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Python Challenge! - Pm Heathcote 2021-04-05
Learn to program fast in 155 challenges, 54 examples and 85 pages This book is a 'gamified' approach to Python, aimed at supporting GCSE and KS3 students, with complete coverage of the GCSE programming requirements. There's no substitute for practice when it comes to learning a new skill! Python syntax is simple to learn, but becoming an expert in writing programs to solve different kinds of problems takes a bit longer. That's why this book has a short explanation of each new statement or technique, followed by one or more examples and then loads of practice challenges. Some of the challenges will take you only a minute or two, using the Python Interactive window to try out new statements and get immediate results. As you get further into the book, you will be challenged to write programs to perform different kinds of tasks - for example to find the results of a calculation, write a program for a simplified cash machine, sort a list of items into alphabetical order, or to record data in a text file to be read, formatted, and printed. The programming solutions to some challenges have been helpfully simplified for an inexperienced programmer to modify rather than to write from scratch. This builds your confidence in problem-solving. That's why 35 challenges consist of partially written programs for you to complete.
OCR GCSE Computer Science (9-1) J277 - S. Robson 2020-03-31
he aim of this book is to provide a comprehensive and accessible text for students, covering Papers 1 and 2 in the latest OCR GCSE J277 Computer Science specification. It will be invaluable as a course text for students throughout the course. It is divided into eight sections, each broken down into manageable chapters of roughly one lesson. Sections 6 and 7 of the textbook cover algorithms and programming fundamentals with a theoretical approach to provide students with experience of writing, tracing and debugging pseudocode solutions without the aid of a computer. These sections would complement practical programming experience. Each of the eight sections cover one of the major topics in this course, and each subtopic contains sample examination questions from past papers, which can be set as homework.
GCSE Computer Science for OCR Student Book - David Waller 2016-04-21
A new series of bespoke, full-coverage resources developed for the 2016 AQA and OCR GCSE Computer Science qualifications. Written for the OCR GCSE Computer Science specification for first teaching from 2016, this print Student Book uses an exciting and engaging approach to help students build their knowledge and master underlying computing principles and concepts. Designed to develop computational thinking, programming and problem-solving skills, this resource includes challenges that build on learning objectives, and real-life examples that demonstrate how computer science relates to everyday life. Remember

features act as revision references for students and key mathematical skills relevant to computer science are highlighted throughout. A digital Cambridge Elevate-enhanced Edition and a free digital Teacher's Resource are also available.

GCSE Latin Anthology for OCR Teacher's Handbook - Peter Mcdonald 2009-07-09

Handbook to accompany the students' anthology of prose and verse extracts with questions, glossaries and end vocabulary to provide motivation and well-supported resource for the Prose and Literature OCR examinations.

GCSE Film Studies for WJEC - Julie Patrick 2008-06

Shows what examiners are looking for in the GCSE coursework and in the exam. This resource provides coverage of the specification so that teachers can deliver the course with confidence and students can approach assessment fully prepared. It includes activities and case studies throughout to engage students with this subject.

Learning to Program in Python - P. M. Heathcote 2017-06-19

Teaches basic syntax and programming techniques and introduces three modules; Tkinter, SQLite, and pdb.

OCR GCSE (9-1) Computer Science: Exam Question Practice Pack - HODDER. EDUCATION 2018-09-28

Cambridge IGCSE Computer Science - David Watson 2015-01-30

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).

GCSE Geography OCR B Student Book - Andy Crampton 2016-01-25

The most student-friendly and engaging resource for the 2016 OCR GCSE Geography B specification. Written to match the demands of the specification, this student book motivates your students with accessible, stimulating content and up-to-date case studies, while retaining a rigorous approach.

AQA GCSE Computer Science (9-1) 8525 - S. Robson 2020-03-31

This book is aimed at GCSE students. It provides comprehensive yet concise coverage of all the topics covered in the new AQA 8525 Computer Science specification, written and presented in a way that is accessible to teenagers. It will be invaluable both as a course text and as a revision guide for students nearing the end of their course. It is divided into nine sections covering every element of the specification. Sections 1, 2A and 2B of the textbook cover algorithms and programming concepts with a theoretical approach to provide students with experience of writing, tracing and debugging pseudocode solutions without the aid of a computer. These sections would complement practical programming experience.

