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Network: 1: Student Book with Online Practice Network: 3: Student Book with Online Practice Network Propaganda Networks for Social Impact Networks of Modernity _English Language Teaching and Teacher Education in East Asia_ The Internet – Primary Resource Books for Teachers Introduction to Modern Dynamics Neural Networks for Pattern Recognition Network: 2: Student Book with Online Practice Generating Random Networks and Graphs Social Networks of Meaning and Communication _Data Science and Complex Networks_ Multilayer Networks Network: 4: Workbook with listening Language, Education and Neoliberalism _Theories of Communication Networks_ Scale-Free Networks Entrepreneurship as Networking _The Connected Past_ Educating Refugee-background Students Understanding Social Networks The Oxford Handbook of Internet Studies _Black Software_ Neighbor Networks Teen2teen The Oxford Handbook of Social Networks _A First Course in Network Theory_ Four Internets 500 Activities for the Primary Classroom Building Teacher Capacity in English Language Teaching in Vietnam The History of Oxford University Press _The History of Oxford University Press: Volume IV_ _Evolution of Networks_ Internet of Things Digital Literacies Network: 2: Teacher's Book with Testing Program CD-ROM Networks Plagiarism, the Internet, and Student Learning Concise Oxford Companion to the English Language

Networks Aug 28 2019 The scientific study of networks, including computer networks, social networks, and biological networks, has received an enormous amount of interest in the last few years. The rise of the Internet and the wide availability of inexpensive computers have made it possible to gather and analyze network data on a large scale, and the development of a variety of new theoretical tools has allowed us to extract new knowledge from many different kinds of networks. The study of networks is broadly interdisciplinary and important developments have occurred in many fields, including mathematics, physics, computer and information sciences, biology, and the social sciences. This book brings together for the first time the most important breakthroughs in each of these fields and presents them in a coherent fashion, highlighting the strong interconnections between work in different areas. Subjects covered include the measurement and structure of networks in many branches of science, methods for analyzing network data, including methods developed in physics, statistics, and sociology, the fundamentals of graph theory, computer algorithms, and spectral methods, mathematical models of networks, including random graph models and generative models, and theories of dynamical processes taking place on networks.

Data Science and Complex Networks Oct 23 2021 This book provides a comprehensive yet short description of the basic concepts of Complex Network theory. In contrast to other books the authors present these concepts through real case studies. The application topics span from Foodwebs, to the Internet, the World Wide Web and the Social Networks, passing through the International Trade Web and Financial time series. The final part is devoted to definition and implementation of the most important network models. The text provides information on the structure of the data and on the quality of available datasets. Furthermore it provides a series of codes to allow immediate implementation of what is theoretically described in the book. Readers already used to the concepts introduced in this book can learn the art of coding in Python by using the online material. To this purpose the authors have set up a dedicated web site where readers can download and test the codes. The whole project is aimed as a learning tool for scientists and practitioners, enabling them to begin working instantly in the field of Complex Networks.

Networks of Modernity Jun 30 2022 This is an open access title available under the terms of a CC BY-NC-ND 4.0 International licence. It is free to read at Oxford Scholarship Online and offered as a free PDF download from OUP and selected open access locations. Networks of Modernity: Germany in the Age of the Telegraph, 1830–1880 offers a fresh perspective on the history of Germany by investigating the origins and impact of the 'communications revolution' that transformed state and society during the nineteenth century. It focuses upon the period 1830–1880, exploring the interactions between the many different actors who developed, administered, and used one of the most important technologies of the period-the electric telegraph. It reveals the channels through which scientific and technical knowledge circulated across Central Europe during the 1830s and 1840s, stimulating both collaboration and confrontation between the scientists, technicians, businessmen, and bureaucrats involved in bringing the telegraph to life. It highlights the technology's impact upon the conduct of trade, finance, news distribution, and government in the tumultuous decades that witnessed the 1848 revolutions, the wars of unification, and the establishment of the Kaiserreich in 1871. Following the telegraph lines themselves, it weaves together the changes which took place at a local, regional, national, and eventually global level, revisiting the technology's impact upon concepts of space and time, and highlighting the importance of this period in laying the foundations for Germany's experience of a profoundly ambiguous, networked modernity.

