

Aqa Physics A2 Practical 2013

To create the exotic materials and technologies needed to make stargates and warp drives is the holy grail of advanced propulsion. A less ambitious, but nonetheless revolutionary, goal is finding a way to accelerate a spaceship without having to lug along a gargantuan reservoir of fuel that you blow out a tailpipe. Tethers and solar sails are conventional realizations of the basic idea. There may now be a way to achieve these lofty objectives. “Making Starships and Stargates” will have three parts. The first will deal with information about the theories of relativity needed to understand the predictions of the effects that make possible the “propulsion” techniques, and an explanation of those techniques. The second will deal with experimental investigations into the feasibility of the predicted effects; that is, do the effects exist and can they be applied to propulsion? The third part of the book - the most speculative - will examine the question: what physics is needed if we are to make wormholes and warp drives? Is such physics plausible? And how might we go about actually building such devices? This book pulls all of that material together from various sources, updates and revises it, and presents it in a coherent form so that those interested will be able to find everything of relevance all in one place.

Thinking Skills, second edition, is the only endorsed book offering complete coverage of the Cambridge International AS and A Level syllabus.

The second edition of Flight Stability and Automatic Control presents an organized introduction to the useful and relevant topics necessary for a flight stability and controls course. Not only is this text presented at the appropriate mathematical level, it also features standard terminology and nomenclature, along with expanded coverage of classical control theory, autopilot designs, and modern control theory. Through the use of extensive examples, problems, and historical notes, author Robert Nelson develops a concise and vital text for aircraft flight stability and control or flight dynamics courses.

Exam Board: WJEC Level: GCSE Subject: Science First Teaching: September 2016 First Exam: Summer 2018 Target success in Science with this proven formula for effective, structured revision; key content coverage is combined with exam-style tasks and practical tips to create a revision guide that students can rely on to review, strengthen and test their knowledge. With My Revision Notes, every student can: - Plan and manage a successful revision programme using the topic-by-topic planner - Consolidate subject knowledge by working through clear and focused content coverage - Test understanding and identify areas for improvement with regular 'Now Test Yourself' tasks and answers - Improve exam technique through practice questions, expert tips and examples of typical mistakes to avoid - Get exam ready with extra quick quizzes and answers to the practice questions available online Please note that some of the quizzes from the WJEC GCSE My Revision Notes series are also used in the WJEC GCSE Teaching and Learning resources.

Thinking Skills

Ethics and Philosophy of Mind

Fayz Muhammad's Account of the 1929 Uprising

Kabul Under Siege

The National Curriculum in England (2020 Update)

Elementary Differential Equations and Boundary Value Problems

Let's get hands-on with 50 fun science activities! The best-selling team behind Hands-On Science present 50 more fun DIY science activities. In More Hands-On Science you'll be blown away by interesting experiments, reactions, inventions and coding. It's jam-packed with fast facts and has fascinating quiz questions to test your knowledge! With step-by-step instructions and illustrations, as well as real-world examples, these new activities use easy-to-find materials to help you discover the answers to amazing science questions. More Hands-On Science features topics such as motion, light, sound, chemical reactions, engineering, tech and patterns. Discover how to make a mini-greenhouse, reverse drums, spinning soakers, jelly lenses, rainbow torches, a superhero name generator and much more!

In January 1929, the reigning monarch of Afghanistan, Amir Aman Allah Khan, was driven from his capital by a former soldier turned outlaw. The uprising was a response to the ruler's attempts to modernize the tribal culture of Afghanistan. Kabul was of considerable symbolic importance, and its loss sounded the death knell to the king's power and his reforms. This is an account of the nine-month rule of the outlaw-king, Habib Allah, nicknamed "Son of the Watercarrier," from inside the capital.

Written by curriculum and specification experts, this Student Book supports and extends students through the new linear course while delivering the breadth, depth, and skills needed to succeed in the new A Levels and beyond. It develops true subject knowledge while also developing essential exam skills.

