



Science and Engineering Careers Information and Resources for Teachers



The following is a list of schemes, career guides, posters, games and CDs that can be used to increase interest in Science and Engineering and improve career advice available in schools for these sectors. Most of the printed material is free on application or for a limited number of copies. Where a web address is available for downloading documents or information from a web site this is also shown. The listings are NOT in any particular priority order. Whilst the publications listed are useful for reference, the web sites listed both here and in the student guide also provide information about careers. Where possible the web links give direct access to the relevant part of a site. If you want an electronic version of this document please contact your nearest Industrial Trust office.

Title	Source	Format	Description	KS	Address
Classroom posters, teaching aids and schemes to engage students in Science and Engineering					
Engineering your future	IMechE	A4 landscape booklet	Promotes career awareness days organised by the IMechE for students to attend where they can discover the different engineering disciplines.	KS4-5	The Institution of Mechanical Engineers, 1 Birdcage Walk, Westminster, London, SW1H 9JJ Telephone +44 (0)20 7222 7899 http://www.imeche.org
Structural awards	IStructE		Posters illustrating innovative structures.	KS3-4	The Institution of Structural Engineers, 11 Upper Belgrave Street, London, SW1X 8BH Telephone: +44 (0)20 7235 4535 Order from: http://www.istructe.org/students/db/567.asp
Science and engineering posters	IET	A2 coloured posters	Posters demonstrating scientific principles behind engineering problems. Introduce formulas and calculations.	KS3-4	The Institution of Engineering and Technology Michael Faraday House, Stevenage, Herts, SG1 2AY Tel: +44 (0)1438 313 311. Preview downloads at: http://www.theiet.org/education/teacherresources/index.cfm
Technology for Life	IET	4 page A4 glossy with DVD	Introducing the IET Faraday programme to enhance Science and technology Teaching.		The Institution of Engineering and Technology, Michael Faraday House, Stevenage, Herts, SG1 2AY Tel: +44 (0)1438 313 311 General information at: http://www.theiet.org/education/faraday/
Café Scientifique	junior cafesci	A4 black and white	Introduces the in-school 'meet the scientists' programme.	KS4-5	see http://cafescientifique.org for local contacts.

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Spark magazines	WISE	Full colour magazines	Designed to encourage female students to acquire/maintain interest in science and engineering using popular culture.	KS3-4	WISE (Women Into Science, Engineering and Construction), 2nd floor Weston House, 246 High Holborn, London, WC1V 7EX Tel: 020 3206 0408 Download at: http://www.wisecampaign.org.uk/publications.html
What is in it for me?	STEMNET	23 page A4 black and white	Guide to STEM enrichment.		STEMNET, 2nd Floor, Weston House, 246 High Holborn London, WC1V 7EX. Tel: 020 3206 0450 Download from: http://www.stemnet.org.uk/teachers.cfm
Science and Engineering Ambassadors	STEMNET	6 page tri-fold A4 glossy	Introducing the SEAs programme, how to get involved and use SEAs to enrich teaching/provide career role models.		STEMNET, 2nd Floor, Weston House, 246 High Holborn London, WC1V 7EX. Tel: 020 3206 0450 Case studies download from: http://www.stemnet.org.uk/ambassadors_seas/what_do_seas_do.cfm
What are SETPOINTS?	STEMNET	6 page A4 colour	Explanation of the role of SETPOINTS and how they can help teachers.		STEMNET, 2nd Floor, Weston House, 246 High Holborn London, WC1V 7EX. Tel: 020 3206 0450 Download from: http://www.stemnet.org.uk/setpoints.cfm
Go4SET	RAE/Best/EDT		New scheme for KS3 involving them in engineering projects.	KS3	Engineering Development Trust.. Weltech Centre, Ridgeway, Welwyn Garden City, Herts, AL7 2AA. Tel: 01707 393323 Information at: http://www.go4set.org.uk/
Engineering Education Scheme	RAE/Best/EDT	Flyer card	Flyer describing the EES which provides projects for students.	KS4-5	Engineering Development Trust, Weltech Centre, Ridgeway, Welwyn Garden City, Herts, AL7 2AA. Tel: 01707 393323 Information at: http://www.thescheme.org.uk/
Headstart	RAE/Best/EDT	Flyer card	Flyer describing the Headstart scheme for Year 12 student to spend a week at University.	KS5	Engineering Development Trust, Weltech Centre, Ridgeway, Welwyn Garden City, Herts, AL7 2AA. Tel: 01707 393323 Information at: http://www.headstartcourses.org.uk/
Year in Industry	RAE/Best/EDT	Flyer card	Gap year scheme for students before University which involves them in real industrial projects.	KS5	Engineering Development Trust, Weltech Centre, Ridgeway, Welwyn Garden City, Herts, AL7 2AA. Tel: 01707 393323 Information at: http://www.yini.org.uk/

