

STEM Ambassador Newsletter

Happy New Year to all our STEM Ambassadors! Hope you had a good festive break and are now back with renewed energy! There are many, many opportunities for you to be involved with this term so please have a look overleaf at the requests from schools. Thank you to all the Ambassadors who volunteered for the couple of requests we sent out the week before Christmas. We had a great response and it was great to be able to forward names to the schools.

We are delighted that Scotland did very well at the UK STEMNET Awards which was held at the House of Lords on 13th December. Our STEM Ambassador, Nikki Cusworth, was awarded the **Most Inspirational Technician Award**, and Teacher James Murphy from St Mungo's High School in Falkirk was awarded the **Most Dedicated Teacher Award**. Nikki received the award for her work mentoring local school girls interested in technical careers, introducing primary school children to fun engineering related projects and paper bridge-building exercises in the classroom. It is fantastic that 2 out of the 4 awards were given to Scotland. Congratulations to both winners, and also to Tansy Hammerton who was one of three nominees in the Most Dedicated Ambassador Award category.



Nikki receiving her award from Lord Sainsbury

We value your opinion of the STEM Ambassador Programme. Please take 5 minutes to complete our online survey about your experiences and have the chance to win a £25 Amazon gift voucher!

Visit https://www.surveymonkey.com/s/STEM_ambassador_survey to complete the survey.

STEM Ambassador and Teacher Celebration Event

By now you should have received an invitation to our STEM Ambassador & Teacher event to be held at the Glasgow Science Centre on 31st January, from 5-7:30pm. This is our 5th Celebration Event and this year it is bigger than ever before! 37 organisations are attending to showcase resources, challenges and STEM related information to both teachers and Ambassadors. It is a great opportunity to meet other enthusiastic and motivated STEM professionals who want to make a difference!

Many requests to attend have already been received and it is anticipated we will reach maximum number of places quite soon; so if you are interested in coming along to the event, please register as soon as possible!



To register:

Email alan.kerr@glasgow.ac.uk with your contact details or

Visit www.stemscotland.com/stem-registration.html and complete the online form.

More details concerning location and organisations exhibiting can also be found at this webpage.

REQUESTS for HELP

Please see below requests from schools and STEM Providers for Ambassador help. The **requests which have additional information available are clickable** to take you directly to the appropriate section. If the school is **not** clickable, this is all the information we have on the request. To go to “Other information for Ambassadors” [click here](#). If you can help please email us at stem-ambassadors@glasgow.ac.uk or phone Gail on 0141 330 6396.

SCHOOL / EVENT	DATE	REQUEST
<u>YOUNG ENGINEERS & SCIENCE CLUBS</u>		
Clober Primary, Milngavie	Apr-June	Help with YE Club for P6/7 pupils
St Monica's Primary, Glasgow, G53	ASAP	Help with YE Club for P6/7 pupils
Swinton Primary, Glasgow, G69	ASAP	Help with YE Club for P6/7 pupils
Westerton Primary, Bearsden	ASAP	Help with YE Club for P6/7 pupils
Whiting Bay Primary, Arran	ASAP	Help with YE Club for P6/7 pupils
<u>CAREER EVENTS</u>		
Calderside Academy, Blantyre	Anytime	Careers related talks to S5 & S6 pupils on any aspect of STEM during class time.
Vale of Leven Academy, Alexandria	17 th January	Ambassadors from the fields of chemistry, physics, biology, computing and maths to talk about their careers at a 'You Can Do Anything' event for S1 pupils
Jordanhill School, Glasgow	24 th January	Assistance from Engineering, Life Science and NHS lab based Ambassadors for a careers fair for P7-S3 pupils
Cleveden Secondary, Glasgow, G12	26 th Jan 2-5pm	“Positive Futures” careers fair for S4, S5 and S6.
Barrhead High, East Renfrewshire	1 st February am	Take part in 'I can do anything day' careers event
Arrossan Academy, South Ayrshire	2 nd February 4-7pm	Attendance at “options evening” for S2, S4 & S5 pupils and parents to talk about careers
Shawlands Academy, Glasgow	2 nd February 6:30-8:30pm	Attendance at Careers evening for students and parents in S2, S4, S5 and S6.
Clydebank High School	28 th Feb	8-10 Ambassadors required for Speed Networking careers event for S1 and S5/S6 pupils
Vale of Leven Academy, Alexandria	8 th March	S1 Science Careers Event – requires 1 Physicist, 1 Chemist and 1 Biologist
Doon Academy, East Ayrshire	13 th March, am	Provide 10-15 minute interactive presentations relating to your work to P7 pupils from local primary schools at a Careers Morning. Groups rotate round the stations to see the variety of career opportunities available.
King's Park Secondary	22 nd March, am	3 Ambassadors from different business backgrounds to discuss how STEM Subjects are relevant to the World of Work.
Glennifer High School, Paisley	27 th March, am	Careers Event. Ambassadors first lead pupils in groups through prepared skills development & team building activities then take part in a Q&A session about careers
Holy Cross High School, Hamilton	Date tbc	8-10 Ambassadors required for Speed Networking careers event for S2 pupils
<u>SCIENCE FAIRS & CLUBS</u>		

