine and health, transport and trade, and military technology. This fully revised Sourcebook collects more than 1,300 passages from over 200 ancient sources and a diverse range of literary genres, such as the encyclopaedic *Natural History* of Pliny the Elder, the poetry of Homer and Hesiod, the philosophies of Plato, Aristotle, and Lucretius, the agricultural treatises of Varro, Columella, and Cato, the military texts of Philo of Byzantium and Aeneas Tacticus, as well as the medical texts of Galen, Celsus, and the Hippocratic Corpus. Almost 100 line drawings, indexes of authors and subjects, introductions outlining the general significance of the evidence, notes to explain the specific details, and current bibliographies are included. This new and revised edition of *Greek and Roman Technology* will remain an important and vital resource for students of technology in the ancient world, as well as those studying the impact of technological change on classical society.

He contrasts the commonly-held perception that the pace of technology is accelerating with the historical record. He highlights the people and the organizations which are responsible for America's technological largesse. The book "follows the money" to uncover the underlying trends. The beginning of a decline in technology development is detected using indirect indicators for clues. Impacts on the formation of companies, employment and productivity provide sobering reasons to enlighten others and demand a change in course. After considering the possibilities, the book proposes several constructive actions which avoid the proverbial tendency to "throw more money at the problem." The goal of the book is to provoke discussion and promote action where appropriate. Americans' standard of living is at stake. Tech-savvy readers will want to understand this issue so as to influence others. Long-range thinkers will want to factor these considerations into their prognostications. The titans of the technology-based companies can develop new and improved strategies based on the findings of this book. And, our elected officials may want to act before a catastrophic disaster confronts the nation. This book will strike a chord with everyone who is interested in America's future economic health. Specific audience groups include scientists, engineers, entrepreneurs, employees in technology based companies, government and corporate policymakers deciding the future of research and development (R&D) programs, government workers involved in the execution of government R&D programs and those thinking about a career in R&D. It is complementary to such works as *Politics and Economics in America: The Way We Came to Be*, by Richard E. Carmichael (Krieger Publishing Company, 1998), which explores political and economic history in order to explain the emergence of the United States' world economic dominance. Carmichael's book makes recommendations on how government could assist America's businesses in maintaining our economic leadership, but it does not address any aspects of technology development and associated issues. *Closing the Innovation Gap* by Judy Estrin (McGraw Hill, 2009), provides business leaders with concepts for leading their organizations so as to close the innovation gap with competitors. It focuses on the innovation environment within the organization, whereas Dr. Gref addresses the complete technology development cycle, its financing, America's rise to global dominance, and the specter of a national decline. *A Companion to Gender Studies* presents a unified and comprehensive vision of its field, and its new directions. It is designed to demonstrate in action the rich interplay between gender and other markers of social position and (dis)privilege, such as race, class, ethnicity, and nationality. Presents a unified and comprehensive vision of gender studies, and its new directions, injecting a much-needed infusion of new ideas into the field; Organized thematically and written in a lucid and lively fashion, each chapter gives insightful consideration to the differing views on its topic, and also clarifies each contributor's own position; Features original contributions from an international panel of leading experts in the field, and is co-edited by the well-known and internationally respected David Theo Goldberg.

An authoritative guide to the action-packed film genre With 24 incisive, cutting-edge contributions from esteemed scholars and critics, *A Companion to the Action Film* provides an authoritative and in-depth guide to this internationally popular and wide-ranging genre. As the first major anthology on the action film in more than a decade, the volume offers insights into the genre's historical development, explores its production techniques and visual poetics, and provides reflections on the numerous social, cultural, and political issues it has and continues to embody. *A Companion to the Action Film* offers original research and critical analysis that examines the iconic characteristics of the genre, its visual aesthetics, and its narrative traits; considers the impact of major directors and stars on the genre's evolution; puts the action film in dialogue with various technologies and other forms of media such as graphic novels and television; and maps out new avenues of critical study for the future. This important resource: Offers a definitive guide to the action film Contains insightful contributions from a wide range of international film experts and scholars Reviews the evolution of the genre from the silent era to today's age of digital blockbusters Offers nuanced commentary and analysis of socio-cultural issues such as race, nationality, and gender in action films Written for scholars, teachers and students in film studies, film theory, film history, genre studies, and popular culture, *A Companion to the Action Film* is an essential guide to one of international cinema's most important, popular, and influential genres.