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Title	Source	Format	Description	KS	Address
Engineering Leadership	RAE/Best	Flyer card	Flyer describing the Engineering leadership awards for undergraduates.	Undergraduate	The Royal Academy of Engineering, 3 Carlton House Terrace, London, SW1Y 5DG. Tel: 020 7766 0600 Information at: http://www.raengbest.org.uk/schemes/undergraduate.htm
Young Engineers	RAE/Best/Young engineers	Flyer card	Flyer describing Young Engineers clubs which involve students in engineering projects.	All	Young Engineers, Chitlee Manor, Liphook, Hampshire, GU30 7AZ Tel: 01428 727265 Information at: http://www.youngeng.org
Shape the Future	RAE	40 page A4 glossy booklet	Lists enrichment and enhancement opportunities for STEM (issued annually to all secondary schools).	KS2 to Undergraduate	The Royal Academy of Engineering, 3 Carlton House Terrace, London, SW1Y 5DG. Tel: 020 7766 0600 Download from: http://www.shapethefuture.org.uk
Smallpeice Trust courses	RAE/Best/Smallpeice	Flyer cards	Flyers describing courses in engineering run by Smallpeice.	All	The Smallpeice Trust, Holly House, 74 Upper Holly Walk, Leamington Spa CV32 4JL. Tel: 01926 333202 Information from: http://www.smallpeicetrust.org.uk/
Safe workplace visits made easy	EEF	4 page A5 matt colour	Describes process for companies to host workplace visits.		EEF, the Manufacturers' Organisation, Broadway House, Tothill St, London SW1H 9NQ. tel: 020 7222 7777 Download from: http://www.eef.org.uk/UK/whatwedo/information/by+subject/educationandskills/briefings/public/2005/briefingES200503311.htm or visit www.safevisits.org.uk
In-company educational visits	Industrial Trust		Workplace educational visits to meet specific learning needs, including delivery of elements of the STEM curriculum and careers/role models.	KS2 to Undergraduate	Information and contacts from: www.industrialtrust.org.uk
Teaching aids with advice and information for students about careers in science and engineering					
Top careers in Science (and other science based card games)	Loop Cards Publishing	28 card game	Card collection game that puts over 28 different science based careers using a card game format known to young people (about £7 per set).	KS3-4	Loop Cards Publishing, 57 Heathcote Court, Heathcote Avenue, Ilford, Essex, IG5 0QR. Tel: 020 8550 9233 Order from: http://www.loopgames.co.uk/games.aspx

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engineuity Poster	etb/ engineuity	A2 Poster or A4 web download	Cartoons to explain what is engineering.	KS3-4	The Engineering and Technology Board, 2nd Floor, Weston House, 246 High Holborn London, WC1V 7EX. Tel: 0203 2060400 Email Careers@etechb.co.uk or Download from: http://www.engineuity.org.uk/resources/careers_leaflets.cfm
engineuity Route Map	etb/ engineuity	A2 Poster or A4 web download	Poster route map to engineering qualifications.	KS4-5	The Engineering and Technology Board, 2nd Floor, Weston House, 246 High Holborn London, WC1V 7EX. Tel: 0203 2060400 Email Careers@etechb.co.uk or Download from: http://www.engineuity.org.uk/resources/careers_leaflets.cfm
Engineering and technology Careers Catalogue 2008	etb/ engineuity	A4 download to form 52 page A5 booklet	List of organisations representing different types of engineering with their publications and web sites of career interest. (Useful directory for teachers rather than direct career advice).		Download from: http://www.engineuity.org.uk/resources/careers_catalogue.cfm
Careers catalogue	etb/scenta	A5 (A4 landscape folded) 62 pages	Extensive catalogue of organisations for older age groups connected to engineering and science, with information about publications and programmes that they run.		The Engineering and Technology Board, 2nd Floor, Weston House, 246 High Holborn, London, WC1V 7EX Tel: 0203 2060400 Download from: http://www.scenta.co.uk/minisites/publications/index.cfm
The Learning Grid Guide	The Learning Grid	52 page A4	Guide to a number of events and activities to generate interest in science and engineering.		The Learning Grid, Savoy Place, London, WC2R 0BL Telephone: 0845 900 7755. Download from: http://www.learninggrid.co.uk/guide/download
Education Theme	IMechE	2 side A4 flyer	Explains what the IMechE are doing towards educations and the development of engineers.		Institution of Mechanical Engineers , 1 Birdcage Walk, Westminster, London, SW1H 9JJ Telephone +44 (0)20 7222 7899. Download from: http://www.imeche.org/NR/rdonlyres/50B634EB-74E4-45D6-9651559609FC2D93/2894/EducationThemeFlyer.doc