Glengowan Primary, Larkhall	ASAP	Help to set up and run a Science Club.
Colquhoun Park Primary, Bearsden	Friday afternoons, 2-3pm	Help with science club working towards CREST Star Investigators Award
St Andrews and St Brides High School, East Kilbride	7 th February 7-9pm	Ambassadors to provide 20-25 minute workshops for a "So you wanna be a Brainiac" family event
Carlbar Community Campus, Barrhead	20 th -24 th February	Bring activities suitable for primary and/or pre-school to School Science Week
Ballantrae Primary & Colmonell Primary School (South Ayrshire)	8-18 th March	Assistance with "Water" (rivers, bridges, water flow etc.) topic for school science week at both primaries
Machanhill Primary, Larkhall	12-17 th March	Give talks, demos or hands on activities during School Science Week.
Holy Family Primary, Bellshill	12-16 th March	Assistance with workshops/presentations during NSEW 2012 to make science fun and help stimulate interest
Glengowan Primary, Larkhall	14th-16th March	Help with Science week for a day to carry out Science activities across all stages.
Lennoxton Primary, East Dunbartonshire	March 2012	Discuss ideas for National Science and Engineering Week, for P3 class. Theme is "Our world in motion".
Bearsden Primary	Sat 21 st April	Ambassadors to provide 'fun' activities for school's science and engineering day.
Troon Primary, South Ayrshire	8-11 th May	Ambassadors to give talks, demos or hands on activities during School Science Week.
GLASGOW SCIENCE CENTRE		
Sustainable Science	8-9 th March	Help with ECO School activities
Science of Sport 2012	April 2012	Help with Easter holiday activities on theme of Sport
GENERAL REQUESTS		
Various schools, see section	ASAP	Assist schools with their European Space Agency CanSat competition entry involving the design and build of a functioning satellite within a drinks can
Junior Saltire Prize	ASAP	Ambassadors with an interest in marine renewables to act as mentors/advisers to schools taking part
St Machan's Primary, Lennoxton	ASAP	Ambassador to give a renewable energy talk and perhaps a workshop using the SCubes for P7
St Xaviers Primary, Patna, East Ayrshire	Now until March	Various, see section
Hurlford Primary, Ayrshire	Jan-April	Help with various topics, see section
Clober Primary, Milngavie	Various	Requests for help for P2-P7 classes. See section
Notre Dame High School, Glasgow	Wednesdays 3-4pm	Looking for speakers for Café-Sci events – see section
Grammar Primary, Ayr	Jan – April	Help with P4 topic on "Transport"
Vale of Leven Academy, Alexandria	January onwards	Various requests for help, including: Liquid Nitrogen demonstration SCubes workshop CSI Interdisciplinary S1 Event Nuffield Bursary Placements request
The Tall Ship, Riverside Museum	15 th March	Ambassadors with a chemistry, physics or engineering

