

## Xtremepapers O Level Chemistry

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.

GCSE Chemistry features relevant up-to-date material, including Internet research activities, photos, diagrams and illustrations in full colour. The revised second edition includes expanded coverage of the development of scientific ideas, as well as further information on topics such as instrumental techniques for identifying elements and compounds, the effects of plate tectonics, colloids and carboxylic acids. There is additional material on the technological applications of chemistry, and questions have been updated.

Chemistry Matters G.C.E. 'O' level workbook, teacher's edition  
Cambridge IGCSE Chemistry Workbook  
Cambridge University Press

The bestselling title, developed by International experts - now updated to offer comprehensive coverage of the core and extended topics in the latest syllabus. - Includes a student's CD-ROM featuring interactive tests and practice for all examination papers - Covers the core and supplement sections of the updated syllabus - Supported by the most comprehensive range of additional material, including Teacher Resources, Laboratory Books, Practice Books and Revision Guides - Written by renowned, expert authors with vast experience of teaching and examining international qualifications We are working with Cambridge International Examinations to gain endorsement.

Full support and guidance for teaching the latest Cambridge IGCSE Additional Mathematics 0606 syllabus for first

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teaching from 2018 and examination from 2020. Save time with homework worksheets and extension worksheets in Word format available for download. Exam Board: Cambridge Assessment International Education First teaching: 2018 First exams: 2020 This resource also covers the Cambridge O Level Additional Mathematics 4037 syllabus. We are working with Cambridge Assessment International Education towards endorsement of this title. \* Start teaching straight away with detailed lesson plans that include clear syllabus references, common mistakes and remediation, useful tips for a fresh approach and guidance around how to deliver activities from the Student's Book.\* Challenge and stretch more able students with extension activity sheets, that provide students with practice at a high level.\* Provide ready-made homework for every lesson with printable and editable homework worksheets available for download.\* Personalise your course with all files available to download in Word format to ensure a perfect fit for your school.\* Check and mark students' work with the answers for the Student's Book exercises and chapter review sections; homework sheets; and extension questions all available for download. IGCSE is the registered trademark of Cambridge Assessment International Education.

This highly respected and valued textbook has been the book of choice for Cambridge IGCSE students since its publication. This new edition, complete with CD-ROM, continues to provide comprehensive, up-to-date coverage of the core and extended curriculum topics specified in the IGCSE Chemistry syllabus. The book is supported by a CD-ROM containing extensive revision and exam practice questions, background information and reference material.

Endorsed by Cambridge Assessment International Education for full syllabus coverage Foster a deeper understanding of theoretical concepts through clear guidance and opportunities

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for self-assessment throughout; covers the entire Cambridge International AS & A Level Chemistry syllabus (9701). - Navigate the different routes through the course with ease with clearly divided sections for AS and A Level. - Focus learning with learning outcomes clearly defined at the beginning of each section - Test knowledge and understanding with past paper and exam-style questions - Address the Key Concepts in the syllabus, which are clearly highlighted throughout the course The Revision and Practice CD included with every Student's Book provides interactive tests, summaries of each topic and advice on examination techniques.

This highly respected and valued textbook has been the book of choice for Cambridge IGCSE students since its publication. This new edition, complete with CD-ROM, continues to provide comprehensive, up-to-date coverage of the core and extended curriculum specified in the IGCSE Physics syllabus, The book is supported by a CD-ROM containing extensive revision and exam practice questions, background information and reference material.

This book aims to cover all the GCSE Physics material needed to meet the specifications of the examining boards Edexcel, AQA, WJEC and OCR (both 21st Century Science and Gateway) both for single and double awards. The content also covers the additional topics necessary for the Physics GCSE single award. It is the third book in the series following 'Biology at a Glance' and 'Chemistry at a Glance' and it encourages learners to use a mind mapping approach to revision. Just like the other books in the series, each page contains clear annotated illustrations that will help the

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reader to assimilate the facts quickly and commit them to memory. The book covers force and energy, energy and its transfer (including waves, electrical and thermal energy), electromagnetism and radioactivity. It goes on to describe a wide range of the practical applications of physics and concludes with material on our place in the universe. To comply with the latest GCSE specifications, 'How Science Works' permeates all aspects of the book which also provides questions on all the topics covered, to reinforce skills and understanding.

