

English For Science And Technology

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2021-01-08

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Academic Writing in Context Springer Science & Business Media
Essays in english language teaching includes a selection of articles which are based on edited and peer-reviewed papers delivered at the "I Simposio de Enseñanza y Aprendizaje del Inglés: el método comunicativo en el año 2000" held at the University of Oviedo from 19 to 21 November, 1998, together with two plenary keynote lectures: Carme Muñoz's (University of Barcelona): "The effects of age on instructed foreign language acquisition"; and Ignacio Palacios' (University of Santiago de Compostela): "What's there to know about the learning of a foreign language?". No summary is provided as we hope they should be compulsory/compulsive reading.

Workbook for science and technology students Elsevier

Explores a number of themes of interest to those engaged in researching and teaching academic genres. This book is of interest to students on Master's programmes in Teaching English as a Second Language and Applied Linguistics, and to scholars researching issues of academic literacy.

Essential English for Science and Technology Publicacions de la Universitat Jaume I

Authoritative, comprehensive, and up-to-date--an indispensable resource for translators of Russian scientific and technical materials The spirit of cooperation that now exists between the Russian scientific community and its English-speaking colleagues has opened a floodgate of Russian language technical and scientific documents. To meet the demand for an authoritative and up-to-date reference, the classic Callaham's Russian-English Dictionary of Science and Technology has now been published in a new edition that encompasses the latest additions to the technical vocabulary. The product of decades of painstaking research by distinguished Russian language translators, this essential reference book upholds the high standard of thoroughness and accuracy that scientific and technical translators require. Technical specialists all over the English-speaking world--translators and interpreters, scientists, and engineers--will welcome the arrival of the Fourth Edition of Callaham's Russian-English Dictionary of Science and Technology.
* Over 120,000 Russian terms in the physical, life science, and engineering disciplines, and an additional 5,000 of the most frequently used, nontechnical terms
* Entries organized around common roots and arranged in paragraph form for greater efficiency
* The most comprehensive translations of Russian verbs found in any technical dictionary, complete with variations in meaning for different contexts
* Instructive linguistic information on how Russian prefixes, suffixes, and roots combine to form new words

Cambridge English for Scientists Student's Book with Audio CDs (2) Prentice Hall

Science communication seeks to engage individuals and groups with evidence-based information about the nature, outcomes, and social consequences of science and technology. This text

provides an overview of this burgeoning field - the issues with which it deals, important influences that affect it, the challenges that it faces. It introduces readers to the research-based literature about science communication and shows how it relates to actual or potential practice. A "Further Exploration" section provides suggestions for activities that readers might do to explore the issues raised. Organized around five themes, each chapter addresses a different aspect of science communication: • Models of science communication - theory into practice • Challenges in communicating science • Major themes in science communication • Informal learning • Communication of contemporary issues in science and society Relevant for all those interested in and concerned about current issues and developments in science communication, this volume is an ideal text for courses and a must-have resource for faculty, students, and professionals in this field.

Communication and Engagement with Science and Technology Wiley-Interscience

An updated edition of the classic guide to technical communication Consider that 20 to 50 percent of a technology professional's time is spent communicating with others. Whether writing a memo, preparing a set of procedures, or making an oral presentation, effective communication is vital to your professional success. This anthology delivers concrete advice from the foremost experts on how to communicate more effectively in the workplace. The revised and expanded second edition of this popular book completely updates the original, providing authoritative guidance on communicating via modern technology in the contemporary work environment. Two new sections on global communication and the Internet address communicating effectively in the context of increased e-mail and web usage. As in the original, David Beer's Second Edition discusses a variety of approaches, such as: * Writing technical documents that are clear and effective * Giving oral presentations more confidently * Using graphics and other visual aids judiciously * Holding productive meetings * Becoming an effective listener The new edition also includes updated articles on working with others to get results and on giving directions that work. Each article is aimed specifically at the needs of engineers and others in the technology professions, and is written by a practicing engineer or a technical communicator. Technical engineers, IEEE society members, and technical writing teachers will find this updated edition of David Beer's classic *Writing and Speaking in the Technology Professions* an invaluable guide to successful communication.