Network: 1: Student Book with Online Practice Nov 04 2022 Student Book: One-page, one-lesson, one-outcome approach ensures achievement Student Book: Your Network activities help students to practice communication in class and online Student Book: Get Connected lessons build social media skills such as creating a personal profile and blogging in English Student Book: A photo-based storyline presents the language students need for work, school, and life, in a natural and motivating way Student Book: Original BBC Motion Gallery video and authentic documentaries develop real-world listening skills Online Practice: Allows you to assign up to 25 hours of extra grammar, vocabulary, speaking, and listening practice for the classroom or at home, and track your students' progress Online Practice: Features over 120 activities per level, including integrated video, audio, and speak and record dialogue practice Online Practice: Provides instant access to Student Book video and audio, Workbook audio, test audio, and answer keys Online Practice: Makes reviewing students' progress easy with integrated and downloadable tests, including unit quizzes, midterms, and finals Online Practice: Features extra teacher tools so teachers can create groups of students for differentiated instruction and set up online discussions Online Practice: The access code for Online Practice is printed on the inside back cover of the Student Book

A First Course in Network Theory Jul 08 2020 The study of network theory is a highly interdisciplinary field, which has emerged as a major topic of interest in various disciplines ranging from physics and mathematics, to biology and sociology. This book promotes the diverse nature of the study of complex networks by balancing the needs of students from very different backgrounds. It references the most commonly used concepts in network theory, provides examples of their applications in solving practical problems, and clear indications on how to analyse their results. In the first part of the book, students and researchers will discover the quantitative and analytical tools necessary to work with complex networks, including the most basic concepts in network and graph theory, linear and matrix algebra, as well as the physical concepts most frequently used for studying networks. They will also find instruction on some key skills such as how to proof analytic results and how to manipulate empirical network data. The bulk of the text is focused on instructing readers on the most useful tools for modern practitioners of network theory. These include degree

distributions, random networks, network fragments, centrality measures, clusters and communities, communicability, and local and global properties of networks. The combination of theory, example and method that are presented in this text, should ready the student to conduct their own analysis of networks with confidence and allow teachers to select appropriate examples and problems to teach this subject in the classroom.

Neighbor Networks Oct 11 2020 There is a moral to this book, a bit of Confucian wisdom often ignored in social network analysis: "Worry not that no one knows you, seek to be worth knowing." This advice is contrary to the usual social network emphasis on securing relations with well-connected people. Neighbor Networks examines the cases of analysts, bankers, and managers, and finds that rewards, in fact, do go to people with well-connected colleagues. Look around your organization. The individuals doing well tend to be affiliated with well-connected colleagues. However, the advantage obvious to the naked eye is misleading. It disappears when an individual's own characteristics are held constant. Well-connected people do not have to affiliate with people who have nothing to offer. This book shows that affiliation with well-connected people adds stability but no advantage to a person's own connections. Advantage is concentrated in people who are themselves well connected. This book is a trail of argument and evidence that leads to the conclusion that individuals make a lot of their own network advantage. The social psychology of networks moves to center stage and personal responsibility emerges as a key theme. In the end, the social is affirmed, but with an emphasis on individual agency and the social psychology of networks. The research gives new emphasis to Coleman's initial image of social capital as a forcing function for human capital. This book is for academics and researchers of organizational and network studies interested in a new angle on familiar data, and as a supplemental reading in graduate courses on social networks, stratification, or organizations. A variety of research settings are studied, and diverse theoretical perspectives are taken. The book's argument and evidence are supported by ample appendices for readers interested in background details.

Understanding Social Networks Jan 14 2021 Understanding Social Networks explains the big ideas that underlie social networks, covering fundamental concepts then discussing networks and their core themes in increasing order of complexity.

Social Networks of Meaning and Communication Nov 23 2021 In Social Networks of Meaning and Communication, Jan A. Fuhse offers a coherent theory of social structures as networks of relations interwoven with meaning. Drawing upon and extending the relational sociology of Harrison White and Charles Tilly, Fuhse seeks to establish a theory of social networks. Using a broad range of classic and contemporary social theory, he reconceptualizes social networks as constituted in patterns of expectations that form, reproduce, and change over the course of communicative events. These events, he argues, are the basic building blocks of the social world. They lead to expectations about the behavior of actors and their interaction with others the meaning structure making for observable regularities of communication in social networks. Social Networks of Meaning and Communication lays out a relational and constructivist perspective of social networks, highlighting a number of implications for social relationships, groups, and collective actors, as well as ethnic categories and cultural differences, roles and institutions, gender and family relations, and methods of social network analysis. Its framework bridges the gap in social network research between technically sophisticated analyses and complex, elusive theorizing.

Generating Random Networks and Graphs Dec 25 2021 This book describes how to correctly and efficiently generate random networks based on certain constraints. Being able to test a hypothesis against a properly specified control case is at the heart of the 'scientific method'.