Two of the most powerful tools used to study magnetic materials are inelastic neutron scattering and THz spectroscopy. Because the measured spectra provide a dynamical fingerprint of a magnetic material, those tools enable scientists to unravel the structure of complex magnetic states and to determine the microscopic interactions that produce them. This book discusses the experimental techniques of inelastic neutron scattering and THz spectroscopy and provides the theoretical tools required to analyze their measurements using spin-wave theory. For most materials, this analysis can resolve the microscopic magnetic interactions such as exchange, anisotropy, and Dzyaloshinskii-Moriya interactions. Assuming a background in elementary statistical mechanics and a familiarity with the quantized harmonic oscillator, this book presents a comprehensive review of spin-wave theory and its applications to both inelastic neutron scattering and THz spectroscopy. Spin-wave theory is used to study several model magnetic systems, including non-collinear magnets such as spirals and cycloids that are produced by geometric frustration, competing exchange interactions, or Dzyaloshinskii-Moirya interactions. Several case studies utilizing spin-wave theory to analyze inelastic neutron-scattering and THz spectroscopy measurements are presented. These include both single crystals and powders and both oxides and molecule-based magnets. In addition to sketching the numerical techniques used to fit dynamical spectra based on microscopic models, this book also contains over 70 exercises that can be performed by beginning graduate students.

The British National Bibliography

A Level Further Mathematics for AQA Student Book 1 (AS/Year 1)

The Genesis of the Baha'i Faith in the Nineteenth-century Middle East

PISA Under Examination

Relevant Chemistry Education

Argumentation in Science Education

Philosophy for A2: Unit 3 is the definitive textbook for students of the current AQA Advanced Level syllabus. Structured very closely around the AQA specifications for Unit 3: Key Themes in Philosophy, it introduces the student to each of the core themes: philosophy of mind political philosophy epistemology and metaphysics moral philosophy philosophy of religion. All chapters are helpfully subdivided into short digestible passages, and include: quiz questions to test core knowledge discussion questions to deepen understanding 'going further' sections for advanced study text boxes highlighting key definitions and arguments cross-references to help students make connections lively illustrations, diagrams and a glossary. In addition, a chapter on exam preparation contains a wealth of helpful hints and tips on revision and exam techniques. Written by an experienced philosopher and A Level consultant, Philosophy for A2: Unit 3 is an essential companion for all students of A2 Level philosophy.

"In December, 2009, all Australian governments, through the Council of Australian Governments (COAG), agreed to a partnership to establish a National Quality Framework for Early Childhood Education and Care ('National Quality Framework') for most long day care, preschool/kindergarten, family day care and outside school hours care services in Australia. ... The National Quality Framework aims to raise quality and drive continuous improvement and consistency in education and care services and school age care."--P. 3.

International A/AS-level Science Revision Guides provide exam-focused texts to guide students through the content and skills of the course to prepare them for their AS and A-level exams. - The Introduction provides an overview of the course and how it is assessed, advice on revision and taking the examination papers. - The Content Guidance sections provide a summary of the facts and concepts that you need to know for the examination. - The Experimental Skills & Investigations sections explain the data-handling skills you will need to answer some of the questions in the written papers. It also explains the practical skills that you will need in order to well in the practical examination. - The Questions and Answers sections contain a specimen examination paper for you to try, followed by a set of student's answers for each question

Please note this title is suitable for any student studying: Exam Board: AQA Level: A Level Subject: Chemistry First teaching: September 2015 First exams: June 2017 Fully revised and updated for the new linear qualification, written and checked by curriculum and specification experts, this Student Book supports and extends students through the new course whilst delivering the maths, practical and synoptic skills needed to succeed in the new A Levels and beyond. The book uses clear straightforward explanations to develop real subject knowledge and allow students to link ideas together, while developing essential exam skills.

