

Other suggested resources

Cambridge Pre-U Physics (9792)

As well as providing endorsed resources for this syllabus, here we have listed other suggested resources. These suggested resources have not been through the Cambridge quality assurance process but have been found suitable for use with various parts of the syllabus.

This resource list includes website links providing direct access to internet resources. Cambridge is not responsible for the accuracy or content of information contained in these websites. The inclusion of a link to an external website should not be understood to be an endorsement of that website or the site's owners (or their products/services).

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Books

Title	Collins Advanced Science - Physics
Description	Particularly useful for more able learners, this book includes 'How Science Works' feature boxes, Stretch and Challenge boxes and Science in Context boxes which encourage learners to relate their learning to the world around them. There are summaries at the end of every chapter. 'Test Yourself' questions throughout the text enable learners to monitor their own progress in preparation for exams. There is also a companion website which is free to book users providing extra resources.
Author	Dobson, K et al
Publisher	Collins
ISBN	9780007267491
Published date	2008
Edition	3
EBook available?	

Title	Physics Review
Description	A series of student-friendly magazines containing articles directly linked to the A level Physics syllabus. Also contains hints and tips on how to answer exam questions in order to improve student achievement.
Author	Various
Publisher	Phillip Allan Magazines
ISBN	9781471857294
Published date	2016
Edition	
EBook available?	Yes

Title	Cambridge International AS and A Level Physics
Description	Covers the entire syllabus for AS and A Level Physics using language suitable for international students. Contains practice exam questions.
Author	Crundell, M et al
Publisher	Hodder Education
ISBN	9781471809217
Published date	2014
Edition	2
EBook available?	Yes

Title	Advanced Physics
Description	Provides full coverage of the specification and stretches more able students. Includes a new chapter on cosmology and astrophysics; and updated exam questions from recent past papers.
Author	Duncan, T
Publisher	Hodder Education
ISBN	9780719576690
Published date	2000
Edition	5
EBook available?	

Title	Advanced Level Practical Work for Physics
Description	This book supports the practical element of AS and A-level specifications and is suitable for A-level physics students of all abilities. Helpful guidance on every aspect of practical investigation is provided throughout, alongside clear diagrams and a large range of questions
Author	Crundell, M & Mee, C
Publisher	Hodder Education
ISBN	9780340782453
Published date	2001
Edition	1
EBook available?	

Title	Calculations for A Level Physics
Description	Helps students with essential maths skills required in Physics. Lots of worked examples and clear notes.
Author	Lowe, T L & Rounce, J
Publisher	Nelson Thornes
ISBN	9780748767489
Published date	2002
Edition	4
EBook available?	

Title	Particle Physics, Dark Matter and Dark Energy ***
Description	Providing detailed information for teachers and more able students, this introduction to particle physics is aimed at Physics undergraduates.
Author	Chapple, D
Publisher	Abramis
ISBN	9781845494773
Published date	2011
Edition	1
EBook available?	

Title	Six Easy Pieces: Essentials of Physics Explained by its Most Brilliant Teacher
Description	The six easiest chapters from Feynman's landmark work, Lectures on Physics is accessible to students of all abilities.
Author	Feynman, R
Publisher	Basic Books
ISBN	9780465025275
Published date	2011
Edition	4
EBook available?	

Title	New A Level Physics: Essential Maths Skills
Description	Easy to follow and well laid-out, this covers all of the maths skills needed for A Level Physics.
Author	CGP Books
Publisher	Coordination Group Publications Ltd
ISBN	9781782944713
Published date	2015
Edition	1
EBook available?	

Title	Maths Skills for A Level Physics
Description	Suitable for all specifications, this handbook specifically targets the mathematical elements of the A Level Physics specifications. Plenty of practice questions in different contexts to increase confidence.
Author	Tear, C
Publisher	Nelson Thornes
ISBN	9781408521205
Published date	2013
Edition	2
EBook available?	

Title	Friday Afternoon Physics A Level Resource Pack + CD
Description	This resource pack provides a range of fun and engaging revision activities, allowing students to apply their knowledge using a variety of learning styles, and to reinforce their understanding of key subject areas.
Author	Yems, I
Publisher	Philip Allan for Hodder Education
ISBN	9780340967973
Published date	2008
Edition	1
EBook available?	

Title	Essential Maths Skills for AS/A Level Physics
Description	This book helps students develop an understanding of both maths and physics with all worked examples and questions within a physics context. It helps improve student confidence with a step-by-step approach to every maths skill. Guided and non-guided questions and understanding misconceptions with full worked solutions to every question
Author	Lovat, I
Publisher	Philip Allan for Hodder Education
ISBN	9781471863431
Published date	2016
Edition	1
EBook available?	

Title	Professor Povey's Perplexing Problems: Pre-University Physics and Maths Puzzles with Solutions
Description	An excellent teacher resource, this is a light-hearted approach to inspiring curiosity and engagement in pre-university Physics.
Author	Povey, T
Publisher	Oneworld Publications
ISBN	9781780747750
Published date	2015
Edition	1
EBook available?	

Title	Paradox: The Nine Greatest Enigmas in Physics
Description	Schrödinger's Cat and the Grandfather Paradox are just two of the paradoxes presented in this book in a stimulating and engaging way. Addresses some of the material in the syllabus. Suitable for more able students.
Author	Al-Khalili, J
Publisher	Black Swan
ISBN	978-0552778060
Published date	2013
Edition	1
EBook available?	

Title	Seven Brief Lessons in Physics
Description	Everything you need to know about modern physics, the universe and our place in the world in seven enlightening lessons. For teachers and more able students.
Author	Rovelli, C
Publisher	Penguin
ISBN	9780141981727
Published date	2016
Edition	1
EBook available?	