Concise Oxford Companion to the English Language Jun 26 2019 From Sanskrit to Scouse, this book provides a single-volume source of information about the English language. The guide is intended both for reference and and for browsing. The international perspective takes in language from Cockney to Creole, Aboriginal English to Zummerzet, Estuary English to Caribbean English and a historical range from Beowulf to Ebonics, Chaucer to Chomsky, Latin to the World Wide Web. There is coverage of a wide range of topics from abbreviation to Zeugma, Shakespeare to split infinitive and substantial entries on key subjects such as African English, etymology, imperialism, pidgin, poetry, psycholinguistics and slang. Box features include pieces on place-names, the evolution of the alphabet, the story of OK, borrowings into English, and the Internet. Invaluable reference for English Language students, and fascinating reading for the general reader with an interest in language.

Introduction to Modern Dynamics Mar 28 2022 The best parts of physics are the last topics that our students ever see. These are the exciting new frontiers of nonlinear and complex systems that are at the forefront of university research and are the basis of many high-tech businesses. Topics such as traffic on the World Wide Web, the spread of epidemics through globally-mobile populations, or how the synchronization of global economies are governed by universal principles just as profound as Newton's laws. Nonetheless, the conventional university physics curriculum reserves most of these topics for graduate study because of the assumed need for advanced mathematics. However, by using only linear algebra and calculus, combined with exploratory computer simulations, all of these topics become accessible to advanced undergraduate students. The structure of this book combines the three main topics of modern dynamics – chaos theory, dynamics on complex networks, and general relativity – into a coherent framework. By taking a geometric view of physics, concentrating on the time evolution of physical systems as trajectories through abstract spaces, these topics share a common and simple mathematical language through which any student can gain a unified physical intuition. Given the growing importance of complex dynamical systems in many areas of science and technology, this text provides students with an up-to-date foundation for their future careers. This second edition has an updated introductory chapter and has added key topics to help students prepare for their GRE physics subject exam. It also has expanded chapters on Hamiltonian dynamics, Hamiltonian chaos, and Econophysics, while increasing the number of homework problems at the end of each chapter. The second edition is designed to fulfill the textbook needs of any advanced undergraduate course in mechanics.

The Internet – Primary Resource Books for Teachers Apr 28 2022 Opens up new opportunities for language learning, with the World Wide Web providing access to material on almost any topic.

Networks for Social Impact Aug 01 2022 A broad review of how nonprofits, businesses, and governments work together to tackle social problems Networks for Social Impact takes a systems approach to explain how and when networks make a social impact. Michelle Shumate and Katherine R. Cooper argue that network design and management is not a one-size-fits-all formula. Instead, they show that the type of social issue, the mechanism for social impact, environment, and resources available each determine appropriate choices. Drawing on research from public administration, psychology, business, network science, social work, and communication, this book synthesizes what we know about how to best design and manage networks. It includes illustrations from thirty original case studies which describe groups of organizations addressing issues such as gender-based violence, educational outcomes, senior care, veterans' services, mental health and wellness, and climate change. Additionally, the volume examines critical issues that leaders address in creating and managing networks, including social issue analysis, network governance, securing and managing funding, dealing with power and conflict, using data effectively, and managing change. Each chapter includes tools for network leaders to use to handle these issues. This book is neither an overly idealistic, pro-collaboration account of the benefits of network

approaches, nor is it a critical view of these efforts. Instead, this clear and concise volume highlights the opportunities and challenges of networks.