A Companion that examines together two pivotal periods of Greek archaeology and offers a rich analysis of early Greek culture *A Companion to the Archaeology of Early Greece and the Mediterranean* offers an original and inclusive review of two key periods of Greek archaeology, which are typically treated separately—the Late Bronze Age and the Early Iron Age. It presents an in-depth exploration of the society and material culture of Greece and the Mediterranean, from the

14th to the early 7th centuries BC. The two-volume companion sets Aegean developments within their broader geographic and cultural context, and presents the wide-ranging interactions with the Mediterranean. The companion bridges the gap that typically exists between Prehistoric and Classical Archaeology and examines material culture and social practice across Greece and the Mediterranean. A number of specialists examine the environment and demography, and analyze a range of textual and archaeological evidence to shed light on socio-political and cultural developments. The companion also emphasizes regionalism in the archaeology of early Greece and examines the responses of different regions to major phenomena such as state formation, literacy, migration and colonization. Comprehensive in scope, this important companion: Outlines major developments in the two key phases of early Greece, the Late Bronze Age and the Early Iron Age Includes studies of the geography, chronology and demography of early Greece Explores the development of early Greek state and society and examines economy, religion, art and material culture Sets Aegean developments within their Mediterranean context Written for students, and scholars interested in the material culture of the era, A Companion to the Archaeology of Early Greece and the Mediterranean offers a comprehensive and authoritative guide that bridges the gap between the Late Bronze Age and the Early Iron Age. A Companion to Greek Architecture provides an expansive overview of the topic, including design, engineering, and construction as well as theory, reception, and lasting impact. Covers both sacred and secular structures and complexes, with particular attention to architectural decoration, such as sculpture, interior design, floor mosaics, and wall painting Makes use of new research from computer-driven technologies, the study of inscriptions and archaeological evidence, and recently excavated buildings Brings together original scholarship from an esteemed group of archaeologists and art historians Presents the most up-to-date English language coverage of Greek architecture in several decades while also sketching out important areas and structures in need of further research

Drawing on essays from leading international and multi-disciplinary scholars, A Companion to the Philosophy of Technology is the first comprehensive and authoritative reference source to cover the key issues of technology's impact on society and our lives. Presents the first complete, authoritative reference work in the field Organized thematically for use both as a full introduction to the field or an encyclopedic reference Draws on original essays from leading interdisciplinary scholars Features the most up-to-date and cutting edge research in the interdisciplinary fields of philosophy, technology, and their broader intellectual environments

Discover essays by leading scholars on the history of mathematics from ancient to modern times in European and non-European cultures.

Covers the major languages, language families, and writing systems attested in the Ancient Near East Filled with enlightening chapters by noted experts in the field, this book introduces Ancient Near Eastern (ANE) languages and language families used during the time period of roughly 3200 BCE to the second century CE in the areas of Egypt, the Levant, eastern Anatolia, Mesopotamia, and Iran. In addition to providing grammatical sketches of the respective languages, the book focuses on socio-linguistic questions such as language contact, diglossia, the development of literary standard languages, and the development of diplomatic languages or "linguae francae." It also addresses the interaction of Ancient Near Eastern languages with each other and their roles within the political and cultural systems of ANE societies. Presented in five parts, The Companion to Ancient Near Eastern Languages provides readers with in-depth chapter coverage of the writing systems of ANE, starting with their decipherment. It looks at the emergence of cuneiform writing; the development of Egyptian writing in the fourth and early third millennium BCE; and the emergence of alphabetic scripts. The book also covers many of the individual languages themselves, including Sumerian, Egyptian, Akkadian, Hittite, Pre- and Post-Exilic Hebrew, Phoenician, Ancient South Arabian, and more. Provides an overview of all major language families and writing systems used in the Ancient Near East during the time period from the beginning of writing (approximately 3200 BCE) to the second century CE (end of cuneiform writing) Addresses how the individual languages interacted with each other and how they functioned in the societies that used them Written by leading experts on the languages and topics The Companion to Ancient Near Eastern Languages is an ideal book for undergraduate students and scholars interested in Ancient Near Eastern cultures and languages or certain aspects of these languages.