Title	50 Physics Ideas You Really Need to Know
Description	A series of 50 clear and concise essays covering the discovery, significance and functioning of the laws, principles and theories that govern the workings of the universe.
Author	Baker, J
Publisher	Quercus Publishing
ISBN	9781848667068
Published date	2014
Edition	1
EBook available?	

Title	Cambridge International AS and A Level Physics Workbook with CD-ROM
Description	Supports students in honing the essential skills of handling data, evaluating information and problem solving through a varied selection of relevant and engaging exercises and exam-style questions.
Author	Sang, D & Jones, G
Publisher	Cambridge University Press
ISBN	9781107589483
Published date	2016
Edition	2
EBook available?	

Title	Cambridge International AS and A Level Physics Coursebook with CD-ROM
Description	Written in an accessible style with international learners in mind, this easy to navigate text has colour-coded sections to differentiate between AS and A Level content. Self-assessment questions allow learners to track their progression and exam-style questions help learners to prepare thoroughly for their examinations. Contemporary contexts are discussed throughout enhancing the relevance and interest for learners.
Author	Sang, D et al
Publisher	Cambridge University Press
ISBN	9781107697690
Published date	2014
Edition	2
EBook available?	

Title	Practical Physics
Description	Practical Physics is intended as a companion to any undergraduate course of practical work. The text is in three parts. The first deals with the statistical treatment of data, the second with experimental methods, and the third with such essential matters as keeping efficient records, accuracy in calculations, and scientific writing.
Author	Squires, G L
Publisher	Cambridge University Press
ISBN	9780521779401
Published date	2008
Edition	4
EBook available?	

Title	How Science Works: AS/A2 Physics
Description	50 activities that integrate 'How Science Works' into lessons. Includes a CD of activities.
Author	Baker, P & Ireson, G
Publisher	Badger Publishing
ISBN	9781849261012
Published date	2010
Edition	1
EBook available?	

Title	AS and A Level Physics: Key Skills and Knowledge Booster
Description	50 activities that support students in the transition to advanced level Physics. A range of resources (including a CD) to help address students' common misconceptions.
Author	Senior, S
Publisher	Badger Publishing
ISBN	9781849266666
Published date	2012
Edition	1
EBook available?	

Title	Physics: The Ultimate Adventure (Undergraduate Lecture Notes in Physics)
Description	Suitable for more able students, this book explains - in simple terms and with almost no mathematics - the physics behind recent and glamorous discoveries in Cosmology, Quantum Mechanics, Elementary Particles (e.g. Higgs bosons) and Complexity Theory.
Author	Barratt, R et al
Publisher	Springer
ISBN	9783319316901
Published date	2016
Edition	1
EBook available?	

Title	AS and A Level Physics Through Diagrams: Oxford Revision Guides
Description	This series builds on the fact that pictures are easier to memorize than words. Each topic is summarized on a single page using annotated diagrams and concise notes with a full index for easy reference
Author	Pople, S
Publisher	Oxford University Press
ISBN	9780199180950
Published date	2009
Edition	1
EBook available?	

Online resources

Title	Curriculum Press
Website	http://www.curriculum-press.co.uk/
Description	Subject-specific factsheets and study guides for purchase.

Website	Royal Society of Physics https://royalsociety.org/
Description	Comprehensive and extensive resources and publications.

Website	Physics.org http://www.physics.org/
Description	Searchable database of resources from the Institute of Physics.

Website	School Science Lessons – Physics http://www.schoolscience.co.uk/ages-16-to-19/resources/physics
Description	Excellent links to resources and websites for teaching Physics.

Website	The Physics Classroom http://www.physicsclassroom.com/
Description	Interactive tutorials and assessments for students as well as teacher resources.

Website	Practical Physics http://www.nuffieldfoundation.org/
Description	For teachers of physics in schools and colleges. It is a collection of experiments that demonstrate a wide range of physical concepts and processes

Website	The Physics Place https://media.pearsoncmg.com/bc/abp/thephysicsplace/
Description	Supplies links to additional material and also coverage of many basic chemistry concepts.

Website	Science in School
	www.scienceinschool.org
Description	This online journal aims to promote inspiring science teaching by encouraging communication between teachers, scientists, science teachers and everyone else involved in European science education.
Website	The Science Spot
	www.sciencespot.net
Description	Includes numerous links and covers topics such as trivia, science clubs, starters and other teaching and learning resources.
Website	S-cool
	http://www.s-cool.co.uk/a-level/physics
Description	Clearly organised revision notes on each topic with questions at the end of each section. For students of all abilities.
Website	Physics Central
	http://www.physicscentral.com/
Description	From the American Physical Society, this is a collection of experiments exploring everyday physics. An excellent teacher and student resource.
Website	The Michaelson-Morley Experiment
	http://galileoandeinstein.physics.virginia.edu/more_stuff/flashlets/mmexpt6.htm
Description	This clear and easy to use website simulates the set-up used in the experiment including measurement of the aether wind.
Website	Elementary Einstein
	http://www.einstein-online.info/elementary
Description	This website provides information about Albert Einstein's theories of relativity and their coolest applications, from the smallest particles to black holes and cosmology. Suitable for all students.
Website	Zooniverse
	www.zooniverse.org
Description	An excellent website which links to experiments that the general public can actually take part in, such as classifying data received from telescopes. Great for student engagement.

Website	CERN
	home.cern
Description	The CERN website - good resources for teachers and students including articles about particle physics.

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