This second edition, written especially to support the University of Cambridge International Examinations IGCSE Mathematics (0580) syllabus, is now in full colour and includes a student's CD. The text is ideal for students following the Extended Curriculum. International contexts are used throughout to aid understanding and ensure this text is relevant to students everywhere.

This full-colour title is fully in line with the new separate-subject GCSE physics specifications, including IGCSE. It is appropriate for use throughout the world for GCSE studies. The language level and design have been carefully refined to make the book accessible to students of all abilities. Features to assist preparation for examinations include key topic lists at the start of each chapter, key ideas summaries at the end of each chapter, self-assessment questions throughout the text and sections of longer examination-style questions. A key feature is the extensive use of detailed worked examples that guide students through the concepts, particularly the mathematical ideas. Differentiation is built in via the use of colour-coded extension material for

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higher achievers. In addition, novel contexts are used to illustrate the concepts; students will find this book appealing and accessible

A textbook which covers the IGCSE Chemistry syllabus in straightforward language. Questions are included in each chapter, and there are also multiple-choice and longer questions based on examination papers.

Endorsed by Cambridge International Examinations.

Additional support for the written part of the exam to help students improve their answers and overall grade,

including authentic material written by students with

critical comments from teachers. - Places attention on

the importance of style and content, together with

accuracy and the correct use of different registers -

Explains relevant grammar points in easy-to-understand language, and are supported by exam-related examples

- Illustrates each point by means of an example relevant

to the exam - Contains a database of topic-related vocabulary and ideas Review "With sample examination

questions after each skill, the book would even help

teachers in assessing students after each skill taught... I

highly recommend it." Mrs L Shana, Rainbow Secondary

School, Botswana Also useful for: The clear explanations

and extensive use of examples also make it extremely

useful for students preparing for other advanced exams,

such as First Certificate in English (FCE), Certificate in

Advanced English (CAE) and IGCSE First Language

English. Also available for the complete course: We also

publish a core textbook that provides the most cost-

effective way to teach both the speaking and listening

components of the latest Cambridge syllabus. Search for

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ISBN 9781444191622.

Cambridge O Level Mathematics is a resource to accompany the revised 4024 syllabus. This coursebook provides a complete course for developing and practising the skills required for the O Level Mathematics qualification. The content has been written to offer a range of tasks that support all aspects of the Cambridge O Level Mathematics syllabus (4024) giving students the confidence to use the mathematical techniques required to solve the range of maths problems required. With detailed explanations of concepts, worked examples and exercises, this coursebook can be used as a classroom text and for self-study.

### Environmental Science Class XII

Each topic is treated from the beginning, without assuming prior knowledge. Each chapter starts with an opening section covering an application. These help students to understand the relevance of the topic: they are motivational and they make the text more accessible to the majority of students. Concept Maps have been added, which together with Summaries throughout, aid understanding of main ideas and connections between topics. Margin points highlight key points, making the text more accessible for learning and revision. Checkpoints in each chapter test students' understanding and support their private study. A selection of questions are included at the end of each chapter, many from past examination papers. Suggested answers are provided in the Answers Key.

An investigative approach to Cambridge IGCSE Geography, written in partnership with the Geographical

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Association. Encourage students to make links between case studies and their own local contexts as well as exploring the core themes and skills of the 0460 syllabus in the context of global case studies and processes.

Prepare for exam success with full coverage of the core themes of Paper 1 (Population and Settlement, The Natural Environment, Economic Development and the Use of Resources) as well as the geographical and fieldwork skills elements of Papers 2, 3 and 4. Help students focus on achieving the best grades with excellent exam support for each Paper, with exam-style questions, answers at different levels and accompanying comments. Be confident in the content and approach - this resource is written by highly experienced Geography teachers, consulted edited by a CIE Principal Examiner, and produced in partnership with the UK Geographical Association - the home of best practice in Geography teaching.

Encourage students to reflect on the processes of thinking, as well as practising thinking skills. Thinking Skills encourages students to reflect on the processes of thinking, as well as developing and practising thinking skills. It is divided into two sections: Critical thinking and Problem solving. As well as giving students a thorough grounding in these areas, the authors provide opportunities for students to analyse and evaluate arguments, analyse numerical and graphical information and develop a range of skills.

A range of textbooks and teacher support materials for AS and A level Pre 2008 specification. See Cambridge OCR Advanced Sciences for the New 2008 OCR

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Specification.

