

Science Year Planner For the Falkirk Area – 2007/2008

As part of the My Future's in Falkirk (MFiF) initiative the Science and Technology theme group have compiled the science planner for 2007/08 which lists events, activities and grants available for the Falkirk area schools. This will be an annual planner and we are proposing to make this available on the MFiF website, www.myfuturesinfalkirk.co.uk to allow for updates and easy access.

The future of science and technology rests in the hands of our young people and hence Falkirk Council Education Services is committed to making young people aware of the science and technology-based industries that our Council area hosts. We will therefore continue to enable our children and young people to experience a range of exciting opportunities in science and technology within our schools and beyond. Through these experiences, we aim to attract our young people to work in the Falkirk Council area within our local industries.

Science, Technology and Innovation are a key focus for the Falkirk area as well as a key theme in the MFiF initiative and we must seek to enthuse and motivate our young people to participate in these areas. We hope this planner will assist in forward planning for the schools and also highlighting any gaps in provision.

If you have any comments or suggestions in relation to the planner please e-mail these to frank.mckeever@careers-scotland.org.uk

Thank you

Events	Description	Dates/ Timing	Target Audience	Location – Locally and Nationally	Contact
Enterprise Week	Full range of activities across the area, including science related	12-16 Nov 2007	All ages	Across all the schools in the area	Susan McCurry & Frank McKeever 01324 620311 www.determinedtosucceed.co.uk
Knex Challenge	P6 challenge	Cluster application required in November 06	Primary 6 pupils	At school, Local, Regional, Scottish & UK	Frank McKeever 01324 620311 frank.mckeever@careers-scotland.org.uk
IET Christmas Lectures	Science-based lectures 'The Future is Parallel'	05 Dec 07 06 Dec 07	S2-S6 pupils	Edinburgh National Museum Glasgow IMAX	www.theiet.org IET Scotland , The Teacher Building, Glasgow 0141 566 1871 Booking: AFitzsimmons@theiet.org
Christmas Lecture	To be confirmed	To be confirmed	S2 & S3 pupils	Forth Valley College	Nicky Whyte 01324 403154 nicky.whyte@forthvalley.ac.uk
Toyota Technology Challenge 2007-08	Design and build an environmentally friendly model vehicle Prize up to £1000 for school	Register for info & kit: 20 Nov 07 Submission: 15 Feb 08	Age 11-16 yrs Technology Students	At school	www.raipideducation.co.uk/toyota @ Email: toyotachallenge@rapidelec.co.uk 01206 751166
Salters' Institute Chemistry Camps	Summer Chemistry Camps for students	Info. available online from 26 Nov 07	S3 chemistry students	Various	The Camps Administrator Fore Street, London EC2Y 5DE 020 7628 5962 www.saltersinstitute.co.uk

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Make it in Scotland	Manufacturing Challenge	Date to be confirmed	S2 project	In schools with regional final in Edinburgh	Gillian Sewell – 01324 620311
National Science and Engineering Week	Science activities – all schools to input Small Grant available to schools of £150 – see contact for details.	7-16 Mar 2008	All ages	Various	www.the-ba.net For details re: NSEW Grant Scheme email: nsew@the-ba.netgrant 020 7019 4963
Science Squad	The Mystery of the Smuggled Caviar (DNA extraction from fish eggs) Stimulating Daphne the Daphnia (caffeine & alcohol effects on Daphnia) Noisy Putty and Slippery Slime Bleedin' Forensics	Oct 2007- Mar 2008	S1/S2	Forth Valley College Tuesday 4-5.45pm	Nicky Whyte. Forth Valley College 01324 403154 Email nicky.whyte@forthvalley.ac.uk susan.allen@forthvalley.ac.uk
Ineos/MFIF Science Engineering and Technology Fair (SET Fair)	Science, technology and engineering sessions for all Primary 7 pupils in the area.	03 – 18 March 2008	P7 event for all Falkirk Schools	Held locally	Contacts Frank McKeever 01324 620311 Kath Wilson Ineos 01324 476948
Festival of Chemistry	Chemistry Challenge for transition pupils	Details on website 29 Nov 2008	Team challenge from P7- S1	University of Glasgow Glasgow Caledonian University	www.festivalofchemistry.co.uk