Good Style Universidad de Oviedo

The Handbook Philosophy of Technology and Engineering Sciences addresses numerous issues in the emerging field of the philosophy of those sciences that are involved in the technological process of designing, developing and making of new technical artifacts and systems. These issues include the nature of design, of technological knowledge, and of technical artifacts, as well as the toolbox of engineers. Most of these have thus far not been analyzed in general philosophy of science,

which has traditionally but inadequately regarded technology as mere applied science and focused on physics, biology, mathematics and the social sciences. • First comprehensive philosophical handbook on technology and the engineering sciences • Unparalleled in scope including explorative articles • In depth discussion of technical artifacts and their ontology • Provides extensive analysis of the nature of engineering design • Focuses in detail on the role of models in technology

Philosophy of Technology and Engineering Sciences

Routledge

Libraries have historically played a role as a community builder, providing resources and spaces where knowledge can be archived, shared and created. They can also play a pivotal role in fostering the public's understanding of science and scientific processes. From makerspaces to data visualization labs to exhibits, many libraries already delve into scientific explorations and many more could join them. Scientists often need to include "broader impacts" goals in grant proposals, but they might not know where to begin or feel that they do not have the time to devote to public engagement. This is where libraries and librarians can help. Research in science communication also supports tapping into libraries for public engagement with science. Studies show that it is important for scientists to present findings in an apolitical way-not aligning with one solution or one way of thinking and not being seen as an activist (Druckman, 2015; Jamieson & Hardy, 2014). One of the core tenets of librarians and libraries is to present information in a neutral way. Research also shows that Informal conversations about science can have a greater effect on people than reading about it online or hearing about it on the news (Eveland & Cooper, 2013). Again, libraries can play a role in fostering these types of conversations. Given this landscape, this book will demonstrate concrete ways that libraries and librarians can play a role in fostering public engagement with science. In addition to background information on the current landscape of public knowledge and understanding of science, it will also include best practices and case studies of different types of programming and services that libraries can offer. Often libraries do not jump to mind when people think about science education or science literacy, and many librarians do not come from a science background. Literature on science programming and sharing science is largely absent from the library field. This book will help give confidence to librarians that they can participate in engaging the public with science. At the same time, it will provide a conduit to bring informal science educators, communication officers from universities or research organizations who share scientific discoveries with the public, and librarians together to explore ways to align their work to promote scientific literacy for all. Demonstrates concrete ways that libraries and librarians can play a role in fostering public engagement with science Features best practices and case studies of different types of programming and services that libraries can offer Provides a conduit to bring informal science educators, communication officers, and librarians together to explore ways to align their work to promote scientific literacy

A Review of the Communicative Approach John Wiley & Sons

The Handbook of English for Specific Purposes John Wiley & Sons

Issues and Dilemmas : a Reader in Science Communication John Benjamins Publishing

Comprehensive yet accessible, this key Handbook provides an up-to-date overview of the fast growing and increasingly important area of 'public communication of science and technology', from both research and practical perspectives. As well as introducing the main issues, arenas and professional perspectives involved, it presents the findings of earlier research and the conclusions previously drawn. Unlike most existing books

on this topic, this unique volume couples an overview of the practical problems faced by practitioners with a thorough review of relevant literature and research. The practical Handbook format ensures it is a student-friendly resource, but its breadth of scope and impressive contributors means that it is also ideal for practitioners and professionals working in the field. Combining the contributions of different disciplines (media and journalism studies, sociology and history of science), the perspectives of different geographical and cultural contexts, and by selecting key contributions from appropriate and well-respected authors, this original text provides an interdisciplinary as well as a global approach to public communication of science and technology.

Science and Technology of Concrete Admixtures Chandos Publishing

Quantitative studies of science and technology represent the research field of utilization of mathematical, statistical, and data-analytical methods and techniques for gathering, handling, interpreting, and predicting a variety of features of the science and technology enterprise, such as performance, development, and dynamics. The field has both strongly developed applied research as well as basic research characteristics. The principal purpose of this handbook is to present this wide range of topics in sufficient depth to give readers a reasonably systematic understanding of the domain of contemporary quantitative studies of science and technology, a domain which incorporates theory, methods and techniques, and applications. In addressing this domain, the handbook aims at different groups of readers: those conducting research in the field of science and technology, including (graduate) students, and those who are to use results of the work presented in this book.

