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## 996 - ELSA ENGLISH

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

Please note this title is suitable for any student studying: Exam Board: AQA Level: A Level Subject: Biology 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 explana-

tions to develop true subject knowledge and allow students to link ideas together while developing essential exam skills.

Everything you need to prepare ahead of your GCSE Geography exams This Geography Revision and Practice Book is designed to support you in the development of good exam techniques. It is packed full of tips and tasks to make sure you really know and understand the key revision points. With loads of practice questions (and answers) for every topic, and written by experienced teachers and revision experts - you can't go wrong! \* Use the free, personalised digital revision planner and get stuck into the quick tests to check your understanding \* Download our

free revision cards which you can save to your phone to help you revise on the go \* Question styles similar to those you will meet in the exam \* Work through lots of practice questions written specifically for the new GCSE 9-1 course \* Challenge yourself with questions designed to get you better grades \* Develop excellent exam technique with exam tips and support to help you when the going gets tough! Do it! Active practice to help you retain key facts Nail it! Examiner tips to help you get better grades Snap it! Read it, snap it on your phone, revise it...helps you retain key facts Stretch it! Support for the really tough stuff that will get you higher grades The perfect companions... Revision and

Practice Books for GCSE 9-1 examinations in English Language and Literature, Biology, Chemistry, Geography, Maths Foundation, Maths Higher, and Physics. \* Active revision to help the knowledge sink in \* Free revision planner and revision cards to help you revise on the go \* Challenge yourself with questions designed to get you better grades

Series Editor: Mark Levesley Pearson's resources are designed to be simple, inclusive and inspiring and to support students in studying for Edexcel GCSE (9-1) Physics.

"Written specifically for Edexcel's new IGCSE Physics (from 2009) qualification in a clear and engaging style that students will find easy to understand. This book includes a wide range of activities and exercises for self-study, as well as examination style questions and summaries to aid revision."--Publisher's description.

An exact match to AQA which includes personalised learning activities enable students to review what they have learnt and advice from examiners on common pitfalls and how to avoid them.

This exam practice workbook offers targeted prac-

tice for the 10 AQA GCSE Physics Required Practicals. A variety of exam-style questions, expert hints on tackling the practicals questions, and tips on applying the skills to different contexts offer the best preparation for the 15% practicals requirement of GCSE Physics.

This resource is written to follow the updated Cambridge IGCSE® 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.

KS3 Maths Complete

Study & Practice (with online edition)

A new series of full-coverage resources developed for the AQA 2016 A/AS Level Geography specification. This full-colour Student Book covers all core and optional units for the AQA AS and A Level Geography specification for first teaching from September 2016. Students are encouraged to develop links between physical and human topics, understand systems, processes, and acquire geographical skills. Helping to bridge the gap from GCSE to A Level, it also provides support for field-work skills and for the geographical investigation at A Level. A 'Maths for geographers' feature helps students develop and apply their mathematical and statistical skills, and a range of assessment-style questions support students in developing their exam skills.

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 Success Revision

Guide offers accessible content to help students manage their revision and prepare for the exam efficiently. The content is broken into manageable sections and advice is offered to help build students' confidence. Exam tips and techniques are provided to support students throughout the revision process.

We have had lots of students contacting us to say how useful they've found this series of revision guides. So why have they found them so valuable? Students know just what they need to revise for each exam because each guide matches the specification exactly. Information is presented in a straightforward, user-friendly way. Content is organised into double-page spreads to make revision more manageable. Short questions at the end of each section really make students stop and think about the topic. Tips on common pitfalls and advice on how to tackle different types of exam question and exam preparation. Practice exam-style questions are included at the end of each module. The answers to all questions are in the back of the books, so students can work on their own.

Confidently teach the new

specifications with this Teacher Support Guide that helps you through the new specification with simple lessons plans, guidance on linear teaching and the changes to practical assessment, numeracy and literacy support and advice for nonspecialist teachers. - Supports the literacy and mathematical demands of the new GCSEs with specific sections on engaging with numeracy and literacy. - Offers guidance on effective revision techniques to help consistently grow and develop independent learners. - Reduces your planning time with simple lesson plans for each topic. - Helps cater for students of varying abilities with guidance on using differentiated approaches to respond to differing student needs. - Includes a complete guide to Dynamic Learning resources - for easy lesson preparation  
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](mailto:science@hodder.co.uk) 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.