Glasgow		background to oversee hands-on experiments and activities for 'Let's get experi-MENTAL' event
South Lanarkshire Maths Day at David Livingstone Memorial Centre, Blantyre	18 th May	Ambassador who has worked on Maths related Ambassador activities to talk to South Lanarkshire Maths teachers on their experiences
LAB IN A LORRY		
Pitlochry High School, Perthshire	23rd Jan	Help with Physics Experiments on board Lorry
Glenalmond College, Perthshire	24 th Jan	Help with Physics Experiments on board Lorry
Dumbarton Academy	31st Jan – 2nd Feb	Help with Physics Experiments on board Lorry
Aberdeenshire schools	6 th -10 th February	Help with Physics Experiments on board Lorry
Balforn High School, Stirlingshire	22-24th Feb	Help with Physics Experiments on board Lorry
St Maurice's High, Cumbernauld	29th Feb - 2nd Mar	Help with Physics Experiments on board Lorry
Preston Lodge High, Prestonpans	6-7th Mar	Help with Physics Experiments on board Lorry
Garnock Academy, Ayrshire	8-9 th March	Help with Physics Experiments on board Lorry
St Joseph's Academy, Kilmarnock	12-14th March	Help with Physics Experiments on board Lorry
Aberdeenshire schools	19-28 th March	Help with Physics Experiments on board Lorry

Young Engineers and Science Clubs, Glasgow

Young Engineers and Science Clubs Scotland (run by SCDI) has a large number of activities for Clubs, ranging from forensics to ping pong ball challenges. Many primary school teachers struggle with the practical elements involved in a club and would very much value some Ambassador support. You do not need to attend on a weekly basis, even a one-off visit would be a tremendous boost to a club.

If you can offer any assistance to the clubs listed you would be very much appreciated. For more information on YE&S Clubs visit their website at <http://www.yecscotland.co.uk/>. If you would like to help out with any of the clubs please let us know. ([back to list](#))

Cleveden Secondary, Glasgow, G12

Cleveden Secondary school is hosting a "Positive Futures" fair on Thursday 26th January for S4, S5 and S6. This will be an information afternoon for all pupils who may decide to leave in the summer and would be looking to gain as much information about the options open to them.

This event will take place from 2:00 -5:00pm, with pupils being allocated a specific time to attend. Pupils will be prepared on what to expect beforehand. The school would like a number of Ambassadors to attend this event and share the opportunities that are available to young people. If possible, they would be looking for Ambassadors to have a stand at this event, presenting any information that you believe to be relevant to the pupils, but this is not essential.

If you would like to take part in this event please let us know. ([back to list](#))

Barrhead High School, East Renfrewshire

Barrhead High hosts an annual event 'I Can Do Anything' which aims to combat gender stereotyping whilst also helping to raise the aspirations of our young people before their subject option choices in S2.

This year the event is on Wed 1st Feb from 8.45am until 12.20pm, over two sessions. The format of the day includes groups of pupils having the opportunity to ask '20 questions' of each of Ambassadors (and other delegates), who may only respond with yes or no answers. Pupils will then try to guess the job of each person. Once completed, each person will reveal their job whilst giving information about how their career path - no power points just very informal with only about 3 minutes per person to sell their job as it were.

The school is especially keen to have females working in what would be considered "typical male" environments and vice versa if at all possible to promote the equality agenda in the school.

If you would like to take part in this event please let us know. ([back to list](#))

St Andrews and St Bride's High School, East Kilbride

This school is hosting an evening event for P7 pupils from the local primaries called "So you wanna be a Brainiac"? It will involve pupils visiting the school for 2 hours (with their families) and taking part in various fun science activities. The aim is to promote Science and Maths to these pupils and their families to make them more interested in this subject when they attend the secondary school. The organizer of the event is looking for 20-25 minute Workshops that pupils can take part in to be provided by Ambassadors.

