

Ks3 History 4th Edition Technology War And Independence 1901 Present Day Student Book

Technology and War
Technology and the American Way of War Since 1945
War and Technology
Technology, War and Independence - 1901 - Present Day
The Technology War
War and the Engineers
Technological Change and the Future of Warfare
Tech Wars
Technology's War Record
Mr. Lincoln's High-Tech War
China and America's Tech War from AI to 5G
Technology and Democracy: Toward A Critical Theory of Digital Technologies, Technopolitics, and Technocapitalism
Future Peace
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Science, Technology, and Society
The Wires of War
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in this impressive work van creveld considers man s use of technology over the past 4 000 years and its impact on military organization weaponry logistics intelligence communications transportation and command this revised paperback edition has been updated to include an account of the range of technology in the recent gulf war

no nation in recent history has placed greater emphasis on the role of technology in planning and waging war than the united states in world war ii the wholesale mobilization of american science and technology culminated in the detonation of the atomic bomb competition with the soviet union during the cold war combined with the u s navy s culture of distributed command and the rapid growth of information technology

spawned the concept of network centric warfare and america s post cold war conflicts in iraq the former yugoslavia and afghanistan have highlighted america s edge from the atom bomb to the spy satellites of the cold war the strategic limitations of the vietnam war and the technological triumphs of the gulf war thomas g mahnken follows the development and integration of new technologies into the military and emphasizes their influence on the organization mission and culture of the armed services in some cases advancements in technology have forced different branches of the military to develop competing or superior weaponry but more often than not the armed services have molded technology to suit their own purposes remaining resilient in the face of technological challenges mahnken concludes with an examination of the reemergence of the traditional american way of war which uses massive force to engage the enemy tying together six decades of debate concerning u s military affairs he discusses how the armed forces might exploit the unique opportunities of the information revolution in the future

a very short introduction on war and technology throughout human history

written to match the new 2014 national curriculum with expert support from experienced head of history aaron wilkes the third editions of this well loved series will hook your students interest in key stage 3 history whilst helping them prepare for gcse

this book describes the worldwide race in one of the fastest advancing technologies of our time information technology at stake is the traditional american dominance in computer science and microelectronics the control of international marketplaces and even national security the authors describe the players the technologies and the stakes they have written this volume for a broad audience their exposition is clear and informative they describe the state of the art in information technology and present forecasts as to the most likely outcome in the near future they offer recommendations for the united states in order for it to retain and improve its precarious dominance in the fast changing and crucial technologies of the information age

do some technologies provoke war do others promote peace offense defense theory contends that technological change is an important cause of conflict leaders will be tempted to launch wars when they believe innovation favors attackers over defenders offense defense theory is perhaps best known from the passionate and intricate debates about first strike capability and deterrence stability during the cold war but it has deeper historical roots remains a staple in international relations theorizing and drives modern arms control policymaking in war and the engineers the first book systematically to test the logical and empirical validity of offense defense theory keir a lieber examines the relationships among politics technology and the causes of war lieber s cases explore the military and political implications of the spread of railroads the emergence of rifled small arms and artillery the introduction of battle tanks and the nuclear revolution lieber incorporates the new historiography of world war i which draws on archival materials that only recently became available to challenge many common beliefs about the conflict the author s central conclusion is that technology is neither a cause of international conflict nor a panacea instead power politics remains paramount

in light of the spectacular performance of american high technology weapons in the 1991 persian gulf war as well as the phenomenal pace of innovation in the modern computer industry many defense analysts have posited that we are on the threshold of a revolution in military affairs rma the issue has more than semantic importance many rma proponents have begun to argue for major changes in pentagon budgetary priorities and even in american foreign policy more generally to free up resources to pursue a transformed u s military and to make sure that other countries do not take advantage of the purported rma before we do this book takes a more measured perspective beginning with a survey of various types of defense technologies it argues that while important developments are indeed under way most impressively in electronics and computer systems the overall thrust of contemporary military innovation is probably not of a revolutionary magnitude some reorientation of u s defense dollars is appropriate largely to improve homeland defense and to take advantage of the promise of modern electronics systems and precision guided munitions but radical shifts in u s security policy and pentagon budget priorities appear unwarranted especially if those shifts would come at the expense of american military engagement in overseas defense missions from korea to iraq to bosnia