The History of Oxford University Press Mar 04 2020 Features: --Written by thirteen contributors, experts in their fields of history, publishing, and printing --Includes almost 200 illustrations --Contains maps showing the growth and extent of Press activity in Oxford at different points in the period covered by the volume --Draws extensively on material from the Oxford University Archives. The story of Oxford University Press spans five centuries of printing and publishing. Beginning with the first presses set up in Oxford in the fifteenth century and the later establishment of a university printing house, it leads through the publication of bibles, scholarly works, and the Oxford English Dictionary, to a twentieth-century expansion that created the largest university press in the world, playing a part in research, education, and language learning in more than 50 countries. With access to extensive archives, The History of OUP traces the impact of long-term changes in printing technology and the business of publishing. It also considers the effects of wider trends in education, reading, and scholarship, in international trade and the spreading influence of the English language, and in cultural and social history – both in Oxford and through its presence around the world. This FIRST volume begins with the successive attempts to establish printing at Oxford from 1478 onwards. Ian Gadd and sixteen expert contributors chart the activities of individual university printers, the eventual establishment of a university printing house, its relationship with the University, and influential developments in printing under Archbishop Laud, John Fell, and William Blackstone. They explore the range of scholarly and religious works produced, together with the growing influence of the University Press on the city of Oxford, and its place in the book trade in general. By the late eighteenth century, the University Press was both printer and publisher. This SECOND volume charts its rich and complicated history between 1780 and 1896, when transformations in the way books were printed led, in turn, to greater expertise in distributing and selling Oxford books. Simon Eliot and twelve expert contributors look at the relationship of the Press with the wider book trade, and with the University and city of Oxford. They also explore the growing range of books produced – including, above all, the creation and initial publication of the Oxford English Dictionary. Readership: In the THIRD volume, the twentieth century brought new horizons to Oxford University Press as offices were opened in the USA (in 1896), Canada, Australia, India, Pakistan, East Asia, and Africa. Wm Roger Louis and 22 expert contributors explore the growth of OUP's publishing, not only in works of scholarship and religion, but also in dictionaries, reference works, and literature for general readers, and in publishing for education and English language teaching. They trace OUP's relationship with the University and city of Oxford, and its place in London and the international book trade. The volume also considers the technological revolution that led to the decline of the printing business in Oxford, and the new challenges of managing a much larger organization that were identified by the influential Waldock Report of 1970. -- Those interested in publishing history, company histories, book history, cultural and industrial history, and the history of Oxford particularly. It will appeal to academics working and teaching in these subjects, and also to authors, academics, and readers connected with Oxford or OUP. Publishers note.

Language, Education and Neoliberalism Jul 20 2021 This edited volume presents an empirical account of how neoliberal ideas are adopted on the ground by different actors in different educational settings, from bilingual education in the US, to migrant work programmes in Italy, to minority language teaching in Mexico. It examines language and education as objects of neoliberalization and as powerful tools and sites through which ideological principles underpinning neoliberal societies and economies are (re)produced and maintained (and with that, inequality and exclusion). This book aims to produce a complex understanding of how neoliberal rationalities are articulated within locally anchored and historical regimes of knowledge on language, education and society.

Theories of Communication Networks Jun 18 2021 To date, most network research contains one or more of five major problems. First, it tends to be atheoretical, ignoring the various social theories that contain network implications. Second, it explores single levels of analysis rather than the multiple levels out of which most networks are comprised. Third, network analysis has employed very little the insights from contemporary complex systems analysis and computer simulations. Foruth, it typically uses descriptive rather than inferential statistics, thus robbing it of the ability to make claims about the larger universe of networks. Finally, almost all the research is static and cross-sectional rather than dynamic. Theories of Communication Networks presents solutions to all five problems. The authors develop a multitheoretical model that relates different social science theories with different network properties. This model is multilevel, providing a network decomposition that applies the various social theories to all network levels: individuals, dyads, triples, groups, and the entire network. The book then establishes a model from the perspective of complex adaptive systems and demonstrates how to use Blanche, an agent-based network computer simulation environment, to generate and test network theories and hypotheses. It presents recent developments in network statistical analysis, the p* family, which provides a basis for valid multilevel statistical inferences regarding networks. Finally, it shows how to relate communication networks to other networks, thus providing the basis in conjunction with computer simulations to study the emergence of dynamic organizational networks.

Four Internets Jun 06 2020 "The book describes the Internet, and how Internet governance prevents it fragmenting into a 'Splinternet'. Four opposing ideologies about how data flows around the network have become prominent because they are (a) implemented by technical standards, and (b) backed by influential geopolitical entities. Each of these specifies an 'Internet', described in relation to its implementation by a specific geopolitical entity. The Four Internets of the title are the Silicon Valley Open Internet, developed by pioneers of the Internet in the 1960s, based on principles of openness and efficient dataflow; the Brussels Bourgeois Internet, exemplified by the European Union with a focus on human rights and legal administration; the DC Commercial Internet, exemplified by the Washington establishment and its focus on property rights and market solutions; and the Beijing Paternal Internet, exemplified by the Chinese government's control of Internet content. These Internets have to coexist if the Internet as a whole is to remain connected. The book also considers the weaponization of the hacking ethic as the Moscow Spoiler model, exemplified by Russia's campaigns of misinformation at scale; this is not a vision of the Internet, but is parasitic on the others. Each of these ideologies is illustrated by a specific policy question. Potential future directions of Internet development are considered, including the policy directions that India might take, and the development of technologies such as artificial intelligence, smart cities, the Internet of Things, and social machines. A conclusion speculates on potential future Internets that may emerge alongside those described"--

Scale-Free Networks May 18 2021 A variety of different social, natural and technological systems can be described by the same mathematical framework. This holds from the Internet to food webs and to boards of company directors. In all these situations a graph of the elements of the system and their interconnections displays a universal feature. There are only few elements with many connections, and many elements with few connections. This book presents the experimental evidence of these "Scale-free networks" and provides students and researchers with a corpus of theoretical results and algorithms to analyse and understand these features. The content of this book and the exposition makes it a clear textbook for beginners, and a reference book for the experts.