Edinburgh International Science Festival	Schools touring Programme – 17 shows & workshops linked to Environmental Studies	29 Jan- 20 Mar 2008 23 Apr – 31 May 2008	P1-P7	At school	www.generationscience.co.uk 0131 557 5588 generationscience@scifest.co.uk
Journeys in the Genetic Jungle (co hosted by British Society for Gene Therapy & Gene Therapy Advisory Committee)	Interactive day to find out about stem cell & gene therapy research.	07 Apr 2008	SG/Higher Pupils	Edinburgh Conference Centre, Heriot Watt University, EH14 4AS	Email to reserve a place BSGTjungle@bsgt.org
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'1001 inventions' Exhibition	Non-religious, non-political exhibition highlighting rich scientific heritage that the muslim community share with others	23 Oct 2007 – 08 Jan 2008	S1 & S2 in particular	Glasgow Science Centre	www.1001inventions.com
Glasgow Science Centre education packages & events	Exciting and inspiring activities for pre-school, primary and secondary pupils, all with direct links to the Scottish Curriculum.	Range of dates – see website for details	All	Glasgow Science Centre	www.glasgowsciencecentre.org.uk 0871 540 1000
SCI-FUN Roadshow	Science Technology Roadshow, promoting the sciences	Range of dates	P7 or S2	At school £200/school visit	www.scifun.ed.ac.uk 0131 651 3597
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SSTN Scottish Science & Technology Network	On line science project; teacher training and refresher sessions.	All year round	Primary & Secondary	On line	www.sstn.co.uk
Heriot-Watt University Programming	Write a software programme to plan the movement of search	Submissions 03-21 Dec 2007	Pupils studying higher or	At school Entry is free Laptop prize and iPods	Email: challenge@macs.hw.ac.uk www.macs.hw.ac.uk/cs/challenge

Challenge	and rescue robots	Results Feb 14 Mar 2008	advanced higher computing		
Science Engineering Ambassadors	Schools required to make application	All year round	All age groups	At school	Frank McKeever www.setpointscotlandseas.org.uk 01324 620311
Sci-Tech Challenge	Practical science & technology related team challenges	All year	S2-S3 pupils	At school	Susan McCurry– 01786 452158
Jaguar F1 Challenge	Design & manufacture CO ₂ powered F1 car	Registration by 19 Oct 2007	Secondary	At school	F1 in Schools www.f1inschools.co.uk 020 7227 8410
Ineos Exhibition Centre	Wide range of activities both Primary & Secondary	All year round	All age groups	Ineos – Bo’ness Road Grangemouth	Kath Wilson, Ineos 01324 476948
Science Kits	Transition Project	Cluster application required	Transition	At school	Frank McKeever 01324 620311
Activities	Description	Dates/ Timing	Target Audience	Location – Locally and Nationally	Contact
Setpoint Activities	Science, Technology, Engineering & Maths.	Topics arranged to suit schools	Primary & Secondary	At school	Frank McKeever www.setpointscotland.org.uk 01324 620311
After School Clubs	Young Engineers Knex, etc	Start up grants available.	Primary & Secondary	At school	Frank McKeever 01324 620311
Science Clubs	Science based activities	Cluster application required	Free kits, free membership of the BA	At school	Frank McKeever 01324 620311
Chemical Connection	Touring Chemistry workshops & lectures	All year round, need to apply FREE	Secondary	At school	University of Edinburgh – Chemistry Department www.chemicalconnections.org.uk
Tripping the Light Fantastic	Touring Science workshop/show	Application required	Show can be scaled up or	At school	www.fifex.co.uk 01382 554400

	exploring light, force and colour		down. Suits Primary or Secondary.		
Dusc - Development to Upgrade School Chemistry	Experiments	All year	Teachers CPD and pupils	At school	Don Sutherland SSERC, Pitreavie, Fife dusc@sserc.org.uk www.scots.org.uk
Go4SET	Linking pupils with companies & universities, offering 8 wk Engineering Science , IT & business experience	December launch Jan-Mar placement	S1/2 pupils	Company placement	www.go4set.org.uk School presentations can be arranged: 0141 548 4152
Headstart	Opportunity for pupils to experience one week at university		S5 Maths & Science students considering technology-based career	University placement	www.headstart.org.uk
Activities	Description	Dates/ Timing	Target Audience	Location – Locally and Nationally	Contact
The Year in Industry	Provides talented young people with paid, degree relevant work placements in the year out before or during their university course	Aug/Sept – July/August	S5/S6 pupils	Work placement prior to attending university	www.yini.org.uk 0141 548 4152/2845 email: Scotland@yini.org.uk
Schools Starpack Awards 2008	Scheme recognizing innovation in packaging design and technology	Entry details 05 Nov 07 Register by 31 Jan 08	More suitable for secondary pupils	At school	Rachel Brooks 01476 514594 Rachel.brroks@iom.org www.starpack.uk.com

