

Engineering resource list

Level 3

Books

- Advanced Design and Technology
Published: Longman, 2000
ISBN: 9780582328310
Norman, E; Urry, S; Cubitt, J
Whittaker, M
- AQA GCSE Engineering
Published: Nelson Thornes, 2009
ISBN: 9781408504123
Anderson, P
- Basic Engineering Mathematics
Published: Newnes, 2005
ISBN: 9780750665759
Bird, J
- Basic Pro/Engineer in 20 Lessons
(General Engineering)
Published: PWS, 1997
ISBN: 9780534950682
Lamit, L. G
- BTEC National Engineering
Published: Newnes, 2007
ISBN: 9780750685214
Tooley, M; Dingle, L
- CAD/CAM A guide for secondary schools
Published: TEP
Cater, R
- Control Engineering
Published: Pearson Education, 2004
ISBN: 9780131276192
Bolton, W
- Design and Technology: Compendium
of British Standards for Teachers of Design and
Technology in Schools and Colleges
Published: BSI, 2004
ISBN: 0580435210
- Designing Safe Machinery:
Guidance for Higher Education to the Standards and Regulations
Published: BSI, 2006
ISBN: 0580488012
- Designing with ProDesktop
Published: Design & Technology Association, 2005
ISBN: 1898788766
Hutchinson, J
- Electrical and Electronic Principles
and Technology (3rd edition)
Published: Newnes, 2007
ISBN: 9780750685566
Bird, J
- Engineering A Level
Published: Newnes, 2005
ISBN: 9780750666923
Tooley, M
- Engineering Fundamentals
Published: Newnes, 2002
ISBN: 0750656093
Timings, R
- Engineering Mathematics
Stroud, K. A

Published: Palgrave Macmillan, 2007
ISBN: 9781403942463

Engineering Mechanics: Statics SI Pack
Published: Pearson Education, 2006
ISBN: 9780132038089

Hibbeler, R

Engineering Science
Published: Newnes, 2006
ISBN: 9780750680837

Bolton, W

The Essential Guide to Technical Product
Specification: Engineering Drawing
Published: BSI, 2009
ISBN: 9780580626739

Phelps, N; Simmons, C

A Guide for Schools and Colleges
to BS 8888:2006, Technical Product Specification
Published: BSI, 2007
ISBN: 9780580508684

Industrial Control Handbook
Published: Newnes, 1999
ISBN: 9780750639347

Parr, A

Introduction to AutoCAD 2009
Published: Newnes, 2008
ISBN: 9780750689830

Yarwood, A

Introduction to Health and Safety at Work
Published by: Butterworth-Heinemann Ltd, 2007
ISBN: 9780750685030

Hughes, P

Introduction to Material Science for Engineers
Published: Pearson Education, 2004
ISBN: 9780131276192

Shackleford, J

An Introduction to Mathematics for Engineers
Published: Hodder Education, 2008
ISBN: 9780340965528

Lee, S

Introducing Autodesk Inventor 2009
and Autodesk Inventor LT 2009
Published: John Wiley & Sons, 2008
ISBN: 9780470375525

Tremblay, T

Introduction to Solid Modeling
Using SolidWorks 2008 with SolidWorks
Student Design Kit
Published: McGraw-Hill Higher Education, 2008
ISBN: 9780077221386

Howard, W. E; Musto, J

Management of Health and Safety at Work
Published: Health and Safety Executive, 2000
ISBN: 9780717624881

HSE

Manual of Engineering Drawing
Published: Newnes, 2003
ISBN: 9780750651202

Simmons, C; Maguire, D

Manufacturing Processes for Design Professionals
Published: Prentice Hall, 1998
ISBN: 9780582327733

Thompson, R

Marketing Plans: How to Prepare Them, How to Use Them Published by: Butterworth-Heinemann Ltd, 2007 ISBN: 978-0750683869	McDonald, M
On Competition 2nd Edition Published by: Harvard Business School Press, 2008 ISBN: 978-1422126967	Porter, M E
Product Design: Practical Methods for the Systematic Development of New Products (Design Toolkits) Published: Taylor & Francis 1995 ISBN: 9780748741977	Baxter, M
SolidWorks for Dummies (2nd edition) Published: John Wiley & Sons, 2007 ISBN: 9780470129784	Jankowski, G; Doyle, R
Technology of Engineering Materials Published: Elsevier, 2002 ISBN: 9780750656436	Bolton, W; Philip, M
Zeus Precision Data Chart and Reference Tables for Drawing Office, Toolroom and Workshop Published: Zeus Precision Charts Ltd, 2007 ASIN: B0000CLZUO	

