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Candidate surname					Other names				
Centre Number					Candidate Number				

Pearson Edexcel International GCSE (9–1)

Time 2 hours

Paper reference **4PH1/1P 4SD0/1P**

Physics

UNIT: 4PH1

Science (Double Award) 4SD0

PAPER: 1P

You must have:
Ruler, calculator, protractor

Total Marks

Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided
– there may be more space than you need.
- Show all the steps in any calculations and state the units.

Information

- The total mark for this paper is 110.
- The marks for **each** question are shown in brackets
– use this as a guide as to how much time to spend on each question.

Advice

- Read each question carefully before you start to answer it.
- Write your answers neatly and in good English.
- Try to answer every question.
- Check your answers if you have time at the end.

Turn over ➞



Edexcel Gcse Physics Past Papers March 23

Christian G. Meyer



Edexcel Gcse Physics Past Papers March 23:

The Art of Uncertainty David Spiegelhalter, 2025-03-04 Named a Best Book of the Year by Forbes and The Economist From our greatest living statistical communicator Tim Harford comes an invaluable data driven guide for understanding and learning to embrace risk and uncertainty in our daily lives How dangerous is our diet How much of sports falls into the realm of luck When authorities categorize a given event as highly likely how likely is that really Whether we re trying to decide if the benefits of a new medication are worth the chance of side effects or if artificial intelligence truly threatens humanity our lives are riddled with uncertainties both everyday and existential yet it can be difficult to know how to properly weigh all those unknowns Luckily for us renowned statistician David Spiegelhalter has spent his career dissecting data to resolve the apparently random and decode the many decisions we face with imperfect information In *The Art of Uncertainty* he shows how we can become better at dealing with what we don t know to make smarter choices in a world so full of puzzling variables In lucid lively prose Spiegelhalter guides us through the principles of probability illustrating how they can help us think more analytically about everything from medical advice to sports to climate change forecasts He demonstrates how taking a mathematical approach to phenomena we might otherwise attribute to fate or luck can help us sort hidden patterns from mere coincidences better evaluate cause and effect and predict what s likely to happen in the future Along the way we learn how a misinterpretation of a probability contributed to the infamous Bay of Pigs fiasco why a ship twice the size of the Titanic sank without a trace and why we can be so confident that no two properly shuffled decks of cards have ever been in the same order Sparkling with wit and fascinating real world examples this is an essential guide to navigating uncertainty while also retaining the humility to admit what we don t or simply cannot know **Nelson Modular Science** Paul Collison, David Kirkby, Averil MacDonald, 2002 There are two students Books They are divided into Single and Double Award modules Book 1 6 Single Award plus 1 coursework module Book 2 6 Double Award modules These are full colour textbooks written in an accessible format to fully support the Edexcel modular specifications Each model is covered in self contained units A chapter is fully devoted to Sc1 Investigation Skills with graded exemplar material offering examiners advice along with exercises to improve students skills and enhance understanding of investigative work Key Skill opportunities are clearly outlined with weblinks Ideas and evidence in science are fully covered A number of examination questions and short questions for homework and self testing are included to aid students understanding *The Times Index*, 2012 Indexes the Times Sunday times and magazine Times literary supplement Times educational supplement Times educational supplement Scotland and the Times higher education supplement **Revise GCSE History** Alan Scadding, Colin Shephard, 2005 New editions of the bestselling Revise GCSE Study Guides with a fresh new look and updated content in line with curriculum changes Revise GCSE contains everything students need to achieve the GCSE grade they want Each title has been written by a GCSE examiner to help boost students learning and focus their revision Each title provides complete curriculum coverage

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The British National Bibliography Arthur James Wells, 2009 *GCSE Physics Edexcel Practice Papers - Higher* Richard Parsons, 2007-09-18 *GCSE Physics Edexcel Practice Papers Higher New Grade 9-1 GCSE Physics: Edexcel Exam Practice Workbook* CGP Books, 2016-05-09

GCSE Physics Richard Parsons, 2011 [New GCSE Physics](#) Sarah Mansel, 2013-09-16 This Collins all in one revision guide and exam practice workbook for GCSE physics shows what each student needs to do to move up a grade with lots of practice questions to support progression *Edexcel Certificate/International GCSE Physics* Jane Ellingham, 2013 *Edexcel International GCSE Physics: Revision Guide* Sue Gardner, 2013-10-21

Straight to the point revision and practice with no distractions this revision guide helps prepare students for the Edexcel International GCSE Physics exam Including plenty of practice questions covering all the different question formats this Physics revision guide provides invaluable exam preparation You can use this book in conjunction with the Collins Edexcel IGCSE revision guide to prepare with confidence Included in this book clear and concise coverage of the exam assessed content simple and engaging explanations highlighted key words a supporting glossary to build vocabulary lots of quick tests and practice questions to check understanding

9-1 GCSE Physics Edexcel Revision Question Cards CGP Books, 2019-02-13 *Edexcel Physics Student Guide 1* Mike Benn, 2015-10-30 Reinforce students understanding throughout their course clear topic summaries with sample questions and answers will improve exam technique to achieve higher grades Written by examiners and teachers Student Guides Help students identify what they need to know with a concise summary of the paper examined in the AS and A level specification Consolidate understanding with exam tips and knowledge check questions Provide opportunities to improve exam technique with sample graded answers to exam style questions Develop independent learning and research skills Provide the content for generating individual revision notes

Pearson Revise Edexcel GCSE (9-1) Physics Foundation Revision Workbook: For 2024 and 2025 Assessments and Exams (Revise Edexcel GCSE Science 16) Catherine Wilson, 2017-06-02 Our Revision Workbooks are designed to help students develop vital skills throughout the course in preparation for the exam with one to one page match with the revision guide so students can find the practice they need quickly and easily putting it into practice pages correspond to the Revision Guide pages with exam style questions and text references loads of practice questions in the style of the new exams with their own set of accompanying texts guided support and hints provide additional scaffolding and help students avoid common pitfalls full set of practice papers written to match the new specification exactly [GCSE Edexcel Physics](#) , **Gcse Physics Edexcel Revision Guide** CGP Books, Richard Parsons, 2011-06-01 *GCSE Physics Edexcel Revision Guide* with online edition *GCSE Physics* Keith Palfreyman, 1999 Homework is a fact of life for all students but it needn't be a struggle Longman Homework Handbooks are set out in an easy to use alphabetical style and include useful cross references and self

check exercises throughout Concentrates on popular homework topics and those areas where pupils often have most difficulty **GCSE Physics** ,2021 Exam Insights for GCSE Physics Ayd Instone,2020-09-25 **Edexcel GCSE Physics** ,2006

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