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Complete Chemistry Getty Publications
The University Writing Course has been written for prospective and current students of English speaking universities whose first language is not English. It is aimed at the large group of students, undergraduate and post graduate, whose level in English may be at or around level 6 in IELTS or 550 in TOEFL, and who still need to further refine and enhance their academic writing. It can also be used with students who are at slightly lower levels than this. Adopting a general English for academic purposes approach, the units cover a broad range of key functional and textual areas. Each unit includes a range of authentic sample texts, controlled and less controlled writing exercises, and a reference list of useful phrases. A suggested answers section is included.

Gesture-Based Communication in Human-Computer Interaction Oxford University Press, USA
Fully updated and matched to the Cambridge syllabus, this stretching Student Book is trusted by teachers around the world to support advanced understanding and achievement at IGCSE. The popular, stretching approach will help students to reach their full potential. Written by experienced authors, this updated edition is full of engaging content with up-to-date examples to cover all aspects of the Cambridge syllabus. The step-by-step approach will lead students through the course in a logical learning order building knowledge and practical skills with regular questions and practical activities. Extension material will stretch the highest ability students and prepare them to take the next step in their learning. Practice exam questions will consolidate student understanding and prepare them for exam success. You will also receive free access to extra support online, including practice exam questions, revision checklists and advice on how to prepare for an examination.

University Writing Course Oxford
A critical synthesis of the impacts of climate change on birds, examining potential future effects and conservation responses.
Birds and Climate Change OUP Oxford
This volume presents the proceedings of an international symposium organized by the Getty Conservation Institute and the J. Paul Getty Museum. The first conference of its kind in twenty years, the symposium assembled an international group of conservators of painted panels, and gave them the opportunity to discuss their philosophies and share their work methods. Illustrated in color throughout, this volume presents thirty-one papers grouped into four topic areas: Wood Science and Technology, History of Panel-Manufacturing Techniques, History of the Structural Conservation of Panel Paintings, and Current Approaches to the Structural Conservation of Panel Paintings.

Potential Energy Surfaces and Dynamics Calculations Oxford University Press - Children
Fully updated and matched to the Cambridge syllabus, this stretching Student Book is trusted by teachers around the world to support advanced understanding and achievement at IGCSE. The popular, stretching approach will help students to reach their full potential. Written by an experienced author, Stephen Pople, this updated edition is full of engaging content with up-to-date examples to cover all aspects of the Cambridge syllabus. The step-by-step approach will lead students through the course in a logical learning order building knowledge and practical skills with regular questions and practical activities. Extension material will stretch the highest ability students and prepare them to take the next step in their learning. Practice exam questions will consolidate student understanding and prepare them for exam success. Each book is accompanied by free online access to a wealth of extra support for students including practice exam questions, revision checklists and advice on how to prepare for
The Structural Conservation of Panel Paintings Routledge
Engage students with examiner Sue Pemberton's unique, active-learning approach, ideal for EAL students. This new edition is fully aligned to the Extended part of the latest Cambridge IGCSE Mathematics syllabus (0580), for examination from 2020.

Complete Physics Oxford University Press - Children
Understanding Reading revolutionized reading research and theory when the first edition appeared in 1971 and continues to be a leader in the field. In the sixth edition of this classic text, Smith's purpose remains the same: to shed light on fundamental aspects of the complex human act of reading--linguistic, physiological, psychological, and social--and on what is involved in learning to read. The text critically examines current theories, instructional practices, and controversies, covering a wide range of disciplines but always remaining accessible to students and classroom teachers. Careful attention is given to the ideological clash that continues between whole language and direct instruction and currently permeates every aspect of theory and research into reading and reading instruction. To aid readers in making up their own minds, each chapter concludes with a brief statement of "Issues."
Understanding Reading: A Psycholinguistic Analysis of Reading and Learning to Read, Sixth Edition is designed to serve as a handbook for language arts teachers, a college text for basic courses on the psychology of reading, a guide to relevant research on reading, and an introduction to reading as an aspect of thinking and learning. It is matchless in integrating a wide range of topics relative to reading while, at the same time, being highly readable and user-friendly for instructors, students, and practitioners.

Advanced Physics Through Diagrams Oxford University Press, USA
The Complete Biology for Cambridge IGCSE Student Book's stretching approach is trusted by teachers around the world to support advanced understanding and achievement. With plenty of engaging material, practice questions and practical ideas, this updated edition contains everything your students need to succeed in Cambridge IGCSE Biology.
Disciplined Minds Cambridge University Press
The perfect grounding for students intending to take their studies to a more advanced level.Features: Introductory page to each unit to bring out the relevance of the material to everyday life Simple questions at the end of each unit to consolidate learning Helpful revision summary
Cambridge IGCSE® & O Level Essential Biology: Student Book Third Edition Ablex Publishing Corporation
Complete Chemistry is a revised and enlarged edition of the popular GCSE Chemistry improved to bring it totally up-to-date. This book covers all syllabuses with core material, for Double Award, and extension material, for Science: Chemistry. The breadth and depth is sufficient to stretch your students aiming for the top grades and makes it an excellent foundation for those intending to progress to advanced level chemistry. Key Points: · Now includes all the necessary topics for IGCSE · Concepts and principles of chemistry presented in a clear, straightforward style · Lively and colourful coverage of the relevance of chemistry in the real world · End of chapter testing with more challenging and structured questions · Examination style questions · Pagination remains the same as GCSE Chemistry so that the two can be used alongside each