The new edition of the popular survey of Near Eastern civilization from the Bronze Age to the era of Alexander the Great A Companion to the Ancient Near East explores the history of the region from 4400 BCE to the Macedonian conquest of the Persian Empire in 330 BCE. Original and revised essays from a team of distinguished scholars from across disciplines address subjects including the politics, economics, architecture, and heritage of ancient Mesopotamia and Egypt. Part of the Blackwell Companions to the Ancient World series, this acclaimed single-volume reference combines lively writing with engaging and relatable topics to immerse readers in this fascinating period of Near East history. The new second edition has been thoroughly revised and updated to include new developments in relevant fields, particularly archaeology, and expand on themes of interest to contemporary students. Clear, accessible chapters offer fresh discussions on the history of the family and gender roles, the literature, languages, and religions of the region, pastoralism, medicine and philosophy, and borders, states, and warfare. New essays highlight recent discoveries in cuneiform texts, investigate how modern Egyptians came to understand their ancient history, and examine the place of archaeology among the historical disciplines. This volume: Provides substantial new and revised content covering topics such as social conflict, kingship, cosmology, work, trade, and law Covers the civilizations of the Sumerians, Hittites, Babylonians, Assyrians, Egyptians, Israelites, and Persians, emphasizing social and cultural history Examines the legacy of the Ancient Near East in the medieval and modern worlds Offers a uniquely broad geographical, chronological, and topical range Includes a comprehensive bibliographical guide to Ancient Near East studies as well as new and updated references and reading suggestions Suitable for use as both a primary reference or as a supplement to a chronologically arranged textbook, A Companion to the Ancient Near East, 2nd Edition is a valuable resource for advanced undergraduates, beginning graduate students, instructors in the field, and scholars from other disciplines.

A Companion to the U.S. Civil War presents a comprehensive historiographical collection of essays covering all major military, political, social, and economic aspects of the American Civil War (1861-1865). Represents the most comprehensive coverage available relating to all aspects of the U.S. Civil War Features contributions from dozens of experts in Civil War scholarship Covers

major campaigns and battles, and military and political figures, as well as non-military aspects of the conflict such as gender, emancipation, literature, ethnicity, slavery, and memory

A comprehensive review of the development, geographic spread, and cultural influence of religion in Late Antiquity A Companion to Religion in Late Antiquity offers an authoritative and comprehensive survey of religion in Late Antiquity. This historical era spanned from the second century to the eighth century of the Common Era. With contributions from leading scholars in the field, the Companion explores the evolution and development of religion and the role various religions played in the cultural, political, and social transformations of the late antique period. The authors examine the theories and methods used in the study of religion during this period, consider the most notable historical developments, and reveal how religions spread geographically. The authors also review the major religious traditions that emerged in Late Antiquity and include reflections on the interaction of these religions within their particular societies and cultures. This important Companion: Brings together in one volume the work of a notable team of international scholars Explores the principal geographical divisions of the late antique world Offers a deep examination of the predominant religions of Late Antiquity Examines established views in the scholarly assessment of the religions of Late Antiquity Includes information on the current trends in late-antique scholarship on religion Written for scholars and students of religion, A Companion to Religion in Late Antiquity offers a comprehensive survey of religion and the influence religion played in the culture, politics, and social change during the late antique period.

A comprehensive treatment of the Classical World in film and television, A Companion to Ancient Greece and Rome on Screen closely examines the films and TV shows centered on Greek and Roman cultures and explores the tension between pagan and Christian worlds. Written by a team of experts in their fields, this work considers productions that discuss social settings as reflections of their times and as indicative of the technical advances in production and the economics of film and television. Productions included are a mix of Hollywood and European spanning from the silent film era through modern day television series, and topics discussed include Hollywood politics in film, soundtrack and sound design, high art and low art, European art cinemas, and the ancient world as comedy. Written for students of film and television as well as those interested in studies of ancient Rome and Greece, A Companion to Ancient Greece and Rome on Screen provides comprehensive, current thinking on how the depiction of Ancient Greece and Rome on screen has developed over the past century. It reviews how films of the ancient world mirrored shifting attitudes towards Christianity, the impact of changing techniques in film production, and fascinating explorations of science fiction and technical fantasy in the ancient world on popular TV shows like Star Trek, Babylon 5, Battlestar Galactica, and Dr. Who.