A/AS Level Computer Science for WJEC/Eduqas Student Book - Mark Thomas 2017-10-05

Written for the WJEC/Eduqas A/AS Level Computer Science specifications for first teaching from 2015, this print student book helps students build their knowledge and master underlying computing principles and concepts. The student book develops computational thinking, programming and problem-solving skills. Suitable for all abilities, it puts computing into context and gives students a real-life view on professional applications of computing skills. Answers to end-of-chapter questions are located in the free online teacher's resource. A Cambridge Elevate enhanced edition is also available.

OCR Gcse (9-1) Computer Science - S Robson 2016-06-15

The aim of this book is to provide an accessible text for students, covering each of the elements in the OCR GCSE (9-1) Computer Science specification J276. It will be invaluable both as a course text and in revision for students nearing the end of the course. It is divided into

eight sections, each broken down into manageable chapters of roughly one lesson. Sections 5 and 6 of the textbook cover algorithms and programming concepts with a theoretical approach to provide students with experience of writing, tracing and debugging pseudocode solutions without the aid of a computer. These sections would complement practical programming experience. Each of the eight sections cover one of the major topics in this course, and each subtopic contains sample examination questions from past papers, which can be set as homework.

OCR GCSE (9-1) PE Second Edition - John Honeybourne 2016-08-01
Exam Board: OCR Level: GCSE Subject: PE First Teaching: September 2016 First Exam: June 2018 Inspire, motivate and give confidence to your students with OCR PE for GCSE Second Edition. This reliable and accessible textbook is structured to match the specification exactly and will provide your students with the knowledge they need, while giving them the opportunity to build skills through appropriate activities. We are working in collaboration with OCR to produce this Student's Book. - Key questions to direct thinking and help students focus on the key points - Diagrams to aid understanding - Summaries to aid revision and help weaker students access the main points - Extension questions, stimulus material and suggestions for further reading to stretch, challenge and encourage independent thinking and a deeper understanding - Definition of key terms - again to aid and consolidate understanding of technical vocabulary and concepts - Activities to build conceptual understanding and sound knowledge and understanding, analysis, evaluation and application skills

OCR Gateway GCSE Chemistry Student Book - Nigel Saunders 2016-02-13
These new resources have been written to match the 2016 OCR GCSE Gateway Science (9-1) specifications. Built-in assessment and differentiation supports students of all abilities and makes progress tracking easy. Maths skills and practical skills are developed throughout with ramped practice questions and differentiated learning outcomes.

OCR A Level Computer Science - George Rouse 2015-04-24
Develop confident students with our expert authors: their insight and guidance will ensure a thorough understanding of OCR A Level computer science, with challenging tasks and activities to test essential analytical and problem-solving skills. - Endorsed by OCR for use with the OCR AS and A Level Computer Science specification and written by a trusted and experienced author team, OCR Computer Science for A Level: - Builds students' understanding of the core topics and computing skills required by the course units - Computing Systems, Algorithms and Problem Solving, and Programming Project - with detailed topic coverage, case studies and regular questions to measure understanding - Develops a problem-solving approach based on computational thinking required at both AS and A Level - thought-provoking practice questions at the end of each chapter gives opportunities to probe more deeply into key topics - Incorporates full coverage of the skills and knowledge demanded by the examined units, with exercises to help students understand the assessment objectives and advice and examples to support them through the practical element of the course.

Learning to Program in Visual Basic - Sylvia Langfield 2019-11-25
This book is a straightforward guide to the Visual Basic programming language and programming techniques. It covers all of the practical programming skills that may be required up to GCSE level and for those at AS Level with limited exposure to VB. It is suitable for both experienced programmers, students or individuals with very little or no programming experience in other languages. It teaches basic syntax and programming techniques and introduces a number of useful features such as: Developing graphical user interfaces (GUIs) with the visual designer in visual studio. SQLite, which enables the creation and processing of a database from within a Visual Basic .NET program. This provides an alternative to writing to a text file when data needs to be stored and retrieved. The Visual Studio debugger, which can be used to help find elusive logic errors.

GCSE Graphic Products for OCR - Geoff Hancock 2001
This student book includes: sections devoted to coursework; a summary of key points from each section; and questions and activities to develop the students skills.

