Cambridge Igcse Computer Science

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.

Endorsed by Cambridge International Examinations. Develop your students computational thinking and programming skills with complete coverage of the latest syllabus from experienced examiners and teachers. - Follows the order of the syllabus exactly, ensuring complete coverage - Introduces students to self-learning exercises, helping them learn how to use their knowledge in new scenarios Accompanying animation files of the key concepts are available to download for free online. See the Quick Links to the left to access. This book covers the IGCSE (0478), O Level (2210) and US IGCSE entry (0473) syllabuses, which are for first examination 2015. It may also be a useful reference for students taking the new Computer Science AS level course (9608).

Providing guidance that helps students practice and troubleshoot their exam technique,these books send them into their exam with the confidence to aim for the best grades. - Enables students to avoid common misconceptions and mistakes by highlighting them throughout - Builds students' skills constructing and writing answers as they progress through a range of practice questions - Allows students to mark their own responses and easily identify areas for improvement using the answers in the back of the book - Helps students target their revision and focus on important concepts and skills with key objectives at the beginning of every chapter - Ensures that students maximise their time in the exam by including examiner's tops and suggestions on how to approach the questions This title has not been through the Cambridge International Examinations endorsement process.

This title is endorsed by Cambridge Assessment International Education to support the full syllabus for examination from 2021. Develop computational thinking and ensure full coverage of the revised Cambridge Assessment International Education AS & A Level Computer Science syllabus (9618) with this comprehensive Student's Book written by experienced authors and examiners. - Improve understanding with clear explanations, examples, illustrations and diagrams, plus a glossary of key terms - Reinforce learning with a range of activities, exercises, and exam-style questions - Prepare for further study with extension activities that go beyond the requirements of the syllabus and prompt further investigation about new developments in technology - Follow a structured route through the course with in-depth coverage of the full AS & A Level syllabus - Answers are available online www.hoddereducation.co.uk/cambridgeextras Also available in the series Programming skills workbook ISBN: 9781510457683 Student eTextbook ISBN: 9781510457614 Whiteboard eTextbook ISBN: 9781510457621

The Cambridge IGCSE Physics Coursebook has been written and developed to provide full support 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. Illustrated revision and practice. Over 500 marks worth of examination style questions Answers provided for all questions within the book Illustrated topics to improve memory and recall Specification references for every topic Examination tips and techniques Free Python solutions pack Absolute clarity is the aim with a new generation of revision guide for the 2020s. This guide has been expertly compiled and edited by successful former teachers of Computer Science, highly experienced examiners and a good dollop of scientific research into what makes revision most effective. Past examinations questions are essential to good preparation, improving understanding and confidence. This guide has combined revision with tips and more practice questions than you could shake a stick at. All the essential ingredients for getting a grade you can be really proud of. Each specification topic has been referenced and distilled into the key points to make in an examination for top marks. Questions on all topics assessing knowledge, application and analysis are all specifically and carefully devised throughout this book.

This unique and ground-breaking book is the result of 15 years research and synthesises over 800 meta-analyses on the influences on achievement in school-aged students. It builds a story about the power of teachers, feedback, and a model of learning and understanding. The research involves many millions of students and represents the largest ever evidence based research into what actually works in schools to improve learning. Areas covered include the influence of the student, home, school, curricula, teacher, and teaching strategies. A model of teaching and learning is developed based on the notion of visible teaching and visible learning. A major message is that what works best for students is similar to what works best for teachers – an attention to setting challenging learning intentions, being clear about what success means, and an attention to learning strategies for developing conceptual understanding about what teachers and students know and understand. Although the current evidence based fad has turned into a debate about test scores, this book is about using evidence to build and defend a model of teaching and learning. A major contribution is a fascinating benchmark/dashboard for comparing many innovations in teaching and schools.

We are working with Cambridge International Examinations to gain endorsement for this new edition of the worldwide bestselling Student's Book. Now including Brian Sargent in the expert author team, alongside first edition authors Graham Brown and David Watson, this book has been fully revised and updated to cover every part of the latest Cambridge IGCSE ICT (0417) syllabus. - Written by experts, who bring a wealth of theoretical knowledge and practical experience to both the book and the CD - Ensures that students are fully prepared for both the written theory paper as well as the two practical papers - Covers each section of the syllabus with clear explanations and plenty of tasks and activities Every Student's Book includes a CD that contains source files for the tasks and activities.

Consolidate learning and improve Students' confidence with plenty of extra practice questions and activities alongside the Student's Book that follow the contents and chapter order. Suitable for study in class or use at home throughout the course. This title has not been through the Cambridge International endorsement process.

We are working with Cambridge Assessment International Education to gain endorsement for this forthcoming title. Created with teachers and students in schools across the globe, Boost is the next generation in digital learning for schools and colleges, bringing quality content and new technology together in one interactive website. The Teacher's Guide includes a print handbook and a subscription to Boost, where you will find a range of online resources to support your teaching. - Confidently deliver the

revised syllabus with lesson plans, scheme of work, answers for all Student's book activities and full electronic solutions for all programming activities in the Student's Book. - Aid understanding with vocabulary flashcards and audio to aid pronunciation and offer support to ESL learners. - Tackle technical concepts with automated PowerPoint presentations that help students to clearly see the working and logic that underpins problem-solving for these topics.