Key Themes in Philosophy, 2008 AQA Syllabus

Gender and National Memory in Iranian History

Introduction to Analytical Dynamics

Guide to the National Quality Standard

Making Starships and Stargates

From Theory to Practice

Includes bibliographical references and index.

In 1905 Iranian women had been sold to pay taxes or taken as booty in a raid by tribesmen from a village. The narration of this event took all Iran by storm and shortly after the opening of the new parliament in 1906 relatives of these women demanded that parliament punish those responsible. Najmabadi investigates why this incident was so powerful.

The highly-respected book of reference of sought-after Independent Schools in membership of the Independent Schools Council's Associations: HMC, GSA, The Society of Heads, IAPS, ISA and COBIS.

Graduate-level study approaches mathematical foundations of three-dimensional elasticity using modern differential geometry and functional analysis. It presents a classical subject in a modern setting, with examples of newer mathematical contributions. 1983 edition.

The Tudors - England, 1485-1603

My Revision Notes: WJEC GCSE Science Double Award

Philosophy for A2

International AS and A Level Physics Revision Guide

Maths Skills for Physics a Level

Ethics for A-Level

From the 23rd to 26th of November 2009 in La Palma island, in the Canaries, the Comparative Education Society in Europe (CESE) organized an international symposium entitled PISA under Examination: Changing Knowledge, Changing Tests, and Changing Schools. During four days seventeen leading scholars of Europe and America presented their contributions to debate the different problematiques of the remarkable phenomenon represented by the OECD Programme for International Student Assessment or PISA. PISA is not merely an educational event. It is also a media circus which involves the public rehearsal for reasons for failure or success; and even, in some cases, public and political and academic explanations about why 'failure' was not really that, and why 'success' was not really that either. At the centre of all these indications, we find the growing influence of international agencies on education and schooling which is decisively contributing to a marketisation of the field of education, in the context of an increasingly multilevel and fragmented arena for educational governance based on the formulation, the regulation and the transnational coordination and convergence of policies, buttressed at the same time by the diffusion of persuasive discursive practice. Organized in four sections entitled The Comparative Challenges of the OCDE PISA Programme, PISA and School Knowledge, The Assessment of PISA, School Effectiveness and the Socio-cultural Dimension, PISA and the Immigrant Student Question, and Extreme Visions of PISA: Germany and Finland, the contributions of this book offers a comprehensive approach of all these challenging and significant issues written from different and distinct research and academic traditions. Covering A-level Year 2 for the 2015 AQA specification, this Student Book combines the most comprehensive explanation with features that build skills in practical work, maths and evaluation. With a clear path of progress, it prepares students for the demands of A-level and beyond.

*This suite of resources provide a clear two-year framework to help you and your students meet and exceed AQA's mastery goals using content matched to AQA's big ideas and enquiry processes. This title is AQA approved. * Aligned to AQA's big ideas and KS3 syllabus with Student Book Part 1 covering Part 1 of the syllabus and Student Book Part 2 covering Part 2 * Three part progression in lessons encompassing the AQA mastery statements of know, apply and extend * Enquiry processes embedded throughout the course to help your students think and work scientifically * Differentiated 'check your progress' lists for each chapter to help students and teachers measure and make progress in learning * In addition to questions throughout the text, there are questions at the end of each chapter providing assessment benchmarked to the know, apply and extend statements * Ideas you have met before' and 'In this chapter you will find out' provide context and link ideas together for students * 'Know this vocabulary' boxes reflect keywords from the AQA syllabus * Prepares students for the new, more challenging GCSE * Provides the first step in our AQA syllabus support for Secondary Science giving students a clear path of progression * From experienced author team Ed Walsh and Tracey Baxter * Tailored assessment and intervention matching to each chapter available in our 'GCSE Science Ready' course*