The second edition of this

popular student textbook presents an up-to-date and comprehensive introduction to the process and practice of teaching and learning science in the secondary school.

This workbook offers accessible practice to help manage GCSE Maths revision and prepare for the exam efficiently. The content is broken into manageable sections and advice is given to help build confidence. Tips and techniques provide support throughout the revision process.

A knowledge of atomic theory should be an essential part of every physicist's and chemist's toolkit. This book provides an introduction to the basic ideas that govern our understanding of microscopic matter, and the essential features of atomic structure and spectra are presented in a direct and easily accessible manner. Semi-classical ideas are reviewed and an introduction to the quantum mechanics of one and two electron systems and their interaction with external electromagnetic fields is featured. Multi-electron atoms are also introduced, and the key methods for calculating their properties reviewed. At the time of writing Tim Prichard has nearly 30

years' experience as a science teacher in several schools both in the UK and abroad, covering the entire age and ability range, including A level Physics and Chemistry. The author has found students revise and consolidate their knowledge best if they have access to a wide variety of worked examples to study from. *Physics by Example* is based upon this concept with each topic having a short introduction followed by around ten example questions. Each question has a full "step by step", easy to follow solution, including hints and tips to help the student understand the methodology for each question. At the end of each section there is a self testing exercise with answers to help the students consolidate their knowledge. *Prichard Guides* work best if they are used in conjunction with the student's own notes to support their own learning. These guides provide a huge resource of model questions and answers which have been tried and tested in classrooms across the UK and abroad, as they have been the basis of the author's lessons for nearly three decades, have been very successful and are

still being used in lessons today.

GCSE Physics AQA Workbook incl Answers - Higher Owen Bishop's First Course starts with the basics of electricity and component types, and introduces students to practical work almost straight-away. No prior knowledge of electronics is assumed. The approach is student centred with Self-Test features to check understanding, and numerous Activities suitable for practicals, homework and other assignments. New Multiple Choice Questions are incorporated throughout the text to aid student learning. Key facts, formulae and definitions are highlighted to aid revision, and theory is backed up by numerous examples within the book. Each chapter ends with a set of problems which includes exam-style questions with numerical answers provided. This text is ideal for a wide range of introductory courses in electronics, technology, physics and engineering. The coverage has been carefully matched to the latest UK syllabuses including GCSE Electronics, GCSE Design & Technology, Engineering GCSE and City & Guilds competence-based courses such as Level 2

NVQs. The second edition now has additional applicability to BTEC First Electronics from Edexcel with coverage of fundamental topics required by students of this qualification, as well as other essential new topics that reflect recent technological developments. The result is a text that meets the needs of students on all Level 2 electronics units and courses, with a broad coverage that will be of direct relevance to any reader commencing study of this subject, or more advanced readers requiring a handy revision guide. New material for the second edition includes: kinetic energy; temperature and resistance; sawtooth waveform; fundamentals of digital communication and data transmission; industrial processes; cells and batteries; wind and solar power; CDs, DVDs, mobile phones; and the latest LED technology. Owen Bishop's talent for introducing the world of electronics has long been a proven fact with his textbooks, professional introductions and popular circuit construction guides being chosen by thousands of students, lecturers and electronics enthusiasts. Companion website A new companion website features animated circuit

diagrams to indicate the flow of current, calculators to help with elementary electronic design project work, answers to revision questions and multiple-choice questions in the book, as well as essential circuit diagrams and illustrations from the text made available as PowerPoint slides for lecturers to use in presentations and handouts. <http://books.elsevier.com/companions/0750669608> A new series of bespoke, full-coverage resources developed for the 2015 GCSE English qualifications. Approved for the AQA 2015 GCSE English Literature specification, this print Student Book is designed to help students develop whole text understanding and written response skills for their closed-book exam. The resource provides scene-by-scene coverage of Priestley's play as well as a synoptic overview of the text and its themes. Short, memorable quotations and striking images throughout the book aid learning, while in-depth exam preparation includes practice questions and sample responses. See also our An Inspector Calls print and digital pack, which comprises the print Student Book, the enhanced digital edition and a free

Teacher's Resource. Assuming no prior knowledge and focusing on the basics, 'Physics' offers a clear and accessible introduction to the core aspects of the subject. The latest edition includes a new chapter on Rotational Dynamics, and introduces students to recent advances in the field at relevant points throughout the book.