		Closing date 22 Feb 08			
Nuffield Science Bursary Scheme	Science based project with an employer. Project placement.	Students must discuss project with regional officer	S5/S6 pupils 4-6 week placement. Small bursary £70 per week available	Schools, Setpoint, and Employers arrange	Frances Chapman Setpoint North Aberdeen University 01224 274191 f.c.chapman@abdn.ac.uk
Lab in a Lorry (partnership between IOP & Schlumberger Foundation).	Mobile science lab that aims to enthuse the next generation of scientists & engineers	Available year round	11-14 year olds	Available to make school visits	www.labinalorry.org.uk
Grant	Description	Target Audience	Deadline for Application	Criteria for Application	Local Contact
Royal Society Partnership Grants	Grant of up to £3000 for science related activities in schools.	Secondary & Primary	Nov 2007	School linking with a scientist/ Engineer on creative science investigations.	www.royalsoc.ac.uk/education/partnership.htm
Science & Technology Facilities Council	Grants of up to £500 for small-scale projects or events adding value to the teaching or promotion of physics.	Secondary & Primary	ongoing	Info. on website	www.scitech.ac.uk
Royal Society of Chemistry	Chemistry related	All Schools	ongoing	Info. on website	www.rsc.org
ChemWeb	Chemistry related	Schools during Science Week	Contact them		www.chemweb.com
Setpoint East	STEM	Some financial support	Contact Frank McKeever	Shows can be available & Science Engineering Ambassadors	frank.mckeever@careers-scotland.org.uk www.setpointscotland.org.uk
Science Matters	Science related	Secondary & Primary	Contact Susan McCurry	Call to discuss	susan.mccurry@carrers-scotland.org.uk 01786 452158
National Science &	Support of self-	All schools	30 Nov 07	Event to be held during	www.the-ba.net/smallgrants

Engineering Week Small Grant scheme	sustaining science events			Science Week 07-16 Mar 08	nsew@the-ba.net 020 70194963
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CPD Opportunities for Teachers	Description	Dates/ Timing	Target Audience	Location – Locally and Nationally	Contact
SSERC	Implementation of CfE in Primary Science	08 -10 Nov 2007 with recall 29 Feb-01 Mar 2008	Primary teachers	Glasgow Science Centre & local hotel.	www.sserc.org.uk/ 01383 626070 Email: cpd@sserc.org.uk
SSERC	Something old, something new ... Implementation of CfE in biology, chemistry, physics & mixed science teaching	Chemistry 25-27 Oct 07 08-09 Feb 08 Biology 15-17 Nov 07 14-15 Mar 08 Science 22-24 Nov 07 22-23 Feb 08 Physics 06-08 Dec 07 29 Feb-01 Mar 08	Secondary Science teachers		www.sserc.org.uk/ 01383 626070 Email: cpd@sserc.org.uk
SSERC	Improving Achievement in Science – develop confidence & competence in leading & managing constantly improving faculty or department	Nov 2007 with recall in Mar 2008	New & aspiring Heads of Faculty & Principal teachers	Glasgow Marriott Hotel	www.sserc.org.uk 01383 626070 Email: cpd@sserc.org.uk
Rolls-Royce Science Prize	Up to £20 000 to spend on improving science	Submissions by 29 Feb 2008	Teams of 3-6 adults involved in science learning & teaching		www.rolls-royce.com/scienceprize
Construction Challenge Seminars	Seminars/workshops on construction industry opportunities	01 Nov 2007 12 Nov 2007 22 Nov 2007 04 Feb 2008	Those involved in subject /career guidance	Dundee Dunblane Dunfermline Edinburgh	Construction Skills 0141 810 3044 Email: chyrel.lennox@cskills.org

Glasgow Science Centre	Exciting CPD programme designed to improve teacher knowledge and provide inspiration for teaching science using cross cutting themes, including 'Thinking Science' & 'Unlocking Creativity in Science'	Range of dates – see website for details	All teachers	Glasgow Science Centre	www.glasgowsciencecentre.org.uk 0871 540 1000
'Climates for Change' ASE Scotland Annual Conference 2008	Good practice conference organized through the Association for Science Education Scotland, including Technician's Conference	07 & 08 March 2008	All Science teachers & technicians	Crieff Hydro Perth	www.asescotland.org.uk

Useful WEB SITE Contacts

Primary	www.knexusergroup.org.uk www.ecoschoolsscotland.org.uk
Primary & Secondary	www.sserc.org.uk www.scienceeducation3-18.com www.sstn.co.uk www.sciencetransitionsscotland.org.uk www.setpointsscotlandseas.org.uk www.eco-prize.org.uk www.info.cancerresearchuk.org/youthandschools/scienceoftomorrow/ www.shapethefuture.org.uk
Secondary	www.webelements.com www.bbc.co.uk/scotland/education/bitesize www.sciencenet.org.uk
Education	www.hmie.gov.uk www.hmie.gov.uk/documents/publication/hgiosjte.pdf www.setpointsscotland.org.uk