This edition of our successful series to support the Cambridge IGCSE Chemistry syllabus (0620) is fully updated for the revised syllabus from first examination from 2016. Written by a team with teaching and examining experience, Cambridge IGCSE Chemistry Coursebook with CD-ROM gives comprehensive and accessible coverage of the syllabus. Suggestions for practical activities are included, designed to help develop the required experimental skills. Exam-style questions at the end of each chapter and a host of revision and practice material on the CD-ROM are designed to help students maximise their chances in their examinations. Answers to the exam-style questions in the Coursebook are provided on the CD-ROM.

The Cambridge IGCSE® Combined and Co-ordinated Sciences series is tailored to the 0653 and 0654 syllabuses for first examination in 2019, and all components of the series are endorsed by Cambridge International Examinations. Cambridge IGCSE® Combined and Co-ordinated Sciences Coursebook is tailored to the 0653 and 0654 syllabuses for first examination in 2019 and is endorsed for full syllabus coverage by Cambridge International Examinations. This interdisciplinary coursebook comprehensively covers the knowledge and skills required in these courses, with the different syllabuses clearly identified. Engaging activities in every chapter help students develop practical and investigative skills while end-of-chapter questions help to track their progress. The accompanying CD-ROM contains self-assessment checklists for making

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drawings, constructing and completing results tables, drawing graphs and designing experiments; answers to all the end-of-chapter questions and auto-marked multiple-choice self tests.

Cambridge O Level Principles of Accounts has been designed specifically to meet the requirements of the Cambridge syllabus. Cambridge O Level Principles of Accounts has been written specifically for the Cambridge O Level Accounting syllabus. Accounting principles and practices have been explained in simple language to enhance the accessibility of the contents to students whose first language is not English. The book reflects the changes in the O Level Principles of Accounts syllabus and applies international accounting terminology.

Written by highly experienced authors, Cambridge IGCSE Chemistry Workbook provides complete support for the IGCSE Chemistry syllabus offered by CIE. This book contains exercises that provide clear progression to students as they go along. A wide variety of questions develop all the skills needed to succeed in the IGCSE Chemistry examination. Simple and clear language makes this book accessible to a range of abilities. This workbook is fully endorsed by CIE and is intended to be used alongside the Cambridge IGCSE Chemistry Coursebook. A Teacher's Resource CD-ROM is also available.

Stress Waves in Non-Elastic Solids is a comprehensive presentation of the principles underlying the propagation of stress waves in non-elastic solids, with emphasis on wave problems in the theory of plasticity. This book exposes wave propagation problems for a range of material responses and justifies the hypotheses introduced in specialized theories and the simplifications made in the analysis of particular problems. Both analytical and numerical methods of solving

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problems are described, and a large number of solutions to specific problems of wave propagation in inelastic solids are given. This book is comprised of six chapters and begins with an overview of the fundamental equations of the dynamics of inelastic media. The dynamical properties of metals and soils are discussed, offering an account of the most representative theories of plasticity and viscoplasticity. The next chapter considers the basic definitions of discontinuity surfaces and the conditions that must to be satisfied across these surfaces. Certain mathematical fundamentals are given, referring to systems of differential equations, quasi-linear and semi-linear, of the first order. Initial and boundary value problems for hyperbolic equations are also formulated. The remaining chapters focus on methods of solving stress wave propagation problems, including one-dimensional plane waves and longitudinal-transverse waves. Wave propagation problems for elastic-plastic and elastic/viscoplastic media are treated in detail, along with the most important problem of shock waves in metals and soils. The last chapter deals with thermal wave propagation problems. This monograph will be a valuable resource for students and practitioners of engineering, physics, and mathematics.

Offers clear, practical support for students for the CIE syllabus The teachers workbook goes alongside the pupil book. Written by an experienced IGCSE teacher and CIE teacher trainer, English as a Second Language offers clear, practical support for students. Endorsed by the University of Cambridge International Examinations for use with the syllabus, It is divided into succinct units based on the skill areas of the IGCSE examination. The units adopt a lively approach to the subject, utilising a diverse range of stimulus material. They also include imaginative and stimulating exercises designed to build confidence and develop the skills needed to succeed in the examination. A students workbook

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is also available.