My Revision Notes: Cambridge National Level 1/2 Certificate in Information Technologies - Sonia Stuart 2018-03-05
Enhance your students' practical skills and develop their key content knowledge with this proven formula for effective, structured revision. Target success in OCR's Cambridge National Certificate in Information Technologies with this revision guide that brings together exam-style questions, revision tasks and practical tips to help students to review, strengthen and test their knowledge. With My Revision Notes, every student can: · Enjoy an interactive approach to revision, with clear topic summaries that consolidate knowledge and related activities that put the content into context. · Plan and manage a successful revision programme using the topic-by-topic planner. · Build, practice and enhance exam skills by progressing through revision tasks and Test Yourself activities. · Improve exam technique through exam-style questions and sample answers with commentary from an expert author and teacher.
OCR Computer Science for GCSE Student Book - George Rouse 2016-08-15
Exam Board: OCR Level: GCSE Subject: Computer Science First Teaching: September 2016 First Exam: June 2018 Build student confidence and ensure successful progress through GCSE Computer Science. Our expert authors provide insight and guidance to meet the demands of the new OCR specification, with challenging tasks and activities to test the computational skills and knowledge required for success in their exams, and advice for successful completion of the non-examined assessment. - Builds students' knowledge and confidence through detailed topic coverage and explanation of key terms - Develops computational thinking skills with practice exercises and problem-solving tasks - Ensures progression through GCSE with regular assessment questions, that can be developed with supporting Dynamic Learning digital resources - Instils a deeper understanding and awareness of computer science, and its applications and implications in the wider world
OCR Gateway Chemistry for GCSE Combined Science - Nigel Saunders 2016-03-17
These new resources have been written to match the 2016 OCR GCSE Gateway Science (9-1) specifications. Built-in assessment and differentiation supports students of all abilities and makes progress tracking easy. Maths skills and practical skills are developed throughout with ramped practice questions and differentiated learning outcomes.
ClearRevise OCR GCSE Computer Science J277 - Online Pg 2020-05
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.
'A' Level Computing - P. M. Heathcote 2005-04
A textbook for 'A' Level computing organised in modular format for new AQA specification.
OCR Gateway GCSE Physics Student Book - Helen Reynolds 2016-02-13
These new resources have been written to match the 2016 OCR GCSE Gateway Science (9-1) specifications. Built-in assessment and differentiation supports students of all abilities and makes progress tracking easy. Maths skills and practical skills are developed throughout with ramped practice questions and differentiated learning outcomes.
WJEC GCSE Home Economics: Child Development - Kate Ford 2013
The first textbook available that is specifically designed to support WJEC GCSE Child Development, and is endorsed by WJEC. It covers course content in just the right detail in a clear, colourful and highly accessible way. It makes explicit connections between what students learn and how they apply this to the Child Study and the Child Focused Task. The book advises your students on how to structure and shape their coursework. It

provides thorough exam preparation and practice with dedicated exam practice sections with lots of opportunities for practice and reinforcement. //'What will I learn?' Tells students exactly what they need to know in each topic in an accessible and readable style. //Key terms are clearly highlighted and defined on each spread . // Child Study activity helps students apply their knowledge from each topic and use it in their ongoing Child Study. // Child Study and Child Focused Task sections help your students produce their coursework, provide ideas on building the evidence portfolio and writing up the final presentation. // Stretch and challenge activities help stretch the brightest students.// Exam tips help refine exam technique, make improvements and avoid common mistakes. // Check your understanding questions help students check they have understood the key ideas on a topic.

GCSE Computer Science for AQA Student Book - David Waller 2016-06-02

A new series of bespoke, full-coverage resources developed for the 2016 AQA and OCR GCSE Computer Science qualifications. Written for the AQA GCSE Computer Science specification for first teaching from 2016, this print Student Book uses an exciting and engaging approach to help students build their knowledge and master underlying computing principles and concepts. Designed to develop computational thinking, programming and problem-solving skills, this resource includes challenges that build on learning objectives, and real-life examples that demonstrate how computer science relates to everyday life. Remember features act as revision references for students and key mathematical skills relevant to computer science are highlighted throughout. A digital Cambridge Elevate-enhanced Edition and a free digital Teacher's Resource are also available.

Cambridge International AS and A Level Computer Science Coursebook - Sylvia Langfield 2015-12-17

"Cambridge International AS and A Level Computer Science Coursebook delivers an accessible guide to theoretical and practical skills in Computer Science, with a clear progression of tasks that help to consolidate and develop knowledge. Cambridge International AS and A Level Computer Science Coursebook offers students detailed descriptions of the concepts, reinforced with examples that outline complex subject matter in a clear way. Alongside fundamental definitions, higher level programming skills are developed through the explanation of processes and consolidated by practical exam-type questions for students to attempt."-- Publisher description.