this book explores the evolution of the current u s research and development enterprise asks whether this organization remains appropriate to the challenges we face today and proposes strategies for better preparing for the global technology race shaping our future across the globe nation states and societies as well as corporations technology developers and even individuals find themselves on the front lines of a global technology race in the third decade of this century the outlines of the contest have become clear r d spending new methods such as innovation centers and powerful technologies in governments and society are rapidly proliferating technology winners and losers are emerging how did we arrive at this global technology fight how and where will it be waged what can we do to prepare for the future tech wars examines the conditions that have led us to this point and introduces new strategies organizational changes and resource allocations that will help the united states respond to the challenges on the horizon

this book was written to document the part played by the massachusetts institute of technology its staff its former students and its undergraduates tales of skill self sacrifice and courage displayed by tech men are preserved as an inspiration to their comrades and descendants attention is directed to the fact that such an institution as technology is not only a valuable auxillary in developing commerce and industry in time of peace but that in time of national emergency it becomes an indispensable part of the nation s military organization

shows the part technology played in the north winning the civil war over the south and how lincoln appreciated technology after awhile

china and america s tech war from ai to 5g examines how sino u s geopolitical competition has increasingly centered on the performances of the two countries technology sectors and their ability to dominate development of critical next generation technologies it analyzes and compares the strengths of china and the u s ranging from the ability to produce and attract talent to the degree of government support and the scale and funding for technological research abrams reviews and weighs important technology areas such as green energy artificial intelligence quantum computing and 5g will likely have the means both parties have exercised to gain advantages and the consequences of

leadership for the county who attains it

as we enter a new millennium it is clear that we are in the midst of one of the most dramatic technological revolutions in history that is changing everything from the ways that we work communicate participate in politics and spend our leisure time the technological revolution centers on computer information communication and multimedia technologies is often interpreted as the beginnings of a knowledge or information society and therefore ascribes technologies a central role in every aspect of life this great transformation poses tremendous challenges to critical social theorists citizens and educators to rethink their basic tenets to deploy the media in creative and productive ways and to restructure the workplace social institutions and schooling to respond constructively and progressively to the technological and social changes that we are now experiencing

future peace urges extreme caution in the adoption of new weapons technology and is an impassioned plea for peace from an individual who spent decades preparing for war today's militaries are increasingly reliant on highly networked autonomous systems artificial intelligence and advanced weapons that were previously the domain of science fiction writers in a world where these complex technologies clash with escalating international tensions what can we do to decrease the chances of war in future peace the eagerly awaited sequel to future war robert h latiff questions our overreliance on technology and examines the pressure cooker scenario created by the growing animosity between the united states and its adversaries our globally deployed and thinly stretched military the capacity for advanced technology to catalyze violence and the american public's lack of familiarity with these topics future peace describes the many provocations to violence and how technologies are abetting those urges and it explores what can be done to mitigate not only dangerous human behaviors but also dangerous technical behaviors latiff concludes that peace is possible but will require intense cooperative efforts on the part of technologists military leaders diplomats politicians and citizens future peace amplifies some well known ideas about how to address the issues and provides far mid and short term recommendations for actions that are necessary to reverse the apparent headlong rush into conflict

the new fourth ebook edition of technology war and independence is book 3 of the best selling oxford ks3 history by aaron wilkes series it covers twentieth century history including the suffragettes first and second world wars democracy and dictatorship the cold war the end of the british empire migration changes in medicine and public health and globalization this e textbook introduces the history content and skills needed to support a coherent knowledge rich curriculum prepares students for success in key stage 3 history and builds solid foundations for gcse study carefully designed content and assessments support student progression throughout the textbook series historical sources and interpretations are presented with clear provenances over to you activities for every lesson check students knowledge and understanding and are ramped in difficulty to build confidence step by step guidance on key history skills provides scaffolding to introduce students to the skills needed for further study literacy focus feature helps improve students essay writing skills and grammar complete assessment support including quick knowledge quizzes and exam style assessments this book retains aaron wilkes unique and engaging style shown in recent research to inspire and motivate young historians technology war and independence kerboodle lessons resources assessment offers a digital subscription