Evolution of Networks Jan 02 2020 We live in a world of networks, where everything is amazingly close to everything else. The notion of 'network' turns out to be central to our times: the Internet and WWW are changing our lives; our

physical existence is based on various biological networks; we are involved in all-enveloping networks of economic and social relations. Only in the 1990s did physicists begin to explore real networks, both natural and artificial, as evolving systems with intriguingly complex and effective architectures. Progress has been so immediate and astounding that we actually face a new science based on a new set of concepts, and, one may even say, on a new philosophy: the natural philosophy of a small world. Old ideas from mathematics, statistical physics, biology, computer science, and so on take on quite new forms in applications to real evolving networks. – What is common to all networks? – What are the general principles of the organization and evolution of networks? – How do the laws of nature work in communication, biological, and social networks? – What are networks? This book, written by physicists, answers these questions and presents a general insight into the world of networks.

Network: 4: Workbook with listening Aug 21 2021

The Oxford Handbook of Internet Studies Dec 13 2020 Internet Studies has been one of the most dynamic and rapidly expanding interdisciplinary fields to emerge over the last decade. The Oxford Handbook of Internet Studies has been designed to provide a valuable resource for academics and students in this area, bringing together leading scholarly perspectives on how the Internet has been studied and how the research agenda should be pursued in the future. The Handbook aims to focus on Internet Studies as an emerging field, each chapter seeking to provide a synthesis and critical assessment of the research in a particular area. Topics covered include social perspectives on the technology of the Internet, its role in everyday life and work, implications for communication, power, and influence, and the governance and regulation of the Internet. The Handbook is a landmark in this new interdisciplinary field, not only helping to strengthen research on the key questions, but also shape research, policy, and practice across many disciplines that are finding the Internet and its political, economic, cultural, and other societal implications increasingly central to their own key areas of inquiry.

Multilayer Networks Sep 21 2021 Multilayer networks is a rising topic in Network Science which characterizes the structure and the function of complex systems formed by several interacting networks. Multilayer networks research has been propelled forward by the wide realm of applications in social, biological and infrastructure networks and the large availability of network data, as well as by the significance of recent results, which have produced important advances in this rapidly growing field. This book presents a comprehensive account of this emerging field. It provides a theoretical introduction to the main results of multilayer network science.

Network: 2: Teacher's Book with Testing Program CD-ROM Sep 29 2019

Entrepreneurship as Networking Apr 16 2021 In the world of business, who you know is usually more important than what you know. While most research highlights the personal characteristics and expertise important to business success, this book demonstrates that networking is the core of entrepreneurship. Both counterintuitive and powerful, this perspective reframes entrepreneurial action by placing networking at the center of the process. Traditionally, networks have been regarded as facilitators of business, but Tom Elfring, Kim Klyver, and Elco van Burg argue that networking is actually the basis of entrepreneurial action, and conversely, that entrepreneurial action is networking. In developing an "entrepreneurship as networking" model, the book addresses the persistent problems that plague the dominant "individual-opportunity" approach in entrepreneurship. They describe the key dynamics, mechanisms, and practices of entrepreneurship as networking, and point at fruitful networking strategies for entrepreneurs. Thus, the authors provide an integrated and dynamic account of entrepreneurial agency that prioritizes interaction with the surrounding social environment. They also explain what a viable network is for entrepreneurs and how networking activities affect their endeavours. Their perspective sheds new light on the origins of opportunities and how entrepreneurs access and mobilize resources. The approach also explains how entrepreneurs build legitimacy and exploit the networks they work within. Offering a groundbreaking theory of entrepreneurial action as networking, Entrepreneurship as Networking opens up an entirely new research agenda.

English Language Teaching and Teacher Education in East Asia May 30 2022 This book uncovers the challenges posed by globalization to Asian jurisdictions in English language teaching and teacher education.

Educating Refugee-background Students Feb 12 2021 This collection of empirical work offers an in-depth exploration of key issues in the education of adolescents and adults with refugee backgrounds residing in North America, Australia and Europe. These studies foreground student goals, experiences and voices, and reflect a high degree of awareness of the assets that refugee-background students bring to schools and broader society. Chapters are clustered according to the two themes of Language and Literacy, and Access and Equity. Each chapter includes a discussion of context, researcher positionality and implications for educators, policy-makers and scholars.