Build confidence for the latest Cambridge syllabus with the practical, skills-based approach of Complete Computer Science. The Student Book is supported by an extensive Teacher Guide to help you effectively deliver the course. Ensure understanding and strengthen achievement with extensive programming support and practical activities.

This new resource is written to follow the updated IGSCE Computer Science syllabus 0478 with examination in June and November 2016.

With a practical approach and a strong emphasis on problem solving and computational thinking skills, this new revision guide includes all the essential tools to build exam confidence. Closely matched to the Student Book, it is packed with key ideas and practice questions. Written by highlyexperienced authors and examiners, Complete Computer Science helps to deliver the strongest exam results.

Providing guidance that helps students practice and troubleshoot their exam technique, these books send them into their exam with the confidence to aim for the best grades. - Enables students to avoid common misconceptions and mistakes by highlighting them throughout - Builds students' skills constructing and writing answers as they progress through a range of practice questions - Allows students to mark their own responses and easily identify areas for improvement using the answers in the back of the book - Helps students target their revision and focus on important concepts and skills with key objectives at the beginning of every chapter - Ensures that students maximise their time in the exam by including examiner's tops and suggestions on how to approach the questions This title has not been through the Cambridge International Examinations endorsement process.

We are working with Cambridge Assessment International Education to gain endorsement for this forthcoming title. Develop algorithmic and computational thinking and programming skills with further practise questions and activities. This Workbook provides additional support with practical exam-style questions for Cambridge IGCSE(tm) and O Level Computer Science. - Become accomplished computer scientists: the workbook provides a series of questions designed to test and develop computational thinking skills in order to solve problems.

We are working with Cambridge Assessment International Education to gain endorsement for this forthcoming title. Develop understanding of computer systems, the internet and emerging technologies with further practise questions and activities. This Workbook provides additional support for the computer systems question papers for Cambridge IGCSE(tm) and O Level Computer Science. -Become accomplished computer scientists: the workbook provides a series of questions designed to test and develop knowledge of how computer systems and associated technologies work.

This title is endorsed by Cambridge Assessment International Education to support the full syllabus for examination from 2023. Benefit from the knowledge of our renowned expert authors to navigate through the content of the updated Cambridge IGCSETM and O Level Computer Science syllabuses (0478/0984/2210). - Develop computational thinking and problem-solving skills: clearly-explained concepts are followed by opportunities to implement in the programming language of choice. - Build an understanding of computer systems and associated technologies: carefully prepared worked examples explain new ideas alongside activities to test and consolidate. - Navigate the syllabus confidently: supplementary subject content is flagged clearly, with introductions to each topic outlining the learning objectives. - Satisfy curiosity: students are encouraged to deepen their knowledge and understanding of the subject with Extension Activities and Find Out More. - Consolidate skills and check understanding: self-assessment questions, activities and exam-style questions are embedded throughout the book, alongside key definitions of technical terms and a glossary. Answers to the Student Book are available in Cambridge IGCSE and O Level Computer Science Teacher's Guide with Boost Subscription 9781398318502

Absolute clarity is the aim with a new generation of revision guide for the 2020s. This guide has been expertly compiled and edited by successful former teachers of Computer Science, highly experienced examiners and a good dollop of scientific research into what makes revision most effective. Past examinations questions are essential to good preparation, improving understanding and confidence. This guide has combined revision with tips and more practice questions than you could shake a stick at. All the essential ingredients for getting a grade you can be really proud of. Each specification topic has been referenced and distilled into the key points to make in an examination for top marks. Questions on all topics assessing knowledge, application and analysis are all specifically and carefully devised throughout this book.

Written by experienced teachers and examiners of CIE syllabuses in IGCSE Computer Studies (0420), O Level Computer Studies (7010) and IGCSE Information Technology (0418), this book offers valuable, practical support for students. It includes questions and tasks throughout to reinforce learning, and a selection of past-examination questions to help students develop and practise their examination techniques. The authors have also included useful guidance on dealing with coursework tasks and practical assessments.

This resource is written to follow the updated IGSCE® Computer Science syllabus 0478 with examination from June and November 2016. Cambridge IGCSE® and O Level Computer Science Programming Book for Python accompanies the Cambridge IGCSE and O Level Computer Science coursebook, and is suitable for students and teachers wishing to use Python in their studies. It introduces and develops practical skills to guide students in developing coding solutions to the tasks presented in the book. Starting from simple skills and progressing to more complex challenges, this book shows how to approach a coding problem using Structure Diagrams and Flow Charts, explains programming logic using pseudocode, develops Python programming skills and gives full solutions to the tasks set.

Published in the year 1971, The History of Education in Ghana is a valuable contribution to the field of History.