Exam Board: AQA Level: GCSE Subject: Physics First Teaching: September 2016 First Exam: June 2018 AQA approved. Apply and develop your students' knowledge and understanding of Physics with this textbook that builds mathematical skills, provides practical assessment guidance and supports all the required practicals. - Provides support for all the required practicals with activities that introduce practical work and other experimental investigations in Physics - Builds understanding and knowledge with a variety of questions to engage and challenge: Test Yourself questions, Show You Can challenges, Chapter review questions and synoptic practice questions - Supports Foundation and Higher tier students in one book, with Higher tier-only content clearly marked - Builds Literacy skills for the new specification with key words highlighted and practice extended answer writing and spelling/vocabulary tests FREE GCSE SCIENCE TEACHER GUIDES These will be provided for free via our website. To request your free copies please email science@hodder.co.uk

A Level Chemistry a for OCR Student Book

Progress in Computing: Key Stage 3

AQA KS3 Science Student Book Part 1 (AQA KS3 Science)

Which Way Now?

AQA GCSE (9-1) Physics Student Book

The Collection of Prince Sadruddin Aga Khan

Reboot your Key Stage 3 classroom with this all-in-one textbook that will inspire you to deliver creative Computing lessons with confidence. We've listened to how you teach Computing at Key

Stage 3 and designed our brand-new toolkit of digital and printed resources around you! Comprising of everything you will need to confidently deliver the National Curriculum in Computing and develop students' ICT skills, Progress in Computing: Key Stage 3 combines lesson plans, presentations, interactive resources, quizzes and assessments with a Student Book. The Progress in Computing digital and print 'toolkit' will be formed of 16 modules that can be used flexibly to suit a teacher's context. Our brand-new digital platform will also give you unparalleled flexibility in terms of choosing your own pathway through the resources, with the bonus of all elements being tagged clearly against the curriculum, our 2 and 3-year Scheme of Work and progression to Key Stage 4 qualifications. Digital resources include: - videos, animations, online self-marking coding challenges and worksheets - teaching and learning support and lesson plans including course planners for centres in England and Wales - a mixture of teacher-led, teacher-facilitated, plugged and unplugged activities - baseline assessment and an end of Key Stage 3 assessment, with auto-marked homework quizzes and end-of-module assessments track progress throughout the course.

Six stories portray a world full of injustice and cruel surprise redeemed by hope and acts of kindness

The AQA A level Lab Books support students in completing the A level Practical requirements. This lab book includes: All the instructions students need to perform the required practicals,

consistent with AQA's requirements and CPAC skills Writing frames for students to record their results and reflect on their work Questions that allow students to consolidate learning and

develop reflective skills in their practical work Apparatus and Techniques (AT) skills self-assessment, so that students can track their progress covering AT practical requirements a full set of answers at the back. This lab book is designed to help students to: Structure their A level lab work to ensure that they cover the required Practical assessment criteria Track their progress in the development of A level practical skills Create a record of all of the practical work they will have completed, in preparation for revision.

Retaining well-loved features, this book covers in breadth issues of change, continuity, and cause and consequence in this period of English history through key questions such as how

effectively did the Tudors develop the powers of the monarchy, and how did English society and economy change.

Practical Work in School Science

Arts of the Islamic Book

AQA Psychology for A Level Year 2 - Student Book

AQA Chemistry: A Level

Modernity and the Millennium

Independent Schools Yearbook 2012-2013

Philosophy for A2 is an engaging textbook for the new AQA A2 Philosophy syllabus. Structured closely around the AQA specification this textbook covers the two units, Ethics and Philosophy of Mind, in a comprehensive and student-friendly way. All of the anthology texts are explained and commented on and woven into the discussion of the syllabus. With chapters on [How to Do Philosophy!] and exam preparation this textbook provides students with the philosophical skills they need to succeed. Each chapter includes: explanation and commentary of the AQA anthology texts comprehension questions to test understanding discussion questions to generate evaluative argument 'going further' sections for advanced study cross-references to help students make connections bullet-point summaries of each topic. The companion website hosts a wealth of further resources, including PowerPoint slides, flashcards, further reading, weblinks and handouts, all structured to accompany the textbook. It can be found at www.routledge.com/cw/alevelphilosophy.