Teen2teen Sep 09 2020 With its teen appeal and carefully paced syllabus, Teen2Teen makes learning English irresistible and teaching English effortless. Teen2Teen reflects the social nature of teenagers. Realistic language models and dialogues correspond to their patterns of communication, and controlled speaking practice exploits their enjoyment of social interaction, thus building their confidence. The grammar syllabus is carefully paced and clearly presented, and new vocabulary is taught explicitly usingvisual cues and definitions.

Network: 2: Student Book with Online Practice Jan 26 2022 Student Book: One-page, one-lesson, one-outcome approach ensures achievement Student Book: Your Network activities help students to practice communication in class and online Student Book: Get Connected lessons build social media skills such as creating a personal profile and blogging in English Student Book: A photo-based storyline presents the language students need for work, school, and life, in a natural and motivating way Student Book: Original BBC Motion Gallery video and authentic documentaries develop real-world listening skills Online Practice: Allows you to assign up to 25 hours of extra grammar, vocabulary, speaking, and listening practice for the classroom or at home, and track your students' progress Online Practice: Features over 120 activities per level, including integrated video, audio, and speak and record dialogue practice Online Practice: Provides instant access to Student Book video and audio, Workbook audio, test audio, and answer keys Online Practice: Makes reviewing students' progress easy with integrated and downloadable tests, including unit quizzes, midterms, and finals Online Practice: Features extra teacher tools so teachers can create groups of students for differentiated instruction and set up online discussions Online Practice: The access code for Online Practice is printed on the inside back cover of the Student Book

Building Teacher Capacity in English Language Teaching in Vietnam Apr 04 2020 This timely volume opens a window on issues related to English language education in Vietnam. The authors consider that teacher quality is the key factor to be considered if the national English language curriculum outcomes are to be achievable. Aiming to shed light on key issues recently observed in the Vietnamese landscape of English language education, it examines the complexity of the institutionalization of the standardized English proficiency policy, which has been in force since 2008. That policy uses the Common European Framework of References for Languages (CEFR) as the model to set the standards and levels of proficiency for teachers, learners and state employees. The book presents both the theoretical and practical aspects of the standardization movement in English language education. The contents comprise a series of extended research-based chapters written by experts of language-in-education policy and planning in and about Vietnam from a range of perspectives including teachers, English language curriculum developers, teacher educators and researchers. The rich

coverage of the book includes current discussion on English language education in Vietnam ranging from policy to practice, making it highly relevant to English teachers, teacher educators, and scholars, in Vietnam and worldwide, who aspire to broaden their horizons and professionalism.

Internet of Things Dec 01 2019 Internet of Things is a textbook designed for students of computer science, information technology and electronics & communication engineering to understand the interconnection and integration of the physical world with the cyber space and begin designing and developing simple IoT devices. Divided in to five parts, the book in nineteen chapters takes the reader through the foundations of the subject before moving onto discussing the essential components of an IoT system, including the sensor and actuators, open hardware, middleware, and software platforms with sound illustrations for better understanding. It also dedicates a complete module comprising four chapters on IoT and its relevance to Big Data. The last two parts of the book focuses on data management and use casesfinally ending with the chapter on futuristic outlook of this technology.

Digital Literacies Oct 30 2019 Dramatic shifts in our communication landscape have made it crucial for language teaching to go beyond print literacy and encompass the digital literacies which are increasingly central to learners' personal, social, educational and professional lives. By situating these digital literacies within a clear theoretical framework, this book provides educators and students alike with not just the background for a deeper understanding of these key 21st-century skills, but also the rationale for integrating these skills into classroom practice. This is the first methodology book to address not just why but also how to teach digital literacies in the English language classroom. This book provides: A theoretical framework through which to categorise and prioritise digital literacies Practical classroom activities to help learners and teachers develop digital literacies in tandem with key language skills A thorough analysis of the pedagogical implications of developing digital literacies in teaching practice A consideration of exactly how to integrate digital literacies into the English language syllabus Suggestions for teachers on how to continue their own professional development through PLNs (Personal Learning Networks), and how to access teacher development opportunities online This book is ideal for English language teachers and learners of all age groups and levels, academics and students researching digital literacies, and anyone looking to expand their understanding of digital literacies within a teaching framework.