A COMPANION TO THE ACHAEMENID PERSIAN EMPIRE A comprehensive review of the political, cultural, social, economic and religious history of the Achaemenid Empire Often called the first world empire, the Achaemenid Empire is rooted in older Near Eastern traditions. A Companion to the Achaemenid Persian Empire offers a perspective in which the history of the empire is embedded in the preceding and subsequent epochs. In this way, the traditions that shaped the Achaemenid Empire become as visible as the powerful impact it had on further historical development. But the work does not only break new ground in this respect, but also in the fact that, in addition to written testimonies of all kinds, it also considers material tradition as an equal factor in historical reconstruction. This comprehensive two-volume set features contributions by internationally-recognized experts that offer balanced coverage of the whole of the empire from Anatolia and Egypt across western Asia to northern India and Central Asia. Comprehensive in scope, the Companion provides readers with a panoramic view of the diversity, richness, and complexity of the Achaemenid Empire, dealing with all the many aspects of history, event history, administration, economy, society, communication, art, science and religion, illustrating the multifaceted nature of the first true empire. A unique historical account presented in its multiregional dimensions, this important resource deals with many aspects of history, administration, economy, society, communication, art, science and religion it deals with topics that have only recently attracted interest such as court life, leisure activities, gender roles, and more examines a variety of available sources to consider those predecessors who influenced Achaemenid structure, ideology, and self-expression contains the study of *Nachleben* and the history of perception up to the present day offers a spectrum of opinions in disputed fields of research, such as the interpretation of the imagery of Achaemenid art, or questions of religion includes extensive bibliographies in each chapter for use as starting points for further research devotes special interest to the east of the empire, which is often neglected in comparison to the western territories Part of the acclaimed Blackwell Companions to the Ancient World series, A Companion to the Achaemenid Persian Empire is an indispensable work for students, instructors, and scholars of Persian and ancient world history, particularly the First Persian Empire.

An authoritative and multidisciplinary Companion to Egypt during the Greco-Roman and Late Antique period With contributions from noted authorities in the field, A Companion to Greco-Roman and Late Antique Egypt offers a comprehensive resource that covers almost 1000 years of Egyptian history, starting with the liberation of Egypt from Persian rule by Alexander the Great in 332 BC and ending in AD 642, when Arab rule started in the Nile country. The Companion takes a largely sociological perspective and includes a section on life portraits at the end of each part. The theme of identity in a multicultural environment and a chapter on the quality of life of Egypt's inhabitants clearly illustrate this objective. The authors put the emphasis on the changes that occurred in the Greco-Roman and Late Antique periods, as illustrated by such topics as: Traditional religious life challenged; Governing a country with a past: between tradition and innovation; and Creative minds in theory and praxis. This important resource: Discusses how Egypt became part of a globalizing world in Hellenistic, Roman and Byzantine times Explores notable innovations by the Ptolemies and Romans Puts the focus on the longue durée development Offers a thematic and multidisciplinary approach to the subject, bringing together scholars of different disciplines Contains life portraits in which various aspects and themes of people's daily life in Egypt are discussed Written for academics and students of the Greco-Roman and Late Antique Egypt period, this Companion offers a guide that is useful for students in the areas of Hellenistic, Roman, Byzantine and New Testament studies. In the third century CE, the North African polymath, soldier, and provincial official Q. Gargilius Martialis (died 260) wrote a treatise on the cultivation and medical use of fruits, vegetables, and herbs. The agricultural part of this work survives in a fragmentary state in a single manuscript. Despite this impediment, the agricultural writings are noteworthy for the clear marks both of their meticulous research and of the application of independent judgement and experience. Gargilius furthermore presents his advice in a stylized and literary form that strives for elegance through the use of prose rhythm, rhetorical *variatio*, and figurative language. The fragments will be valuable for those interested in ancient agriculture, in Greco-Roman authorship on the *technai* or *artes*, and in the history and sociolinguistics of Latin. This volume offers a new edition and the first English translation of Gargilius' agricultural fragments as well as an introduction and full-scale commentary.