In this UPDATEDedition of the National Curriculum for Englandfor Key Stages 1 and 2, you will find full programmes of study for all 11 original primary subjectsplus three new subjects: Relationships Education; Relationships and Sex Education; and Health Education(to be taught in English schools in September 2020). The National Curriculum for England sets out the framework for the national curriculum at key stages 1 and 2. This statutory guidance includes information about the school curriculum and the national curriculum the aims for the national curriculum statements on inclusion, and on pupils' competence in numeracy and maths, language and literacy across the school programmes of study for KS 1 and 2 for all the subjects that are taught at these key stages.

Practical work has been part of science education for just over 100 years and is accepted as an essential and exciting part of understanding this discipline. Although it can be costly and sometimes messy, it simply has to be done if students and teachers are to progress in their understanding. Schools and universities invest millions of pounds in it and the National Curriculum reveres it - but what exactly is going on in classrooms around the country and how are the leading practitioners moving with the times? This book attempts to reflect on the value and purpose of practical work as part of the scientific curriculum. Why are practical exercises so necessary and what do they contribute to the learning process? The chapters examine many issues such as: * how practical work is perceived by students and teachers * whether we will move on to the 'virtual lab' * the limitations of current 'hands-on' work and valuable alternatives to it * the connections between practical work in science education and 'authentic' science * what role experimentation plays in current educational practice. Jerry Wellington is Reader in Education at Sheffield University, and has taught science at all academic levels.

Educational researchers are bound to see this as a timely work. It brings together the work of leading experts in argumentation in science education. It presents research combining theoretical and empirical perspectives relevant for secondary science classrooms. Since the 1990s, argumentation studies have increased at a rapid pace, from stray papers to a wealth of research exploring ever more sophisticated issues. It is this fact that makes this volume so crucial.

The Science of Interstellar Transport and Absurdly Benign Wormholes

AQA A Level Physics Lab Book

Sutra & Other Stories

Mathematical Foundations of Elasticity

My Revision Notes: AQA GCSE (9-1) Combined Science Trilogy

More Hands-On Science

New 2017 Cambridge A Level Maths and Further Maths resources to help students with learning and revision. Written for the AQA AS/A Level Further Mathematics specifications for first teaching from 2017, this print Student Book covers the compulsory content for AS and the first year of A Level. It balances accessible exposition with a wealth of worked examples, exercises and opportunities to test and consolidate learning, providing a clear and structured pathway for progressing through the course. It is underpinned by a strong pedagogical approach, with an emphasis on skills development and the synoptic nature of the course. Includes answers to aid independent study. This book has entered an AQA approval process. What does pleasure have to do with morality? What role, if any, should intuition have in the formation of moral theory? If something is 'simulated', can it be immoral? This accessible and wide-ranging textbook explores these questions and many more. Key ideas in the fields of normative ethics, metaethics and applied ethics are explained rigorously and systematically, with a vivid writing style that enlivens the topics with energy and wit. Individual theories are discussed in detail in the first part of the book, before these positions are applied to a wide range of contemporary situations including business ethics, sexual ethics, and the acceptability of eating animals. A wealth of real-life examples, set out with depth and care, illuminate the complexities of different ethical approaches while conveying their modern-day relevance. This concise and highly engaging resource is tailored to the Ethics components of AQA Philosophy and OCR Religious Studies, with a clear and practical layout that includes end-of-chapter summaries, key terms, and common mistakes to avoid. It should also be of practical use for those teaching Philosophy as part of the International Baccalaureate. Ethics for A-Level is of particular value to students and teachers, but Fisher and Dimmock's precise and scholarly approach will appeal to anyone seeking a rigorous and lively introduction to the challenging subject of ethics. Tailored to the Ethics components of AQA Philosophy and OCR Religious Studies.