Network Propaganda Sep 02 2022 This is an open access title available under the terms of a CC BY-NC-ND 4.0 International licence. It is free to read at Oxford Scholarship Online and offered as a free PDF download from OUP and selected open access locations. Is social media destroying democracy? Are Russian propaganda or "Fake news" entrepreneurs on Facebook undermining our sense of a shared reality? A conventional wisdom has emerged since the election of Donald Trump in 2016 that new technologies and their manipulation by foreign actors played a decisive role in his victory and are responsible for the sense of a "post-truth" moment in which disinformation and propaganda thrives. Network Propaganda challenges that received wisdom through the most comprehensive study yet published on media coverage of American presidential politics from the start of the election cycle in April 2015 to the one year anniversary of the Trump presidency. Analysing millions of news stories together with Twitter and Facebook shares, broadcast television and YouTube, the book provides a comprehensive overview of the architecture of contemporary American political communications. Through data analysis and detailed qualitative case studies of coverage of immigration, Clinton scandals, and the Trump Russia investigation, the book finds that the right-wing media ecosystem operates fundamentally differently than the rest of the media environment. The authors argue that longstanding institutional, political, and cultural patterns in American politics interacted with technological change since the 1970s to create a propaganda feedback loop in American conservative media. This dynamic has marginalized centre-right media and politicians, radicalized the right wing ecosystem, and rendered it susceptible to propaganda efforts, foreign and domestic. For readers outside the United States, the book offers a new perspective and methods for diagnosing the sources of, and potential solutions for, the perceived global crisis of democratic politics.

500 Activities for the Primary Classroom May 06 2020

The Oxford Handbook of Social Networks Aug 09 2020 While some social scientists may argue that we have always been networked, the increased visibility of networks today across economic, political, and social domains can hardly be disputed. Social networks fundamentally shape our lives and social network analysis has become a vibrant, interdisciplinary field of research. In The Oxford Handbook of Social Networks, Ryan Light and James Moody have gathered forty leading scholars in sociology, archaeology, economics, statistics, and information science, among others, to provide an overview of the theory, methods, and contributions in the field of social networks. Each of the thirty-three chapters in this Handbook moves through the basics of social network analysis aimed at those seeking an introduction to advanced and novel approaches to modeling social networks statistically. They cover both a succinct background to, and future directions for, distinctive approaches to analyzing social networks. The first section of the volume consists of theoretical and methodological approaches to social networks, such as visualization and network analysis, statistical approaches to networks, and network dynamics. Chapters in the second section outline how network perspectives have contributed substantively across numerous fields, including public health, political analysis, and organizational studies. Despite the rapid spread of interest in social network analysis, few volumes capture the state-of-the-art theory, methods, and substantive contributions featured in this volume. This Handbook therefore offers a valuable resource for graduate students and faculty new to networks looking to learn new approaches, scholars interested in an overview of the field, and network analysts looking to expand their skills or substantive areas of research.

Neural Networks for Pattern Recognition Feb 24 2022 Statistical pattern recognition; Probability density estimation; Single-layer networks; The multi-layer perceptron; Radial basis functions; Error functions; Parameter optimization algorithms; Pre-processing and feature extraction; Learning and generalization; Bayesian techniques; Appendix; References; Index.

Black Software Nov 11 2020 Activists, pundits, politicians, and the press frequently proclaim today's digitally mediated racial justice activism the new civil rights movement. As Charlton D. McIlwain shows in this book, the story of racial justice movement organizing online is much longer and varied than most people know. In fact, it spans nearly five decades and involves a varied group of engineers, entrepreneurs, hobbyists, journalists, and activists. But this is a history that is virtually unknown even in our current age of Google, Facebook, Twitter, and Black Lives Matter. Beginning with the simultaneous rise of civil rights and computer revolutions in the 1960s, McIlwain, for the first time, chronicles the long relationship between African Americans, computing technology, and the Internet. In turn, he argues that the forgotten figures who worked to make black politics central to the Internet's birth and evolution paved the way for today's explosion of racial justice activism. From the 1960s to present, the book examines how computing technology has been used to neutralize the threat that black people pose to the existing racial order, but also how black people seized these new computing tools to build community, wealth, and wage a war for racial justice.Through archival sources and the voices of many of those who lived and made this history, Black Software centralizes African Americans' role in the Internet's creation and evolution, illuminating both the limits and possibilities for using digital technology to push for racial justice in the United States and across the globe.