Oxford Revise: AQA GCSE Physics Revision and Exam Practice - Helen Reynolds 2020-10-08

Based on principles of cognitive science, this three-step approach to effective revision combines knowledge, retrieval and interleaving, and extensive exam-style practice to help students master knowledge and skills for GCSE success. UK schools save 50% off the RRP! Discount will be automatically applied when you order on your school account.

ClearRevise BTEC Tech Award Digital Information Technology Component 3 - Pg Online 2020-09-15

Illustrated revision and practice. 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 teachers of Digital Information Technology, highly experienced examiners and a good dollop of scientific research into what makes revision most effective.

CCEA GCSE Digital Technology - Siobhan Matthewson 2017-08-25

This title has been written to help ensure students' successful progress through CCEA's GCSE Digital Technology specification. Our expert authors provide insight and guidance for the mandatory Digital Technology unit and each of the Multimedia and Programming optional units, and have incorporated challenging tasks and activities to test essential knowledge and skills required for the examined and controlled assessment units. - Features comprehensive coverage of the examined Digital Technology unit - Builds students' Multimedia and Programming skills and capabilities (depending on their chosen pathway) through clearly focused content and activities to assess understanding and aid progression - Provides students with contexts to apply digital technology skills - Develops problem-solving skills with selected tasks for each pathway - Helps students prepare for success in externally examined and

controlled assessments with opportunities to test and consolidate understanding through each unit

Learning Technologies and Globalization - Nada Dabbagh 2015-10-16

This brief describes the evolutionary and global impact of the techno-social transformation on learning technologies in terms of emerging pedagogical frameworks and applications. it provides examples of such applications in higher education, K-12, and the workplace, across the globe. The transformation and diffusion of ICT into an ever-present and accessible phenomenon is fundamentally shaping human activity and culture, changing human identity, and redefining globalization. Global activities have widened, intensified, and accelerated as a result of ICT integration generating a new awareness of the world as a techno-social environment. This emergent global environment is introducing unprecedented socio-economic opportunities; however, it is also bringing new risks and challenges, particularly as this relates to learning technologies, most especially in higher education contexts.

ClearRevise Edexcel GCSE Computer Science 1CP2 - Pg Online 2020-08-31

Illustrated revision and practice. 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.

AQA a Level Computer Science - Bob Reeves 2015-06-26

AQA A-level Computer Science has been selected for AQA's official approval process. Designed for teaching the AS and A-level specifications from September 2015, this student's book: * Helps build a thorough understanding of the fundamental principles examined in the AQA A Level Computer Science specifications (including programming, algorithms, data structures and representation, systems, databases and networks, uses and consequences) * Provides clear coverage and progression through the AS and A Level specifications, written by a leading computer science author * Prepares students to tackle the various demands of the course, from programming and theoretical assessments to the investigative project at A Level * Helps students develop key skills through frequent coding and exam practice, in order that they can demonstrate and apply their knowledge of the principles of computer science, and design, program and evaluate problem-solving computer systems. Bob Reeves is an experienced teacher and examiner, and well-respected author of resources for Computing and ICT across the curriculum.

GCSE Computer Science for OCR Student Book Updated Edition - David Waller 2020-07-31

Written for the OCR GCSE Computer Science updated specification (J277) for first teaching from 2020. This print student book has been updated and reordered and uses an exciting and engaging approach to help students build their knowledge and master underlying computing principles and concepts. Designed to develop computational thinking, programming and problem-solving skills, this resource includes challenges and real-life examples that demonstrate how computer science relates to everyday life with practice questions. Our new reflection feature will help students to reflect on their progress and see where they could improve. Answers can be found in the teacher's resource.

Edexcel GCSE (9-1) Computer Science - Charles Chris

The Pearson Edexcel GCSE (9-1) Computer Science Student Book will support you through your GCSE in computer science with a scenario-based approach to problem solving and computational thinking. The content is designed to inspire and motivate by helping you to relate and apply your skills to real-world contexts and make learning relevant.