This handbook specifically targets the mathematical elements of A Level Science, whichever specification you're following. Includes plenty of practice questions in different contexts to increase confidence, worked examples and model answers for revision and exam preparation. Plus hints and tips for the exam and how to avoid common errors made in mathematical science questions.

Unlock your students' full potential with these revision guides from our best-selling series My Revision Notes With My Revision Notes your students can: - Manage their own revision with step-by-step support from experienced teachers with examining experience. - Apply scientific terms accurately with the help of definitions and key words. - Prepare for practicals with questions based on practical work. - Focus on the key points from each topic - Plan and pace their revision with the revision planner. - Test understanding with end-of-topic questions and answers. - Get exam ready with last minute quick quizzes available on the Hodder Education Website.

Flight Stability and Automatic Control

The Essential Introduction

A Level Media Studies

The Story of the Daughters of Quchan

A History of Shirvan & Daghestan

Perspectives from Classroom-Based Research

This book is an introduction to Lagrangian and Hamiltonian mechanics primarily for mathematics undergraduates. Although the approach is traditional and coordinate based, it incorporates some of the insights and new perspectives of modern geometric treatments of mechanics. The book is intended for advanced undergraduates or graduate students and assumes familiarity with linear algebra, the chain rule for partial derivatives, and (to a lesser extent) three-dimensional vector mechanics. The aims are to give a confident understanding of the chain of argument that leads from Newton's laws through Lagrange's equations and Hamilton's principle to Hamilton's equations and canonical transformations; to confront head-on the points that mathematicians in particular find most awkward and confusing; to give practice in problem solving; and to elucidate the techniques that will reappear in later courses on relativity and quantum theory.

A Level Media Studies is a comprehensive guide to the subject content of AS and A Level Media Studies, across all examining boards. It is specifically designed to meet the needs of both students and teachers with an accessible writing style, helpful notes on key theories and theorists and a range of learning exercises. The book's overall approach is gradual immersion, assuming no prior knowledge of the subject. Starting with an overview of the discipline, the book moves on to develop increasingly sophisticated ideas whilst repeatedly reinforcing the basic principles of media studies. Each component of media studies is illustrated with practical examples and guided exercises that demonstrate the application of theories and concepts. In addition, numerous case studies offer examples of media studies in practice. Working through these examples, students will acquire the skill set and confidence to tackle the analysis of media products and the discussion of media issues to the standard required at A Level. The focus is on contemporary media, but there is also full acknowledgement of historical precedents, as well as the significance of social, cultural, political and economic contexts. With its clear structure and integrative approach, A Level Media Studies is the ideal introductory resource for students and teachers. The Heavenly Rose-Garden is a fascinating portrait of the Caucasus at the dawn of the modern era. Written in Persian and completed in 1845, it offered the first look at the region by a native son, 'Abbas Qoli Aqa Bakikhanov. It remains the only dedicated history of Shirvan and Daghestan to this day and also contains a great deal of interesting information about the Caucasus in general during the eighteenth and nineteenth centuries. Bakikhanov demonstrates that despite differences in language, religion, and ethnicity, all the peoples of the Caucasus traveled a similar historical road and, to some extent, shared an identity distinct from the Ottoman Turks and Persians of adjacent, larger states. Translated for the first time into English by two eminent historians, The Heavenly Rose-Garden is a mine of information for scholars studying the region and an engrossing read for anyone else. 'Abbas Qoli Aqa Bakikhanov was an Azerbaijani journalist, linguist, poet and philosopher. A scion of the Khan of Baku, he was born there in 1794. From 1820 to 1845 he served as a secretary and translator in the Russian army, which had taken over most of the Caucasus in previous decades. Throughout this time he traveled widely, carried out ethnographic studies and kept his ties with the literary establishment of the Caucasus, centered in Tiflis in present-day Georgia. He died in 1847. Willem Floor has published numerous works of history as well as translations. Among them: Public Health in Qajar Iran; Agriculture in Qajar Iran; The History of Theater in Iran; The Persian Gulf: A Political and Economic History of Five Port Cities; The Persian Gulf: The Rise of the Gulf Arabs; Samuel Gottlieb Gmelin's Travels Through Northern Persia 1770-1774, and his most recent book, A Social History of Sexual Relations in Iran. Hasan Javadi is the author or translator of many books, including Satire in Persian Literature; Persian Literary Influence on English Literature; Forough Farrozkad's Another Birth and Other Poems; and in Persian, European Travelers in Iran. Retired from Cambridge and Berkeley, Dr. Javadi has recently published a translation of the work of Obeyd-e Zakani, Ethics of Aristocrats and other Satirical Stories, and edited Letters from Tabriz by E. G. Browne.