A Companion to Environmental Geography is the first book to comprehensively and systematically map the research frontier of 'human-environment geography' in an accessible and comprehensive way. Cross-cuts several areas of a discipline which has traditionally been seen as divided; presenting work by human and physical geographers in the same volume. Presents both the current 'state of the art' research and charts future possibilities for the discipline. Extends the term 'environmental geography' beyond its 'traditional' meanings to include new work on nature and environment by human and physical geographers - not just hazards, resources, and conservation geographers. Contains essays from an outstanding group of international contributors from among established scholars and rising stars in geography. Today's knowledge economy is driven in large part by the nation's capacity to innovate. One of the defining features of the U.S. economy is a high level of entrepreneurial activity. Entrepreneurs in the United States see opportunities and are willing and able to assume risk to bring new welfare-enhancing, wealth-generating technologies to the market. Yet, although discoveries in areas such as genomics, bioinformatics, and nanotechnology present new opportunities, converting these discoveries into innovations for the market involves substantial challenges. The American capacity for innovation can be strengthened by addressing the challenges faced by entrepreneurs. Public-private partnerships are one means to help entrepreneurs bring new ideas to market. The Small Business Technology Transfer (STTR) and the Small Business Innovation Research (SBIR) program form one of the largest examples of U.S. public-private partnerships. In the SBIR Reauthorization Act of 2000, Congress tasked the National Research Council with undertaking a comprehensive study of how the SBIR program has stimulated technological innovation and used small businesses to meet federal research and development needs and with recommending further improvements to the program. When reauthorizing the SBIR and STTR programs in 2011, Congress expanded the study mandate to include a review of the STTR program. This report builds on the methodology and outcomes from the previous review of SBIR and assesses the STTR program.

"This chapter provides an overview of the Muses in Greek mythology and argues that their multiplicity, their indefinite number, their lack of fixed personalities and their metapoetic status make them highly unusual members of the Olympian pantheon. As the embodiment of music and the means by which music is channelled to human beings they are essential to our understanding of the meaning of music in Greek culture. Above all their origins in an oral society foregrounds the performative nature of music which has characterised it as an art form throughout the ages"--

A delightful look at the epic literary history of the short, poetic genre of the epigram. From Nestor's inscribed cup to tombstones, bathroom walls, and Twitter tweets, the ability to express oneself concisely and elegantly, continues to be an important part of literary history unlike any other. This book examines the entire history of the epigram, from its beginnings as a purely epigraphic phenomenon in the Greek world, where it moved from being just a note attached to physical objects to an actual literary form of expression, to its zenith in late 1st century Rome, and further through a period of stagnation up to its last blooming, just before the beginning of the Dark Ages. A Companion to Ancient Epigram offers the first ever full-scale treatment of the genre from a broad international perspective. The book is divided into six parts, the first of which covers certain typical characteristics of the genre, examines aspects that are central to our understanding of epigram, and discusses its relation to other literary genres. The subsequent four parts present a diachronic history of epigram, from archaic Greece, Hellenistic Greece, and Latin and Greek epigrams at Rome, all the way up to late antiquity, with a concluding section looking at the heritage of ancient epigram from the Middle Ages up to modern times. Provides a comprehensive overview of the history of the epigram. The first single-volume book to examine the entire history of the genre. Scholarly interest in Greek and Roman epigram has steadily increased over the past fifty years. Looks at not only the origins of the epigram but at the later literary tradition. A Companion to Ancient Epigram will be of great interest to scholars and students of literature, world literature, and ancient and general history. It will also be an excellent addition to the shelf of any public and university library.

This encyclopedia considers both the professional ethics of science and technology, and the social, ethical, and political issues raised by science and technology.

The Wiley Blackwell Companion to the History of Science is a single volume companion that discusses the history of science as it is done today, providing a survey of the debates and issues that dominate current scholarly discussion, with contributions from leading international scholars. Provides a single-volume overview of current scholarship in the history of science edited by one of the leading figures in the field. Features forty essays by leading international scholars providing an overview of the key debates and developments in the history of science. Reflects the shift towards deeper historical contextualization within the field. Helps communicate and integrate perspectives from the history of science with other areas of historical inquiry. Includes discussion of non-Western themes which are integrated throughout the chapters. Divided into four sections based on key analytic categories that reflect new approaches in the field.

A Companion to Science Fiction assembles essays by an international range of scholars which discuss the contexts, themes and methods used by science fiction writers. This Companion conveys the scale and variety of science fiction. Shows how science fiction has been used as a means of debating cultural issues. Essays by an international range of scholars discuss the contexts, themes and methods used by science fiction writers. Addresses general topics, such as the history and origins of the genre, its engagement with science and gender, and national variations of science fiction around the English-speaking world. Maps out connections between science fiction, television, the cinema, virtual reality technology, and other aspects of the culture. Includes a section focusing on major figures, such as H.G. Wells, Arthur C. Clarke, and Ursula Le Guin. Offers close readings of particular novels, from Mary Shelley's *Frankenstein* to Margaret Atwood's *The Handmaid's Tale*.

