

8 RESOURCE LIST

The following list is an indication of books and other resources which teachers and students may find useful in teaching and studying a course based on this specification. It is not intended to be a list of prescribed texts, nor is it intended to be an exhaustive list of all available resources.

ASE	ISBN
Signs Symbols and Systematics: The ASE Companion to 5–16 Science.	0 863 57232 4
Cambridge University Press	
Balanced Science 1, 2 nd edition (Jones, Jones, Acaster and Marchington).	0 521 59979 2
Balanced Science 2, 2 nd edition (Jones, Jones, Acaster and Marchington).	0 521 59980 6
Chemistry (Harwood).	0 521 57628 8
Chemistry, Co-ordinated Science, 2 nd edition (Jones, Jones and Acaster).	0 521 59983 0
Science Foundations Chemistry (Milner and Evans).	0 521 55663 5
Science Foundations Extension Chemistry (Milner and Mills).	0 521 64918 8
Science Foundations Chemistry Supplementary Materials.	0 521 58853 7
Biology New Edition 1999 (M Jones and G Jones).	0 521 45618 5
Physics, Coordinated Science (Jones, Jones and Marchington).	0 521 45945 1
Collins Educational	
Chemistry (Morris).	0 00 322386 8
Hobson Publishing plc	
Biology Plus – Volume 1 1989 (P Robinson).	1 85324 032 X
Biology Plus – Teacher’s Notes 1989 (P Robinson).	1 85324 226 8
Hodder & Murray	
GCSE Biology for CCEA (R. McIlwaine & J. Napier).	0 340 85825 7
GCSE Chemistry for CCEA (J. Johnston & T. Lavery).	0 340 85824 9
GCSE Physics for CCEA (F. McCauley & R. White).	0 340 85899 0
Chemistry Counts, 2 nd edition (Hill).	0 340 63934 2
Progress with GCSE Structured Questions: Chemistry (Hills & Butler).	0 340 72041 7
Physics Matters (Nick England).	0 340 42943 7

**Chemical Industry Education Centre, University of York,
York YO1 5DD**

Wearing Jeans.
Cash and Chemicals.

Letts

ISBN

Science Classbook (McDuell, Booth and Bayliss).	1 857 58416 3
Science Homework Book (McDuell, Booth and Bayliss).	1 857 58417 1
GCSE Science Study Guide (Hill).	1 857 58237 3
GCSE Chemistry Study Guide (McDuell).	1 857 58302 7
GCSE Science Questions and Answers (McDuell and Booth).	1 857 58322 1
GCSE Chemistry Questions and Answers (McDuell and Booth).	1 857 58316 7

Longman

Materials at work.	0 582 29384 7
Making new materials.	0 582 29383 9
Pollution.	0 582 29386 3

Murray

GCSE Chemistry (Earl and Wilford).	0 7195 5302 2
GCSE Biology 1999 (D G Mackean).	0 7195 5302 4
World of Science New Satis, Student's Book.	0 7195 7411 0
World of Science New Satis, Teacher's Book.	0 7195 7412 9
GCSE Physics (Tom Duncan).	0 7195 4380 0

Nelson

Essential Science for GCSE (Lakin and Patefield).	0 17 438716 4
Nelson Balanced Science: The Material World, 2 nd edition. (Holman).	0 17 438700 8
Nelson Science: Chemistry (Holman).	0 17 438678 8
Nelson Science: Chemistry (Hill and Holman).	0 17 448152 7
Nelson Science Biology 1995 (M Roberts)	0 1743 8677 X
The World of Physics, John Avison.	0 17 438238 3

Oxford University Press

Complete Chemistry (Gallagher and Ingram).	0 1991 4799 X
Science to GCSE Book of Data Logging and Control.	0 19 914634 9

Pearson Publishing

Using the Internet – Science.	1 85749 4172
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Stanley Thornes

ISBN

Key Science Chemistry New Edition Student's Book (Ramsden).	0 7487 3009 5
Key Science Chemistry New Edition Extension File (Ramsden).	0 7487 3006 0
Calculations for GCSE Chemistry (Ramsden).	0 7487 1738 2
Basic Chemistry Questions for GCSE (Bernard Abrams).	0 7487 1724 2
Physics for You (Keith Johnson).	0 7487 0565 1
Key Science Physics (Jim Breithaupt).	0 7487 1674 2

Royal Society of Chemistry

Education Manager (Schools and Colleges), RSC, Burlington House, Piccadilly, London W1V 0BN.

Chemical Industry Education Centre

Department of Chemistry, University of York.

Schools Information Centre on the Irish Chemical Industry

Resources for Teaching Chemistry.

2nd edition (1994) – contains an extensive list of resources from companies and organisations in Ireland, the UK and Overseas, with a guide to museums, interactive centres, periodicals, videos, software, safety etc.

CD-ROM/packages

Science Series 1: Elements.

Science Series 2: Materials.

Inventors and Inventions.

Environment Series 1: Water.

Environment Series 2: Land and Air.

ADAM essentials: The ADAM Scholar Series.

ADAM Software Imc, Atlanta.

Interactive CD-ROM on human anatomy and physiology.

Balance.

AVP computing, Chepstow.

Diet analysis software

GCSE Biology.

Dorling Kindersley.

Revision Program Natural Selection Series – Peppered

Moths.

Newbyte Educational Software.

Interactive software with students acting as predators.

Stanley Thornes

Compact Questions: Science CD-ROM (available for Science or separately for Physics, Chemistry and Biology).

Videos

University of York Science Education Group and Granada TV
Chemistry in Action:

Cracking the problem: manufacture of ethene and poly(ethene).

Salt Solution: chemicals from salt.

Rusting all over the world: iron and steel, properties of iron.

Aluminium can!: properties of aluminium.

Invergrog reservoir: purification of water.

Limestone: properties of lime.

Out of the air: air pollution.

Ways with coal: uses of coal and coke.

Useful websites

www.webelements.com	Elements database
www.chemsoc.org	For links to chemistry sites
www.ase.org.uk	
www.schoolzone.co.uk	For links to science sites
www.chemmybear.com	
www.schoolsscience.co.uk	Useful lesson plans and information
www.shu.ac.uk/schools/science/sol	Lesson plans
http://www.eibe.info	The European Initiative for Biotechnology Education. Includes a range of teaching materials for 16–19 year-olds but several are suitable for Key Stage 4: DNA model, Bread-making investigation, DNA extraction.
http://www.wildlifetrust.org.uk	The Wildlife Trust
http://www.wwf-uk-org	The World Wildlife Fund

Other

CD-ROMs available from New Media Press Limited cover a range of Chemistry topics, eg states of matter; elements, compounds and mixtures; electrochemistry; understanding reactions.

EXAMPRO: A software package giving access to CCEA past papers, mark schemes, Chief Examiners' Reports and information on grade boundaries.