This book constitutes the refereed proceedings of the 15th Conference on Computability in Europe, CiE 2019, held in Durham, UK, in July

2019. The 20 revised full papers presented were carefully reviewed and selected from 35 submissions. In addition, this volume includes 7 invited papers. The conference CiE 2018 had the following six special sessions: computational neuroscience, history and philosophy of computing, lowness notions in computability, probabilistic programming and higher-order computation, smoothed and probabilistic analysis of algorithms, and transnite computations.

Covers the Cambridge IGCSE syllabus (0455) and the Cambridge O Level syllabus (2281), first examination from 2020. This series helps students understand economic theory, terminology and principles. It matches the Cambridge IGCSE and O Level Economics syllabuses. The coursebook helps students apply tools of economic analysis, make judgements on economic issues, use basic economic numeracy and literacy, and take greater part in decision-making processes in everyday life. Sample questions provide opportunities for students to develop their evaluative skills. It provides a foundation for advanced study in Economics such as A Level. Answers to the coursebook and workbook questions are in the teacher's resource.

Cambridge IGCSE Computer Science Revision Guide follows the Cambridge IGCSE (0478) and Cambridge O Level (2210) Computer Science syllabuses, matching the syllabus for examination from 2015. The book instils confidence and thorough understanding of the topics learned by the students as they revise for examinations, and is written in a clear and straightforward tone to assist learning concepts and theories. This revision guide is endorsed by Cambridge International Examinations.

This is a specification book which deals with and explains in detail every single specification point in the 9-1 syllabus for Paper 2.

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.

Cambridge IGCSE Computer ScienceHodder Education

This resource is written to follow the updated IGSCE® Computer Science syllabus 0478 with examination from June and November 2016. This Teacher's Resource CD-ROM goes alongside the Cambridge IGCSE® Computer Science Coursebook and provides support for teachers teaching the Cambridge IGCSE® and O-Level Computer Science syllabuses (0478 and 2210). It contains lesson notes, additional worksheets and homework ideas.

Fully covers the Cambridge IGCSE Computer Studies syllabus (0420), offering valuable practical support for students. Written by experienced teachers and examiners of Cambridge IGCSE Computer Studies, this highly illustrated coursebook covers both the theoretical and applied aspects of the course. It includes self-assessment questions and tasks throughout to reinforce learning. It offers clear learning objectives, chapter summaries and plenty of exam practice. The accompanying Student's CD-ROM provides guidance on study skills, revision and exam technique along with revision tests with answers, and exemplar exam answers. Now available in both print and e-book formats. The e-book includes both the print version and materials from the Student CD-ROM.

This series is for the Cambridge International AS & A Level IT syllabus (9626) for examination from 2019. This coursebook provides a clear and comprehensive guide to assist students as they develop theoretical and practical IT skills. It contains detailed explanations of theoretical and practical concepts and tasks, with worked examples and exercises to consolidate knowledge. Practical tasks are offered throughout the book, with source files on the accompanying CD-ROM, to help students build and develop their practical knowledge.

Agents of Change is a compilation of thought-provoking insights, opinions, personal stories, and suggested actions for change in the K-12 education system in Pakistan.

Help students to develop and apply problem solving and computational thinking skills in context with the practical, step-by-step approach of Complete Computer Science. This comprehensive text supports the latest Cambridge IGCSE (0478) and O Level (2210) syllabuses.Build strong achievement with extensive programming support and plenty of practice exercises that ensure through understanding of trickier topics like number representation, flowcharts, pseudocode and databases. Challenge students who have the potential to excel with plenty of stretching extensionmaterial.Written by highly experienced authors and examiners, Complete Computer Science is also supported by an extensive Teacher Guide, to help you deliver the course effectively.

Cambridge IGCSE Computer Studies Revision Guide is designed to help students prepare for the examination. The book instills confidence and a thorough understanding of the topics learned by the students as they revise for an examination in Computer Studies.

Help students to develop and apply problem solving and computational thinking skills in context with the practical, step-by-step approach of Complete Computer Science. This comprehensive text supports the latest Cambridge IGCSE (0478) & O Level (2210) syllabuses. Build strong achievement with extensive programming support and plenty of practice exercises that ensure through understanding of trickier topics like number representation, flowcharts, pseudocode and databases. Challenge students who have the potential to excel with plenty of stretching extension material. Written by highly experienced authors and examiners, Complete Computer Science is also supported by an extensive Teacher Guide, to help you deliver the course effectively.

This book provides a fresh English translation of a selection of Allama Iqbal's Urdu and Persian poetry in a form that remains faithful to that of the original. It presents a refreshingly enjoyable rendition of some of Iqbal's best poetic writings in a coherent and contemporary idiom, coupled with a conservative but well-wrought form (rhyme and metre). Through this book, readers who are not familiar or well-versed in Urdu and Persian languages are able to get a glimpse into the grandeur and, indeed, the beauty of Iqbal's poetry. It is a commendable addition to the body of writings on Iqbal studies.