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Careers Library Folder	IChemE	A3 folder	Promoting 'whynotchemeng.com' and 'Future Life', explaining what Chemical Engineers do and the challenges that they face. Also access to teaching aids.	KS4-5	Institution of Chemical Engineers, Davis Building, 165-189 Railway Terrace, Rugby, CV21 3HQ. Tel: 01788 578214. Order from: http://www.whynotchemeng.com/UK-and-Ireland/Teachers
Future Life Posters	IChemE	A2 Poster	Promoting the impact of Chemical Engineers.	KS4-5	Institution of Chemical Engineers, Davis Building, 165-189 Railway Terrace, Rugby, CV21 3HQ. Tel: 01788 578214 Order from: http://www.whynotchemeng.com/UK-and-Ireland/Teachers
Planet Science	NESTA	Website	A resource-rich site of science based activities.	KS2-5	www.planet-science.com
Planet Scicast	etb/NESTA/ IoP	Website	This has a series of short films of various scientific demonstrations mostly performed by students.	KS2-5	www.planet-scicast.com
Schools Science	ASE	Website	This site has 4 million hits a year. It is divided into age bands and contains science-based activities and information about scientific developments for teachers and students.	KS2-5	http://www.schoolscience.co.uk/
Exploratorium	Museum of Science and Human Perception	Website	Website of a San Francisco museum that contains teaching aids and fascinating activities to help create interest in science.	KS2-5	www.exploratorium.edu/

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Printed careers advice that can be ordered for students

Be a pioneer (Be an engineer)	IMechE	A4 landscape booklet	Outline of the various industries in which engineers are employed and the products they design and build.	KS3-4	Institution of Mechanical Engineers, 1 Birdcage Walk, Westminster, London, SW1H 9JJ Tel: 020 7222 7899. Request from: http://www.imeche.org/profdev/education/pioneer.htm or http://www.imeche.org/profdev/education/orderbrochure.htm
Engineering opportunities	IMechE	A4 booklet	Advice and information on how to make the most of opportunities open to students in education and industry, including GCSEs, degree choices and employment preparation.	KS4-5	Institution of Mechanical Engineers, 1 Birdcage Walk, Westminster, London, SW1H 9JJ Tel: 020 7222 7899. Order from: http://www.imeche.org/profdev/education/orderbrochure.htm
You and Mechanical Engineering	IMechE	A4 booklet	Overview of the profession and requirements, with inspiring imagery aimed at pre-university students.	KS5	Institution of Mechanical Engineers, 1 Birdcage Walk, Westminster, London, SW1H 9JJ Tel: 020 7222 7899. Order from: http://www.imeche.org/profdev/education/orderbrochure.htm
Give your career some structure	IStructE	A4 booklet	Careers in structural engineering, profiling the work of young engineers and structures they helped to build.	KS4-5	The Institution of Structural Engineers, 11 Upper Belgrave Street, London, SW1X 8BH. Tel: 020 7235 4535. Order from: http://www.istructe.org/students/db/567.asp
Structural awards	IStructE	A4 booklet	Details of innovative structures to inspire young people.	KS3-4	The Institution of Structural Engineers, 11 Upper Belgrave Street, London, SW1X 8BH. Tel: 020 7235 4535. Order from: http://www.istructe.org/students/db/567.asp
The Institute of Structural Engineers	IStructE	A4 booklet	Details of membership and career options.	KS4- undegr aduate	The Institution of Structural Engineers, 11 Upper Belgrave Street, London, SW1X 8BH. Tel: 020 7235 4535. Order from: http://www.istructe.org/students/db/567.asp
Mini rough guide to Designing your future (limited quantities available)	etb	92 page A6 booklet	Engineering as a career; qualification paths; job opportunities in engineering sectors including case studies; widening the perception of engineering including websites to visit; career paths.	KS3-4	The Engineering and Technology Board, 2nd Floor, Weston House, 246 High Holborn, London, WC1V 7EX Tel: 0203 2060400 Email: Careers@etechb.co.uk