The collection of Prince Sadruddin Aga Khan contains some of the world's finest examples of painting and calligraphy and is perhaps the most important private Muslim collection of Islamic art. This volume, richly illustrated with 24 color plates and 101 black-and-white photographs, provides a brief history of the collection and offers a generous selection of paintings, manuscripts, calligraphies, bindings, and drawings that spans the geographic range of Islamic art from North Africa to India. Detailed discussions of each illustration introduce readers to the major patrons and artists in the development of the arts of the precious book. Anthony Welch and Stuart Cary Welch have selected the most magnificent pages from the prince's collection for this volume. Included are portraits of the great Mughal rulers of India, paintings from the pages of a sixteenth-century Shahnamah (Book of Kings) of Iran, and stunning examples of calligraphy. Among the Muslim manuscripts represented are Qur'ans from North Africa, Ottoman Turkey, Iran, and India; historical works such as the Ottoman illustrated manuscript of the Tuhfat ul-Leta'if; philosophical treatises such as the Ethics of Nasir al-Din Tusi of India; and literary works such as the late-sixteenth-century Anvar-i Suhayli, commissioned and probably illustrated by the leading Safavid Iranian painter Sadiqi Bek. -- Inside jacket flap.

AQA A Level Science – AQA A Level Physics Year 2 Student Book

50 Amazing Kids' Activities from CSIRO

Philosophy for A2: Unit 3

Critical Thinking and Problem Solving

Spin-wave Theory and Its Applications to Neutron Scattering and THz Spectroscopy

The Heavenly Rose-garden

This book is aimed at chemistry teachers, teacher educators, chemistry education researchers, and all those who are interested in increasing the relevance of chemistry teaching and learning as well as students' perception of it. The book consists of 20 chapters. Each chapter focuses on a certain issue related to the relevance of chemistry education. These chapters are based on a recently suggested model of the relevance of science education, encompassing individual, societal, and vocational relevance, its present and future implications, as well as its intrinsic and extrinsic aspects. "Two highly distinguished chemical educators, Ingo Eilks and AviHofstein, have brought together 40 internationally renowned colleagues from 16 countries to offer an authoritative view of chemistry teaching today. Between them, the authors, in 20 chapters, give an exceptional description of the current state of chemical education and signpost the future in both research and in the classroom. There is special emphasis on the many attempts to enthuse students with an understanding of the central science, chemistry, which will be helped by having an appreciation of the role of the science in today's world. Themes which transcend all education such as collaborative work, communication skills, attitudes, inquiry learning and teaching, and problem solving are covered in detail and used in the context of teaching modern chemistry. The book is divided into four parts which describe the individual, the societal, the vocational and economic, and the non-formal dimensions and the editors bring all the disparate leads into a coherent narrative, that will be highly satisfying to experienced and new researchers and to teachers with the daunting task of teaching such an intellectually demanding subject. Just a brief glance at the index and the references will convince anyone interested in chemical education that this book is well worth studying; it is scholarly and readable and has tackled the most important issues in chemical education today and in the foreseeable future." – Professor David Waddington, Emeritus Professor in Chemistry Education, University of York, United Kingdom