The History of Oxford University Press: Volume IV Feb 01 2020 The story of Oxford University Press spans five centuries

of printing and publishing. Beginning with the first presses set up in Oxford in the fifteenth century and the later establishment of a university printing house, it leads through the publication of bibles, scholarly works, and the Oxford English Dictionary, to a twentieth-century expansion that created the largest university press in the world, playing a part in research, education, and language learning in more than 50 countries. With access to extensive archives, the four-volume History of OUP traces the impact of long-term changes in printing technology and the business of publishing. It also considers the effects of wider trends in education, reading, and scholarship, in international trade and the spreading influence of the English language, and in cultural and social history – both in Oxford and through its presence around the world. In the decades after 1970 Oxford University Press met new challenges but also a period of unprecedented growth. In this concluding volume, Keith Robbins and 21 expert contributors assess OUP's changing structure, its academic mission, and its business operations through years of economic turbulence and continuous technological change. The Press repositioned itself after 1970: it brought its London Business to Oxford, closed its Printing House, and rapidly developed new publishing for English language teaching in regions far beyond its traditional markets. Yet in an increasingly competitive worldwide industry, OUP remained the department of a major British university, sharing its commitment to excellence in scholarship and education. The resulting opportunities and sometimes tensions are traced here through detailed consideration of OUP's business decisions, the vast range of its publications, and the dynamic role of its overseas offices. Concluding in 2004 with new forms of digital publishing, The History of OUP sheds new light on the cultural, educational, and business life of the English-speaking world in the late twentieth century.

The Connected Past Mar 16 2021 One of the most exciting recent developments in archaeology and history has been the adoption of new perspectives which see human societies in the past—as in the present—as made up of networks of interlinked individuals. This view of people as always connected through physical and conceptual networks along which resources, information, and disease flow, requires archaeologists and historians to use new methods to understand how these networks form, function, and change over time. The Connected Past provides a constructive methodological and theoretical critique of the growth in research applying network perspectives in archaeology and history, and considers the unique challenges presented by datasets in these disciplines, including the fragmentary and material nature of such data and the functioning and change of social processes over long timespans. An international and multidisciplinary range of scholars debate both the rationale and practicalities of applying network methodologies, addressing the merits and drawbacks of specific techniques of analysis for a range of datasets and research questions, and demonstrating their approaches with concrete case studies and detailed illustrations. As well as revealing the valuable contributions archaeologists and historians can make to network science, the volume represents a crucial step towards the development of best practice in the field, especially in exploring the interactions between social and material elements of networks, and long-term network evolution.

Network: 3: Student Book with Online Practice Oct 03 2022 Student Book: One-page, one-lesson, one-outcome approach ensures achievement Student Book: Your Network activities help students to practice communication in class and online Student Book: Get Connected lessons build social media skills such as creating a personal profile and blogging in English Student Book: A photo-based storyline presents the language students need for work, school, and life, in a natural and motivating way Student Book: Original BBC Motion Gallery video and authentic documentaries develop real-world listening skills Online Practice: Allows you to assign up to 25 hours of extra grammar, vocabulary, speaking, and listening practice for the classroom or at home, and track your students' progress Online Practice: Features over 120 activities per level, including integrated video, audio, and speak and record dialogue practice Online Practice: Provides instant access to Student Book video and audio, Workbook audio, test audio, and answer keys Online Practice: Makes reviewing students' progress easy with integrated and downloadable tests, including unit quizzes, midterms, and finals Online Practice: Features extra teacher tools so teachers can create groups of students for differentiated instruction and set up online discussions Online Practice: The access code for Online Practice is printed on the inside back cover of the Student Book

Plagiarism, the Internet, and Student Learning Jul 28 2019 Written for Higher Education educators, managers and policy-makers, Plagiarism, the Internet and Student Learning combines theoretical understandings with a practical model of plagiarism and aims to explain why and how plagiarism developed. It offers a new way to conceptualize plagiarism and provides a framework for professionals dealing with plagiarism in higher education. Sutherland-Smith presents a model of plagiarism, called the plagiarism continuum, which usefully informs discussion and direction of plagiarism management in most educational settings. The model was developed from a cross-disciplinary examination of plagiarism with a particular focus on understanding how educators and students perceive and respond to issues of plagiarism. The evolution of plagiarism, from its birth in Law, to a global issue, poses challenges to international educators in diverse cultural settings. The case studies included are the voices of educators and students discussing the complexity of plagiarism in policy and practice, as well as the tensions between institutional and individual responses. A review of international studies plus qualitative empirical research on plagiarism, conducted in Australia between 2004-2006, explain why it has emerged as a major issue. The book examines current teaching approaches in light of issues surrounding plagiarism, particularly Internet plagiarism. The model affords insight into ways in which teaching and learning approaches can be enhanced to cope with the ever-changing face of plagiarism. This book challenges Higher Education educators, managers and policy-makers to examine their own beliefs and practices in managing the phenomenon of plagiarism in academic writing.