Writing and Speaking in the Technology Professions Routledge

Featuring a collection of newly commissioned essays, edited by two leading scholars, this Handbook surveys the key research findings in the field of English for Specific Purposes (ESP). • Provides a state-of-the-art overview of the origins and evolution, current research, and future directions in ESP • Features newly-commissioned contributions from a global team of leading scholars • Explores the history of ESP and current areas of research, including speaking, reading, writing, technology, and business, legal, and medical English • Considers perspectives on ESP research such as genre, intercultural rhetoric, multimodality, English as a lingua franca and ethnography

Academic Libraries and Public Engagement With Science and Technology Oxford University Press, USA

Good Style explains the tactics that can be used to write technical material in a coherent, readable style. It discusses in detail the choices of vocabulary, phrasing and sentence structure and each piece of advice is based on evidence of the styles preferred by technical readers and supported by many examples of writing from a variety of technical contexts. John Kirkman draws from his many years of experience lecturing on communication studies in Europe, the USA, the Middle East and Hong Kong, both in academic programmes and in courses for large companies, research centres and government departments. Good Style has become a standard reference book on the shelf of students of science, technology and computing and is an essential aid to all professionals whose work involves writing of reports, papers, guides, manuals or on-screen texts. This new edition also includes information on writing for the web and additional examples of how to express medical and life-science information.

English for Science and Technology Pergamon

English for Food Science and Technology is written to fulfill students' needs to learn English for Specific Purposes. This book is designed to provide an opportunity for the students to develop

their English skills more communicatively and meaningfully. It consists of twenty eight units. Each unit presents reading, writing, and speaking section. Reading section consists of pre-reading, reading comprehension, and vocabulary exercises related to the topic of the text. In writing section, some structure and sentence patterns are completed with guided writing exercises. Meanwhile, in speaking section students are provided with models and examples followed by practical activities which are presented in various ways. The materials have been arranged and graded in accordance with their language levels. Above all, to improve the quality of this textbook, criticisms and suggestions for better editions are highly appreciated.

ESP in European Higher Education The Handbook of English for Specific Purposes

Summative assessment has been a contentious issue in educational circles for several decades, particularly high-stakes assessment events which arise at various junctures of the school cycle, especially those at the end of it. The French Baccalaureat and English A-Levels and their numerous clones throughout the francophone and anglophone worlds are household names and represent milestone events in people's lives, as their outcomes are principal determinants of young people's future prospects. These examinations are external--they are devised, conducted and processed by agencies outside the schools, usually ministerial examination units. As such, they act as 'blind' arbiters of student achievement, providing the proverbial 'level playing field' which ensures the comparability of outcomes. In the pyramidal school structures of yesteryear, examinations acted as filters, regulating the progression of pupils to subsequent tiers of formal education. Exit points occurred from primary school level up, from where unsuccessful candidates could enter the labour force and/or embark on occupationally specific further education and training. With the modernisation of the labour market and an ever-higher social demand for access to higher levels of formal education, the filtering function of examinations at lower levels of schooling has been gradually eroded, while burgeoning numbers of students at the upper secondary level have brought about reforms that include curricular diversification and sometimes radical overhauls of terminating assessment systems (including the modification and, in some instances, abandonment of external examinations). This edited volume brings together the experiences of twenty examination systems from around the world to show how these dynamic entities have adapted over time to the changing context of schooling. Following an introduction by Stephen P. Heyneman of World Bank repute, there are sixteen chapters presenting Country Case Studies, which have been written up under common subheadings, thereby highlighting the comparative nature of the work and facilitating cross-referencing. The subsequent four chapters elaborate on the theme of 'external examinations beyond national borders', including a contribution by the International Baccalaureate Organisation. A defining feature of the work is the attention it pays to what it calls the 'nuts and bolts' of external examinations, from question-setting to grading procedures. These are, it is argued, instrumental in nurturing and maintaining public confidence in external examinations. The book will be of immense value to people involved in educational policy studies, especially strategic educational planning, as well as those directly concerned with formal assessment. The work has been written to appeal to a wide audience of informed persons--it is accessible to teachers and interested laypeople, as well as to academics."