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enginuity careers leaflets	etb/enginuity	A4 leaflets (8)	Details of various engineering careers.	KS3-5	The Engineering and Technology Board,, 2nd Floor, Weston House, 246 High Holborn, London, WC1V 7EX Tel: 0203 2060400 Email Careers@etechb.co.uk or Download from: http://www.enginuity.org.uk/resources/careers_leaflets.cfm
Sea your future	IMarEST	A4 pack of leaflets	Showing the different career options and qualification routes (10 free then £3.50each).	KS3-4	The Institute of Marine Engineering, Science and Technology, 80 Coleman Street, London' EC2R 5BJ. Tel: 020 7382 2600 Order from: http://www.imarest.org/careers/carimmar/default.asp
Create Initiate Elevate	RAeS	A4 colour brochure	Series of introductory guides to opportunities in aerospace engineering and other aerospace careers.	KS3-5	Careers Centre, Royal Aeronautical Society, 4 Hamilton Place, London W1J 7BQ. Tel: 020 7670 4326/5 See: http://www.raes.org.uk/cmsspage.asp?cmsitemid=0007 e-mail: careers@raes.org.uk
What Aerospace can do for you	RAeS	A4 colour brochure	Tips about careers in aerospace.	KS3-4	Careers Centre, Royal Aeronautical Society, 4 Hamilton Place, London W1J 7BQ. Tel: 020 7670 4326/5 e-mail: careers@raes.org.uk
Aerospace job cards	RAeS	3 job profile cards	Focus on careers in aerospace engineering, aircrew and space engineering.	KS3-5	Careers Centre, Royal Aeronautical Society, 4 Hamilton Place, London W1J 7BQ. Tel: 020 7670 4326/5 e-mail: careers@raes.org.uk
Everything Aerospace	RAeS	A4 colour brochure	Careers magazine covering all types of careers in aerospace.	KS4-5	Careers Centre, Royal Aeronautical Society, 4 Hamilton Place, London W1J 7BQ. Tel: 020 7670 4326/5 e-mail: careers@raes.org.uk
So you want to be a pilot	RAeS	A4 colour brochure	Guide to becoming a civil or military pilot.	KS3-4	Careers Centre, Royal Aeronautical Society, 4 Hamilton Place, London W1J 7BQ. Tel: 020 7670 4326/5 e-mail: careers@raes.org.uk
Make your choice	IET	12 page A4 matt coloured	Promotes engineering as a career including opening up the scope of what engineering is, providing qualification path information and useful websites.	KS4-5	The Institution of Engineering and Technology, Michael Faraday House, Stevenage, Herts SG1 2A. Tel: 01438 313 311 Download from: http://www.theiet.org/education/becomingengineer/makeyourchoice/index.cfm

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Make a difference	CIBSE	10 fact sheets in A4 folder	Introducing building services engineering and the branches of careers.	KS4-5	CIBSE, 222 Balham High Road, London SW12 9BS Tel +44 (0)20 8675 5211. Download from: http://www.cibse.org/index.cfm?go=page.view&item=688
Little book of civilisation	ICE	Looks like half A4 landscape	Shows the work of civil engineers and the exciting projects they can work on - all over the world	All	ICE Careers, One Great George Street, Westminster SW1P 3AA. Tel: 0207 665 2150. Download from http://www.ice.org.uk/about_ice/aboutice_wice.asp
Careers in Naval Architecture	RINA	A4 colour brochure and web version	Describes the routes to Naval Architecture career opportunities.	KS5- undergraduate	The Royal Institution of Naval Architects, 10 Upper Belgrave Street, London. Tel: 020 7235 4622. Download from: http://www.rina.org.uk/iqs/sid.07094940985519452607227/page389.html
Careers in Environmental Engineering	SEE	A4 colour brochure	Describes opportunities in Environmental engineering.	KS4-6	The Society of Environmental Engineers, The Manor House, High Street, Buntingford, Herts. SG9 9AB. Tel: 01763 271209
Particularly aimed at female students					
Role Model Sets	WISE	A4 leaflets	Descriptions of successful women in science and technology.	KS4-5	WISE (Women Into Science, Engineering and Construction), 2nd floor Weston House, 246 High Holborn, London, WC1V 7EX Tel: 020 3206 0408. Download from: http://www.wisecampaign.org.uk/publications.html
A girl like you	WISE	A4 booklet	Colourful booklet introduces the world of SET and construction to girls, explaining how these careers are exciting, fulfilling, and beneficial to the world at large.	KS3-5	WISE (Women Into Science, Engineering and Construction) 2nd floor Weston House, 246 High Holborn, London, WC1V 7EX. Tel: 020 3206 0408. Download from: http://www.wisecampaign.org.uk/publications.html
Let your ideas blossom	Make your Mark	24 page A4 matt colour	Stories of women who have made their mark, about half being science or engineering focused	KS4-5	Download from: http://www.makeyourmark.org.uk/campaigns/womens_entprise/girls_make_your_mark
Do you want your daughter to have a well paid and exciting career?	UKRCW	4 page A5 glossy	Encourages parents to let daughters consider engineering and gives pointers to encourage interest.	KS4-5	UK Resource Centre for Women in Science, Engineering and Technology. Listerhills Park of Science and Commerce, 40-42 Campus Road, Bradford BD7 1HR. Details at: http://www.ukrc4setwomen.org.uk/html/resources/publications-catalogue/?publicationid=3907

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