An innovative approach to the study of ten centuries of Jewish culture and history. A Companion to Late Ancient Jews and Judaism explores the Jewish people, their communities, and various manifestations of their religious and cultural

expressions from the third century BCE to the seventh century CE. Presenting a collection of 30 original essays written by noted scholars in the field, this companion provides an expansive examination of ancient Jewish life, identity, gender, sacred and domestic spaces, literature, language, and theological questions throughout late ancient Jewish history and historiography. Editors Gwynn Kessler and Naomi Koltun-Fromm situate the volume within Late Antiquity, enabling readers to rethink traditional chronological, geographic, and political boundaries. The Companion incorporates a broad methodology, drawing from social history, material history and culture, and literary studies to consider the diverse forms and facets of Jews and Judaism within multiple contexts of place, culture, and history. Divided into five parts, thematically-organized essays discuss topics including the spaces where Jews lived, worked, and worshiped, Jewish languages and literatures, ethnicities and identities, and questions about gender and the body central to Jewish culture and Judaism. Offering original scholarship and fresh insights on late ancient Jewish history and culture, this unique volume: Offers a one-volume exploration of "second temple," "Greco-Roman," and "rabbinic" periods and sources Explores Jewish life across most of the geographic places where Jews or Judaeans were known to have lived Features original maps of areas cited in every essay, including maps of Jewish settlement throughout Late Antiquity Includes an outline of major historical events, further readings, and full references A Companion to Late Ancient Jews and Judaism: 3rd Century BCE - 7th Century CE is a valuable resource for students, instructors, and scholars of Jewish studies, religion, literature, and ethnic identity, as well as general readers with interest in Jewish history, world religions, Classics, and Late Antiquity. A Companion to Chinese History presents a collection of essays offering a comprehensive overview of the latest intellectual developments in the study of China's history from the ancient past up until the present day. Covers the major trends in the study of Chinese history from antiquity to the present day Considers the latest scholarship of historians working in China and around the world Explores a variety of long-range questions and themes which serves to bridge the conventional divide between China's traditional and modern eras Addresses China's connections with other nations and regions and enables non-specialists to make comparisons with their own fields Features discussion of traditional topics and chronological approaches as well as newer themes such as Chinese history in relation to sexuality, national identity, and the environment

In 85 new and updated essays, this comprehensive volume provides an authoritative guide to the philosophy of religion. Includes contributions from established philosophers and rising stars 22 new entries have now been added, and all material from the previous edition has been updated and reorganized Broad coverage spans the areas of world religions, theism, atheism, , the problem of evil, science and religion, and ethics

A Companion to Science, Technology, and Medicine in Ancient Greece and Rome brings a fresh perspective to the study of these disciplines in the ancient world, with 60 chapters examining these topics from a variety of critical and technical perspectives. Brings a fresh perspective to the study of science, technology, and medicine in the ancient world, with 60 chapters examining these topics from a variety of critical and technical perspectives Begins coverage in 600 BCE and includes sections on the later Roman Empire and beyond, featuring discussion of the transmission and reception of these ideas into the Renaissance Investigates key disciplines, concepts, and movements in ancient science, technology, and medicine within the historical, cultural, and philosophical contexts of Greek and Roman society Organizes its content in two halves: the first focuses on mathematical and natural sciences; the second focuses on cultural applications and interdisciplinary themes 2 Volumes

With 30 historiographical essays by established and rising scholars, this Companion is a comprehensive picture of the presidencies and legacies of Gerald Ford and Jimmy Carter. Examines important national and international events during the 1970s, as well as presidential initiatives, crises, and legislation Discusses the biography of each man before entering the White House, his legacy and work after leaving office, and the lives of Betty Ford, Rosalynn Carter, and their families Covers key themes and issues, including Watergate and the pardon of Richard Nixon, the Vietnam War, neoconservatism and the rise of the New Right, and the Iran hostage crisis Incorporates presidential, diplomatic, military, economic, social, and cultural history Uses the most recent research and newly released documents from the two Presidential Libraries and the State Department

Presented in a single volume, this engaging review reflects on the scholarship and the historical development of American broadcasting A Companion to the History of American Broadcasting comprehensively evaluates the vibrant history of American radio and television and reveals broadcasting's influence on American history in the twentieth and twenty-first centuries. With contributions from leading scholars on the topic, this wide-ranging anthology explores the impact of broadcasting on American culture, politics, and society from an historical perspective as well as the effect on our economic and social structures. The text's original and accessibly-written essays offer explorations on a wealth of topics including the production of broadcast media, the evolution of various television and radio genres, the development of the broadcast ratings system, the rise of Spanish language broadcasting in the United States, broadcast activism, African Americans and broadcasting, 1950's television, and much more. This essential resource: Presents a scholarly overview of the history of radio and television broadcasting and its influence on contemporary American history Contains original essays from leading academics in the field Examines the role of radio in the television era Discusses the evolution of regulations in radio and television Offers insight into the cultural influence of radio and television Analyzes canonical texts that helped shape the field Written for students and scholars of media studies and twentieth-century history, A Companion to the History of American Broadcasting is an essential and field-defining guide to the history and historiography of American broadcasting and its many cultural, societal, and political impacts.