A Basic Design for a Textbook in Reading English for Science and Technology (R.E.S.T.) John Wiley & Sons

Professional English is a five-volume integrated skills English for Specific Purposes series designed for intermediate-level pre-

working and working students. English for Science and Engineering is an integrated skills book designed to provide 40 hours of teaching and practice material for university students and professionals specializing or working in any of the fields of exact Science or Engineering.

English Grammar and Technical Writing Cambria Press

Louis Trimble has been involved for nearly 20 years in the development of English for science and technology (EST), and in this book he describes the approach which he and others have developed. It starts from the premise that in order to understand the written EST found in technical manuals, textbooks, papers etc., it is first necessary to have an understanding of the discourse structure of these texts. Here he gives a very full description, with many examples, of the various significant features of EST discourse, such as types of classification, definition, instruction etc. The book also describes the 'individualising process' whereby students bring their own specialised material into the course; and the last chapter, demonstrates how a particular course can be organised and structured.

English for specific purposes Routledge

Bilingualism and multilingualism both make a major contribution in cross-cultural interaction, but, at the same time, improve various cognitive abilities, such as better attention and multitasking. Meaning in the world around us is represented by means of the language that is used for communication and knowledge exchange between intelligent individuals. The phenomena of human interaction and communication are recently experiencing unprecedented influence from digital technologies. Language learning is part of the global revolution, meaning that language learning technologies are playing an increasingly important role in learning English for Specific Purposes. This volume addresses theoretical and practical aspects of learning, technology adoption and pedagogy in the context of English for Specific Purposes.

A Source and Reference Book on the Development of English for Science and Technology Peter Lang

Cambridge English for Scientists is a short course (40-60 hours) for student and professional scientists.

An English for Science and Technology Program for Greek University Students Heinle & Heinle Pub

The Bologna Reform has been implemented in a large part of the European Union and it is time to take a short pause to reflect over some of the lessons learned up to now. The aim of this book is to share experiences and reflections on English for Specific Purposes pedagogy in Western European higher education. Taking as a starting point the development of the EU policies during the past couple of decades and their national implementations, the chapters in this book provide various perspectives, both theoretical and practical, on the ways in which the reform has been implemented and its effects on the teaching of ESP. Experiences of developing programmes and courses incorporating Content and Language Integrated Learning and Autonomous and Lifelong Learning are described, as well as Problem-Based Learning and Process-Genre Pedagogies. The book also includes chapters on the crucial, but often neglected issue of teacher support in meeting the challenges of teaching content through the medium of English.

Episodes in ESP Elsevier

Science and Technology of Concrete Admixtures presents admixtures from both a theoretical and practical point-of-view. The authors emphasize key concepts that can be used to better understand the working mechanisms of these products by presenting a concise overview on the fundamental behavior of Portland cement and hydraulic binders as well as their chemical

admixtures, also discussing recent effects in concrete in terms of rheology, mechanics, durability, and sustainability, but never forgetting the fundamental role played by the water/binder ratio and proper curing in concrete technology. Part One presents basic knowledge on Portland cement and concrete, while Part Two deals with the chemical and physical background needed to better understand what admixtures are chemically, and through which mechanism they modify the properties of the fresh and hardened concrete. Subsequent sections present discussions on

admixtures technology and two particular types of concrete, self-consolidating and ultra-high strength concretes, with final remarks on their future. Combines the knowledge of two leading authors to present both the scientific and technology of admixtures Explains what admixtures are from a chemical point-of-view and illustrates by which mechanisms they modify the properties of fresh and hardened concrete Presents a fundamental, practical, and innovative reference book on the topic Contains three detailed appendices that can be used to learn how to use admixtures more efficiently