The bestselling title, developed by International experts - now updated to offer comprehensive coverage of the core and extended topics in the latest syllabus. - Covers the core and supplement sections of the updated syllabus - Supported by the most comprehensive range of additional material, including Teacher Resources, Laboratory Books, Practice Books and Revision Guides - Written by renowned, expert authors with vast experience of teaching and examining international qualifications We are working with Cambridge International Examinations to gain endorsement.

Make best use of your department's specialist skills with this all-in-one textbook from Hodder Education, designed and organized by an experienced Combined and Coordinated Science syllabus teacher. Providing full coverage for the Cambridge IGCSE Combined and Coordinated Science (0653 and 0654) syllabuses, this single textbook approach makes classroom teaching easier by covering the syllabus content for the three Sciences together in one place. It facilitates a coordinated teaching approach across separate classes, with content organized in line with the syllabus for subject specialists, and provides easy and cost-effective transitioning for students moving from a combined course to a coordinated one where they show clear improvement during their course. - Make classroom teaching easier with a single textbook covering the syllabus content for the three Sciences - Use one textbook across separate classes, with content organized in line with the syllabus for subject specialists - Easy and cost-effective transitioning for students moving between the two levels, with all content covered in one place Equip your top achievers to excel in their Cambridge exams with the practice-based, rigorous approach of Complete Additional Mathematics for Cambridge IGCSE. It completely covers the latest Additional Mathematics Cambridge IGCSE &

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O Level syllabus. In addition to a wealth of practice, it includes clear and concise explanations and worked examples, to fully prepare students for top exam achievement and the step up to further study.

We are working with Cambridge Assessment International Education to gain endorsement for this forthcoming title.

This text book has been revised and updated to cover the new syllabuses for GCSE Chemistry introduced after the implementation of the National Curriculum. The book looks into the part chemistry plays in people's lives, in industry and society, explaining principles and problems. Questions on every page and the end of every section help consolidate the learning process. A new activities section has been added to the end of every section as well. The new material is: nitrogen and its compounds, mineral chemistry, sulphur and its components, industrial processes, organic chemistry, the Earth's resources, the Earth and its atmosphere.

The text of Chemistry: IGCSE and O Level is clearly separated into core and extension material, with questions at the end of each section to test understanding. General material includes revision guidance, past-examination questions with answers and a glossary of key terms.

The Cambridge IGCSE Physics Coursebook has been written and developed to provide full support

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for the University of Cambridge International Examinations (CIE) IGCSE Physics syllabus (0625). The book is in full colour and includes a free CD-ROM. Topics are introduced in terms of their relevance to life in the 21st century. The CD-ROM offers a full range of supporting activities for independent learning, with exemplar examination questions and worked answers with commentary. Activity sheets and accompanying notes are also included on the CD-ROM. Written and developed to provide full support for the Cambridge IGCSE Physics syllabus offered by CIE.

This fresh set of resources for Cambridge IGCSE Sociology syllabus 0495 (and Cambridge O Level Sociology syllabus 2251) is carefully crafted to match and support the revised syllabus for first examination in 2016. Written in clear and accessible language, the Coursebook provides comprehensive coverage of the syllabus in a visually-stimulating format. Key sociological research combined with case studies and thought provoking questions help in understanding concepts. Features such as Key terms and Revision checklists further reinforce learning and understanding of core subject areas. Engaging activities help in applying knowledge in various contexts and building interpretation, analytical and evaluation skills. The book provides complete exam support with each chapter culminating in exam-style questions and a further

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chapter dedicated to revision, and examination skills and practice. A Teachers CD-ROM is also available. This title is endorsed by Cambridge Assessment International Education to support the full syllabus for examination from 2023. Written by renowned expert authors, our updated resources enable the learner to effectively navigate through the content of the updated Cambridge IGCSETM Physics (0625/0972) syllabus for examination from 2023. - Develop strong practical skills: practical skills features provide guidance on key experiments, interpreting experimental data, and evaluating results; supported by practical questions for practical examinations or alternatives. - Build mathematical skills: worked examples demonstrate the key mathematical skills in scientific contexts; supported by follow-up questions to put these skills into practice. - Consolidate skills and check understanding: self-assessment questions covering core and supplement exam-style questions and checklists embedded throughout the book, alongside key definitions of technical terms and a glossary. - Navigate the syllabus confidently: core and supplement subject content flagged clearly with introductions to each topic outlining the learning objectives and context. - Deepen and enhance scientific knowledge: going further boxes throughout encourage students to take learning to the next level.

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