other
Ordinary Level Physics Oxford University Press
Demonstrates how anyone in math, science, and engineering can master DFT calculations Density functional theory (DFT) is one of the most frequently used computational tools for studying and predicting the properties of isolated molecules, bulk solids, and material interfaces, including surfaces. Although the theoretical underpinnings of DFT are quite complicated, this book demonstrates that the basic concepts underlying the calculations are simple enough to be understood by anyone with a background in chemistry, physics, engineering, or mathematics. The authors show how the widespread availability of powerful DFT codes makes it possible for students and researchers to apply this important computational technique to a broad range of fundamental and applied problems. Density Functional Theory: A Practical Introduction offers a concise, easy-to-follow introduction to the key concepts and practical applications of DFT, focusing on plane-wave DFT. The authors have many years of experience introducing DFT to students from a variety of backgrounds. The book therefore offers several features that have proven to be helpful in enabling students to master the subject, including: Problem sets in each chapter that give readers the opportunity to test their knowledge by performing their own calculations Worked examples that demonstrate how DFT calculations are used to solve real-world problems Further readings listed in each chapter enabling readers to investigate specific topics in greater depth This text is written at a level suitable for individuals from a variety of scientific, mathematical, and engineering backgrounds. No previous experience working with DFT calculations is needed.

Advanced Physics Revision Handbook Oxford University Press
The Complete Physics for Cambridge IGCSE & O Level Workbook, part of the rigorous and trusted Complete Science series, supports independent practice both inside and outside the classroom to strengthen students' exam potential.
Science to GCSE Oxford University Press, USA
A computer-based learning aid to help students better understand the concepts and principles covered in the coursebook.
Decision Making in Action Cambridge University Press
Exploring ODEs is a textbook of ordinary differential equations for advanced undergraduates, graduate students, scientists, and engineers. It is unlike other books in this field in that each concept is illustrated numerically via a few lines of Chebfun code. There are about 400 computer-generated figures in all, and Appendix B presents 100 more examples as templates for further exploration.?

Complete Physics for Cambridge IGCSE® Open University Press
The present volume is concerned with two of the central questions of chemical dynamics. What do we know about the energies of interaction of atoms and molecules with each other and with solid surfaces? How can such interaction energies be used to understand and make quantitative predictions about dynamical processes like scattering, energy transfer, and chemical reactions? It is becoming clearly recognized that the computer is leading to rapid progress in answering these questions. The computer allows probing dynamical mechanisms in fine detail and often allows us to answer questions that cannot be addressed with current experimental techniques. As we enter the 1980's, not only are more powerful and faster computers being used, but techniques and methods have been honed to a state where exciting and reliable data are being generated on a variety of systems at an unprecedented pace. The present volume presents a collection of work that illustrates the capabilities and some of the successes of this kind of computer-assisted research. In a 1978 Chemical Society Report, Frey and Walsh pointed out that "it is extremely doubtful if a calculated energy of activation for any unimolecular decomposition can replace an experimental determination." However they also recorded that they "believe[d] that some of the elaborate calculations being performed at present do suggest that we may be approaching a time when a choice between reaction mechanisms will be helped by such [computational] work.

IB Physics Course Book Oxford University Press - Children
The most comprehensive match to the new 2014 Chemistry syllabus, this completely revised edition gives you unrivalled support for the new concept-based approach, the Nature of science. The only DP Chemistry resource that includes support directly from the IB, focused exam practice, TOK links and real-life applications drive achievement.

Complete Physics SIAM
This series builds on the fact that pictures are easier to memorize than words. Each topic is summarized on a single page using annotated diagrams and concise notes with a full index for easy reference. Expert authors have taken the content of the AS and A Level specifications and presented them in a refreshingly clear and concise format.
The Oxford Solid State Basics Pearson
This is a first undergraduate textbook in Solid State Physics or Condensed Matter Physics. While most textbooks on the subject are extremely dry, this book is written to be much more exciting, inspiring, and entertaining.

AS and A Level Physics Through Diagrams Personhood Press
Stephen Pople, one of today's most respected science authors, has created a totally new physics book to prepare students for examinations. Complete Physics covers all syllabuses due to a unique combination of Core Pages and Further Topics. Each chapter contains core material valid for all syllabuses. Further Topics at the end can be selected to provide the right mix of pages for the syllabus you are teaching. Key Points: · Totally new book constructed from an analysis of all GCSE Physics syllabuses including IGCSE, CXC, and O'Level · Sets the traditional principles of physics in a modern and global perspective and uses illustrations with a worldwide context · Extra topics to give a truly rounded curriculum · Double-page spread format · Ideal for those students intending to take physics to a more advanced level

The Cambridge History of Twentieth-Century Music Heinemann Educational Publishers
Information is provided in a manageable format and is reinforced by stimulating questions and activities that encourage students to consider the practical application of science to everyday life. Features: Provides material to stretch even the highest achievers Clearly presented with a straightforward approach Contains stimulating questions and activities to reinforce the topics studied