Covers the content of the AQA Additional Science GCSE specification. GCSE Chemistry AQA Workbook incl Answers - Higher  
Exam Board: AQA Level & Subject: GCSE Physics  
First teaching: September 2016  
First exams: June 2018  
AQA approved Collins AQA GCSE (9-1) Physics Student Book revised edition has been approved by AQA. GCSE Science is changing and AQA GCSE (9-1) Physics from Collins has been developed to embed the skills your students need to succeed in all three assessment objectives, while providing a clear and supportive route through the new, more challenging GCSE content. \* Each spread starts with language and ideas at a lower level and increases in complexity, engaging students of all ability levels \*

Key concept spreads highlight knowledge that students must grasp before they can move on \* Dedicated pages on analysing, interpreting and evaluating all the required practicals, so students are fully prepared for the indirect assessment. \* Maths activities at the appropriate level are embedded throughout, along with Maths skills pages that focus on developing the skills needed for each topic \* Prepare students for the demands of the new specification with differentiated questions, worked examples and lots of opportunities to practice \* Co-teach both Foundation and Higher tier with a single book (the Higher-only content is clearly flagged).

Specifically tailored for the new 2016 AQA GCSE Science (9-1) specifications, this third edition supports your students on their journey from Key Stage 3 and through to success in the new linear GCSE qualifications. This series help students and teachers monitor progress, while supporting the increased demand, maths, and new practical requirements.

Part of the AQA GCSE Physical Education series, the Workbook and Worksheet Resource Pack pro-

vides a coherent set of fully differentiated worksheets to help your students organise their learning, which you can dip in and out of if you require more flexibility.

Build essential maths, literacy and working scientifically skills to boost marks in GCSE Biology and ensure that students reach their full potential. Suitable for all specifications, this skills book provides additional support and will help to:

- Sharpen mathematical skills with plenty of practice questions and coverage of all the maths techniques needed for the exams.
- Improve literacy skills with tips on how to write longer answers, plus peer-assessment marking activities.
- Develop the working scientifically skills needed to plan, carry out and evaluate practical experiments, in order to secure the maximum number of marks.
- Build confidence by putting skills into practice; using our three-step formula students will progress from worked examples to guided questions and exam-style questions, with fully-worked solutions in the book.
- Raise performance in the exams with practical advice on how to revise effectively and tips on understanding the questions, command

words and assessment objectives.

With Revision Workbooks for question practice and Revision Guides for classroom and independent study, our revision resources are the smart choice for those revising for AQA GCSE Science.

This Foundation Workbook is designed to support the development of key literacy and numeracy skills of students in the 1-4 grade range, as well as building confidence in answering open response questions. The amount of scaffolded support decreases throughout the workbook to encourage independent learning.

- Summarises all the Foundation content to be learned for each topic
- Provides plenty of practice questions
- Builds confidence by showing how to answer questions or work through calculations
- Helps students to improve their answers by focusing on use of key scientific vocabulary, how to link key concepts, and work with graphs

Each topic opens with a bulleted summary of the key ideas, reminding students of the key scientific vocabulary and equations they should be able to recall. The questions begin with confidence-building, low demand questions (multiple choice, matching, sen-

tence completion or closed short answer) leading to more open questions including calculations as part of structured questions. The questions include applying and analysing as well as recall, for example bringing in skills used in analysing results from practical work. Frequent support notes provide hints and tips on key vocabulary, how to answer open response questions (for example by writing causal

explanations), strategies for decoding questions (for example by identifying key words in the question) and how to interpret information from tables and graphs. 'Show me' writing frames demonstrate how to build longer answers, how to work with equations in science and how to convert units. In later pages the level of scaffolding is gradually reduced by removing the guided support so that students are supported in be-

coming independent learners throughout their GCSE course.

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.