Reflecting the dynamic creativity of its subject, this definitive guide spans the evolution, aesthetics, and practice of today's digital art, combining fresh, emerging perspectives with the nuanced insights of leading theorists. Showcases the critical and theoretical approaches in this fast-moving discipline Explores the history and evolution of digital art; its

aesthetics and politics; as well as its often turbulent relationships with established institutions Provides a platform for the most influential voices shaping the current discourse surrounding digital art, combining fresh, emerging perspectives with the nuanced insights of leading theorists Tackles digital art's primary practical challenges – how to present, document, and preserve pieces that could be erased forever by rapidly accelerating technological obsolescence Up-to-date, forward-looking, and critically reflective, this authoritative new collection is informed throughout by a deep appreciation of the technical intricacies of digital art

Noted scholars in the field explore the rich variety of late antique literature With contributions from leading scholars in the field, A Companion to Late Antique Literature presents a broad review of late antique literature. The late antique period encompasses a significant transitional era in literary history from the mid-third century to the early seventh century. The Companion covers notable Greek and Latin texts of the period and provides a varied overview of literature written in six other late antique languages. Comprehensive in scope, this important volume presents new research, methodologies, and significant debates in the field. The Companion explores the histories, forms, features, audiences, and uses of the literature of the period. This authoritative text: Provides an inclusive overview of late antique literature Offers the widest survey to date of the literary traditions and forms of the period, including those in several languages other than Greek and Latin Presents the most current research and new methodologies in the field Contains contributions from an international group of contributors Written for students and scholars of late antiquity, this comprehensive volume provides an authoritative review of the literature from the era.

The definitive reference text on curation both inside and outside the museum A Companion to Curation is the first collection of its kind, assembling the knowledge and experience of prominent curators, artists, art historians, scholars, and theorists in one comprehensive volume. Part of the Blackwell Companion series, this much-needed book provides up-to-date information and valuable insights on the field of curatorial studies and curation in the visual arts. Accessible and engaging chapters cover diverse, contemporary methods of curation, its origin and history, current and emerging approaches within the profession, and more. This timely publication fills a significant gap in literature on the role of the curator, the art and science of curating, and the historical arc of the field from the 17th century to the present. The Companion explores topics such as global developments in contemporary indigenous art, Asian and Chinese art since the 1980s, feminist and queer feminist curatorial practices, and new curatorial strategies beyond the museum. This unique volume: Offers readers a wide range of perspectives on curating in both theory and practice Includes coverage of curation outside of the Eurocentric and Anglosphere art worlds Presents clear and comprehensible information valuable for specialists and novices alike Discusses the movements, models, people and politics of curating Provides guidance on curating in a globalized world Broad in scope and detailed in content, A Companion to Curation is an essential text for professionals engaged in varied forms of curation, teachers and students of museum studies, and readers interested in the workings of the art world, museums, benefactors, and curators.

'Science, Technology, and Society' offers approximately 150 articles written by major scholars and experts from academic and scientific institutions worldwide. The theme is the functions and effects of science and technology in society and culture.

Where should the United States focus its long-term efforts to improve the nation's environment? What are the nation's most important environmental issues? What role should science and technology play in addressing these issues? Linking Science and Technology to Society's Environmental Goals provides the current thinking and answers to these questions. Based on input from a range of experts and interested individuals, including representatives of industry, government, academia, environmental organizations, and Native American communities, this book urges policymakers to Use social science and risk assessment to guide decisionmaking. Monitor environmental changes in a more thorough, consistent, and coordinated manner. Reduce the adverse impact of chemicals on the environment. Move away from the use of fossil fuels. Adopt an environmental approach to engineering that reduces the use of natural resources. Substantially increase our understanding of the relationship between population and consumption. This book will be of special interest to policymakers in government and industry; environmental scientists, engineers, and advocates; and faculty, students, and researchers.