CDs, CD-ROMs and DVDs

- Better by Design, Channel 4 (2000).
- CAD – Creative Design, Design & Technology Association.
- CAM – Revolutionary Design, Design & Technology Association.
- Choosing Sustainable Materials, Pumpkin TV.
- Complete Resource DVD for GCSE Engineering/Manufacturing, SEMTA (2006). DVD
- Controlling Speed, TEP. CD-ROM
- DC11 Design Process, James Dyson Foundation.
- Designs on Your..., Channel 4 (1998).
- Developing Systems, TEP. CD-ROM
- Engineering at the cutting edge, Channel 4 (2004). DVD
- Engineering, Learning and Skills Development Agency (2002). CD-ROM
- Engineering@work (2007) DVD Resource Pack
- GCSE Engineering & Manufacturing Resource, EEF West Midlands (2006). DVD
- Manufacturing in Gloucestershire, Setpoint. DVD.
- Manufacturing, Learning and Skills Development Agency (2002). CD-ROM
- Material Selection and Processing', A M Lovett, H R Shercliff and P J Withers, TEP.
- Pneumatics Resource DVD for GCSE Engineering/Manufacturing, SEMTA/FESTO (2006). DVD
- Product Design and Mass Manufacture – Design Optimisation, Pumpkin TV
- Product Design, Testing and Modification, Pumpkin TV.
- Transmitting Power, TEP. CD-ROM
- Using Components, TEP. CD-ROM
- Virtual reality Library, TEP. CD-ROM
- Volvo – Life Cycle Assessment, Pumpkin TV.
- Volvo cars: Designing for Innovation and Safety, Pumpkin TV
- X:plore CD-ROMs: Engineering with Rolls Royce and Automotive Engineering with Various Motor Dealerships (2007/2008) CD-ROMs

In addition to the above, "How it's made" and "How do they do that" are series shown on the Discovery Channel and various other satellite/cable services. They contain a series of short case studies following the

manufacture of engineered products. Extracts from some of these episodes can be found online (such as on www.youtube.com).

Journals and Magazines

E&T Education
Engineering News & Views
Engineering
Professional Engineering
Designing

Websites

14-19 Workforce Support	www.diploma-support.org/resourcesandtools/insidework/ee/Eng
AQA-City & Guilds	www.diplomainfo.org.uk/engineering.asp
BAe Systems Education Programme	www.baesystemseducationprogramme.com
Blueprint Design CD-ROM download	www.ider.herts.ac.uk/school/blueprint_area
British Plastics Federation (BFP)	www.bpf.co.uk
BSI Education	www.bsieducation.org/Education/14-19/default.shtml
CAD Tutor (AutoCAD)	www.cadtutor.net
Carbon Trust	www.carbontrust.co.uk
Centre for Alternative Technology	www.cat.org.uk/edresources
Corus	www.corusgroup.com/en/responsibility/education/resources/internet
Dyson	www.jamesdysonfoundation.com/education
Energy Saving Trust	www.energysavingtrust.org.uk
Engineering Education Scheme	www.engineering-education.org.uk
Health and Safety Executive	www.hse.gov.uk
How everyday things are made	www.manufacturing.stanford.edu/hetm.html
Howstuffworks	www.howstuffworks.com
Institution of Engineering and Technology (IET)	www.theiet.org/education
Institution of Mechanical Engineers (IMechE)	www.imeche.org.uk
Intellectual Property Office	www.ipo.gov.uk
Learning Grid	www.learninggrid.co.uk
LJ Create	www.ljcreate.com/engineeringdiploma
Netregs (environmental guidance)	www.netregs.gov.uk
OCR Diploma Student Guide	www.ocrdiplomabank.co.uk
Practical Action	www.practicalaction.org.uk
Qualifications and Curriculum Authority (QCA) Engineering Diploma page	www.qcda.gov.uk/qualifications/902.aspx
Renesas virtual factory tour	www.renesas.com/v_factory/en/index.html
Roytech (engineering links)	www.roytech.co.uk
Science Technology Engineering and Maths Network (STEMNET)	www.stemnet.org.uk
Sector Skills Council for Science, Engineering and Manufacturing Technologies	www.semta.org.uk
Smallpiece Trust	www.smallpiecetrust.org.uk
Sustainable Design Award	www.sda-uk.org
Sustainable Technology Education Project	www.stepin.org
Technology Enhancement Programme (TEP)	www.tep.org.uk
Technology Student	www.technologystudent.com
Vibe Engineering	www.ssatvibe.org.uk/products/engineering
Women into Science, Engineering and Construction (WISE)	www.wisecampaign.org.uk
Young Engineers	www.youngeng.org