packed full of customisable interactives worksheets animations and automarked assessments

this is the most up to date assessment of all aspects of the people s liberation army leading specialists on the chinese military cover military leadership defense doctrine and military readiness preparations for high tech warfare military expenditure military logistics the scientific and technological base for defense procurement and china s security concerns in northeast asia

emphasizing an interdisciplinary and international coverage of the functions and effects of science and technology in society and culture science technology and society b contains over 130 a to z signed articles written by major scholars and experts from academic and scientific institutions and institutes worldwide each article is accompanied by a selected bibliography other features include extensive cross referencing throughout a directory of contributors and an extensive topical index

from the former news policy lead at google an informative and often harrowing wake up call publishers weekly that explains the high stakes global cyberwar brewing between western democracies and the authoritarian regimes of china and russia that could potentially crush democracy from 2016 to 2020 jacob helberg led google s global internal product policy efforts to combat disinformation and foreign interference during this time he found himself in the midst of what can only be described as a quickly escalating two front technology cold war between democracy and autocracy on the front end we re fighting to control the software applications news information social media platforms and more of what we see on the screens of our computers tablets and phones a clash which started out primarily with russia but now increasingly includes china and iran even more ominously we re also engaged in a hidden back end battle largely with china to control the internet s hardware which includes devices like cellular phones satellites fiber optic cables and 5g networks this tech fueled war will shape the world s balance of power for the coming century as autocracies exploit 21st century methods to redivide the world into 20th century style spheres of influence without a firm partnership with the government silicon valley is unable to protect democracy from the autocrats looking to sabotage it from beijing to moscow and tehran helberg offers unnervingly convincing evidence that time is running out in the gray war with the enemies of freedom kirkus reviews which could affect every meaningful aspect of our lives including our economy our infrastructure our national security and ultimately our national sovereignty

a scholarly overview of military technology throughout history starting roughly in the 15th century and extending into the future insightful publishers weekly in this engaging book jeremy black argues that technology neither acts as an independent variable nor operates without major limitations this includes its capacity to obtain end results as technology s impact is far from simple and its pathways are by no means clear after considering such key conceptual points black discusses important technological advances in weaponry and power projection from sailing warships to aircraft carriers muskets to tanks balloons to unmanned drones in each case taking into account what difference these advances made he addresses not only firepower but also power projection and technologies of logistics command and control examining military technologies in their historical context and the present centered on the revolution in military affairs and military transformation black

then forecasts possible future trends clear concise and thoughtful an eminently readable synthesis of historical literature on technology and war john france author of perilous glory the rise of western military power an interesting thought provoking work by a major military historian whose depth and wide range of knowledge across the entire sweep of world military history is without parallel those who read this book closely will be richly rewarded for it is a mine of useful information and grist for discussion spencer c tucker author of the european powers in the first world war a most useful introduction to a very complex subject and particularly valuable for its notes and references to other works provocative and vigorously argued highly recommended choice

warrior geeks examines how technology is transforming the way we think about and fight war taking three major changes that are driving this process cybernetic technologies that are folding soldiers into a cybernetic system that will allow the military to read their thoughts and emotions and mould them accordingly the coexistence of men and robots in the battle spaces of tomorrow and the extent to which we may be able to re engineer warriors through pharmacological manipulation by referring back to the greeks who defined the contours of war for us coker shows how we are in danger of losing touch with our humanity the name we give not only to a species but the virtues we deem it to embody the journey from greeks to geeks may be a painful one war can only be rendered more humane if we stay in touch with the ancestors yet unfortunately we are planning to subcontract our ethical choices to machines in revaluing technology are we devaluing our humanity or the post human condition changing our subjectivity and thus the existential dimension of war by changing our relationship with technology both functionally and performatively

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Introduction

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