OCR GCSE (9-1) PE Workbook - Sue Young 2021-01-29

Strengthen students' understanding of key OCR GCSE topics and develop the vital skills required to attain the best results possible in the exams, with this expert-written Student Workbook. Written by experienced teachers and examiners, this write-in Student Workbook: - Actively develops knowledge and the ability to recall information with consolidation questions and short topic summaries - Reinforces

understanding and boosts confidence with exam-style practice questions and clear spotlight of the Assessment Objectives - Encourages independent learning as students can use the Workbook at home or in class, throughout the course or for last-minute revision, with answers to tasks and activities supplied online

Python by Example - Nichola Lacey 2019-06-06

A refreshingly different and engaging way of learning how to program using Python. This book includes example code and brief user-friendly explanations, along with 150 progressively trickier challenges. As readers are actively involved in their learning, they quickly master the new skills and gain confidence in creating their own programs.

OCR GCSE Computer Science, Second Edition - George Rouse 2020-08-03

Written by leading Computer Science teachers, this brand-new textbook will guide students through the updated OCR GCSE Computer Science specification topic by topic, and provide them with standalone recap and review sections, worked examples and clear explanations of complex topics. This Student Book:br” develops computational thinking skills in line with the new Practical Programming element of Component 02br” provides differentiated material with the 'beyond the spec' featurebr” includes standalone recap and review sections at the end of each chapterbr” includes answers to the Knowledge Check questions to support independent learningbr” provides definitions of technical terms, along with a glossary of words that will be needed for assessment. Looking for answers for the Student Book? They can be found at the back of the print textbook. You can now access a free set of practice questions on the Hodder Education website. Please note, these questions are not endorsed by OCR and have not been subject to any OCR quality assurance processes. George Rouse, Lorne Pearcey and Gavin Craddock are highly respected and widely published authors of resources.

Wjec Vocational Award Hospitality and Catering Level 1/2 - Anita Tull 2018-09

Written by renowned author Anita Tull and experienced teacher and examiner Alison Palmer, this student book covers both Units of the WJEC Vocational Award in Hospitality and Catering. It is endorsed by WJEC, providing high quality support you can trust. // Suitable for Level 1 and 2 students, the depth of coverage, language and design of the book has been carefully tailored to their learning needs. // Content is presented in a visually engaging fashion, with bite-sized chunks of information together with bulleted lists, charts, tables, spider-grams and more to help ensure students engage with the content in a meaningful way. // Plenty of practical activities together with learning features such as `Put it into Practice' and `Scenarios' help students translate their knowledge and understanding to the world of work. // Short and extended answer style questions throughout help prepare students for assessment. // Stretch and challenge activities encourage students to work towards achieving a higher grade.

Maths Skills for GCSE Computer Science - Alison Page 2019-02

The maths needed to succeed in GCSE Computer Science is harder than ever before. Suitable for all awarding bodies, this practical handbook addresses all of the maths skills needed for the GCSE. Worked examples, practice questions, 'remember points' and 'stretch yourself' questions give students plenty of practice to build their confidence.

OCR GCSE (9-1) Religious Studies - Lorraine Abbott 2017-01-03

Exam Board: OCR Level: GCSE Subject: RS First Teaching: September 2016 First Exam: June 2018 Motivate every student to deepen their understanding and fulfil their potential by following a stimulating, well-paced course through the strengthened content requirements; produced by subject specialists and OCR's Publishing Partner. - Equips students with the detailed knowledge they need to succeed with clear, lively explanations that make key concepts accessible to all ability levels. - Provides opportunities for students to learn, review and develop their knowledge and skills through a variety of engaging activities, discussion points and extension tasks to stretch high achievers. - Ensures that your lessons are both innovative and inclusive, supplying a bank of tasks that draw on best practice teaching methods. - Encourages students to take an active interest in every topic, using relevant news articles, real-life viewpoints and quotations from sacred texts to bring religious principles

and practices to life. - Boosts students' confidence approaching assessment via practice questions and guidance on tackling different question types. - Enables you to teach the systematic study content confidently with comprehensive coverage of Christianity and Islam. OCR GCSE RS Spec Content covered: Christianity - Beliefs and teachings - Practices Islam - Beliefs and teachings - Practices Religion, philosophy and ethics in the modern world from a Christian perspective - Relationships and families - The existence of God - Religion, peace and conflict - Dialogue between religious and non-religious beliefs and attitudes - Covers the short course content.