An innovative, up-to-date treatment of ancient Greek mobility and migration from 1000 BCE to 30 BCE A Companion to Greeks Across the Ancient World explores the mobility and migration of Greeks who left their homelands in the ten centuries between the Early Iron Age and the Hellenistic period. While most academic literature centers on the Greeks of the Aegean basin area, this unique volume provides a systematic examination of the history of the other half of the ancient Greek world. Contributions from leading scholars and historians discuss where migrants settled, their new communities, and their connections and interactions with both Aegean Greeks and non-Greeks. Divided into three parts, the book first covers ancient and modern approaches and the study of the ancient Greeks outside their homelands, including various intellectual, national, and linguistic traditions. Regional case studies form the core of the text, taking a microhistory approach to examine Greeks in the Near Eastern Empires, Greek-Celtic interactions in Central Europe, Greek-established states in Central Asia, and many others throughout Europe, Africa, and Asia. The closing section of the text discusses wider themes such as the relations between the Greek homeland and the edges of Greek civilization. Reflecting contemporary research and fresh perspectives on ancient Greek culture contact, this volume: Discusses the development and intersection of mobility, migration, and diaspora studies Examines the various forms of ancient Greek mobility and their outcomes Highlights contributions to cultural development in the Greek and non-Greek world Examines wider themes and the various forms of ancient Greek mobility and their outcomes Includes an overview of ancient terminology and concepts, modern translations, numerous maps, and full references A Companion to Greeks Across the Ancient World is a valuable resource for students, instructors, and researchers of Classical antiquity, as well as non-specialists with interest in ancient Greek mobilities, migrations, and diasporas.

Provides an overview of state-of-the-art recycling techniques together with current and potential applications. Presents material that is normally only available in the form of conference proceedings Includes flow charts detailing the recycling process Helps identify the problems encountered in the recycling of polymers Presents pie graphs and photographs of commercial outlets A comprehensive volume which will prove to be invaluable for polymer manufacturers, recyclers and marketers as well as environmental authorities and materials engineers.

A Companion to the History of American Science offers a collection of essays that give an authoritative overview of the most recent scholarship on the history of American science. Covers topics including astronomy, agriculture, chemistry, eugenics, Big Science, military technology, and more Features contributions by the most accomplished scholars in the field of science history Covers pivotal events in U.S. history that shaped the development of science and science policy such as WWII, the Cold War, and the Women's Rights movement A Companion to Science, Technology, and Medicine in Ancient Greece and Rome John Wiley & Sons

This text contains 25 Project-Based Learning (PBL) lessons written by a combination of undergraduate preservice teachers, inservice teachers, and graduate students. Everyone who wrote a chapter strives to improve STEM education to help others implement standards-based STEM instruction that takes learning in isolation to greater accountability through integrated and meaningful tasks that answer the question every teacher dreads: When am I going to use this? The PBLs were written to implement in middle and high-school classrooms. All of them are interdisciplinary in nature. We have divided them into six themes: construction and design, water, environment, mixtures, technology, nutrition and genetics. Each lesson contains a “schedule at a glance” and the “well-defined outcome” so you can quickly see how a particular PBL fits into your curriculum. Objectives are listed along with STEM connections written as objectives. We have included all materials needed and then each day of activities including an imbedded engagement, exploration, explanation, evaluation (including rubrics), and extension. We have tried to include everything necessary for successful implementation. This practical book is the perfect companion to the handbook for learning about implementing PBLs: *Project-Based Learning: An Integrated Science, Technology, Engineering, and Mathematics (STEM) Approach* – second edition.

This book explores ancient efforts to explain the scientific, philosophical, and spiritual aspects of water. From the ancient point of view, we investigate many questions including: How does water help shape the world? What is the nature of the ocean? What causes watery weather, including superstorms and snow? How does water affect health, as a vector of disease or of healing? What is the nature of deep-sea-creatures (including sea monsters)? What spiritual forces can protect those who must travel on water? This first complete study of water in the ancient imagination makes a major contribution to classics, geography, hydrology and the history of science alike. Water is an essential resource that affects every aspect of human life, and its metamorphic properties gave license to the ancient imagination to perceive watery phenomena as the product of visible and invisible forces. As such, it was a source of great curiosity for the Greeks and Romans who sought to control the natural world by understanding it, and who, despite technological limitations, asked interesting questions about the origins and characteristics of water and its influences on land, weather, and living creatures, both real and imagined.

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