The evening lasts from 7-9pm on Tuesday 7th February with Workshops taking place from 7.15pm-7.45pm, 7.50pm-8.20pm, 8.25pm-8.55pm.

Examples of workshops booked already:

- "Journey to the Centre of the Earth" Geology Workshop
- "Indiana Jones & the Raiders of the Lost Past" – Archaeology. Find out what scientific techniques are used to understand the secrets of the past from site discovery to skeletons and take part in an archaeological dig to discover the secrets of our past!
- "Exploring the Dark Side of the Universe". Workshop on Dark Matter & Dark Energy

If you have such an activity to offer, or would like to take along KNEX or the SCube solar panel boxes you would be made very welcome! If you are able to provide a workshop please let us know. ([back to list](#))

Machanhill Primary, Larkhall

Machanhill Primary School is hosting Science week during National Science and Engineering Week and would like help with the following topics:

P3 and 4 - Body parts
P5 - Chemical reactions
P6 - Forensics
P7 - Alternative energy - wind farms, solar power

If you are interested in being involved in providing talks, demos or activities for any of these topics please let us know. ([back to list](#))

Bearsden Primary, East Dunbartonshire

Bearsden Primary School is hosting a family day on 21st April and the theme is simply "Science". The age group involved will be primary age (5-11) children, but there are also likely to be older siblings and parents present too. The Glasgow Science Centre is providing three shows at the event - all around the theme of the body.

The school would be delighted to incorporate any interesting science topic to their event - perhaps something about the brain (real specimens in jars would be brilliant) or something technology or engineering related would be fantastic (the event is lacking in these areas). Anything that would engage the children and teach them something about science would be appreciated.

If you are interested in being involved in this family day please let us know. ([back to list](#))

Troon Primary, South Ayrshire

This school is hosting a Science Week from Tuesday 8th to Friday 11th of May. They are looking for Ambassadors to participate in any of the following topics:

Nursery & P1: Living and Growing	P2: The Senses
P3: Mini-beasts	P4: Light and Shadow
P5: Materials from Earth	P6: Conservation and Pollution
P7: Renewable Energy	

If you are able to provide a workshop or a talk on any of these topics please let us know. ([back to list](#))

Glasgow Science Centre

Sustainable Science 8th and 9th March 2012

The GSC is running two days of eco activity for schools in March. If you have a drop in eco activity suitable for upper primary children that you'd like to bring along please get in touch.

Science of Sport 2012

The GSC is putting together an exciting programme of activities for visitors starting in the Easter holidays. The general theme is sport but could include any of the following: Sport Science, Physiology, Materials Science, Sport technology, Health Sciences. The team would like to make contact with experts in any of these fields who might like to run some public engagement activities at Glasgow Science Centre. They would also be keen to support research in these areas; visitors are always willing to take part in activities that help researchers gather data so if you have a project that you feel might benefit then please get in touch.

If you would like to be involved either of these activities please get in touch with us. ([back to list](#))



CANSAT competition

The following schools are looking for Ambassadors to assist with their European Space Agency CanSat competition entry involving the design and build of a functioning satellite within the confines of a drinks can. This can be a school visit or email support. Particularly looking for people with a knowledge of any of the following: microelectronics, C programming, 12C and SPI serial interfacing for VLSI components or mechanical/aeronautical engineering. Details can be found at http://www.fistraltraining.com/index.php?option=com_content&view=article&id=115&Itemid=75:

- Greenfaulds High School (Cumbernauld)
- Lomond School (Helensburgh)
- Largs Academy, North Ayrshire
- Vale of Leven Academy, Alexandria
- Dumbarton Academy, West Dunbartonshire
- Carrick Academy, South Ayrshire
- Hutchesons' Grammar, Glasgow

If you would like to be involved in this project and act as a mentor/advisor please get in touch with us. ([back to list](#))

Junior Saltire Prize



In 2010, the Scottish Government set up The Saltire Prize, as Scotland's £10 million challenge to accelerate the commercial development of marine energy. To help raise the profile and awareness of this prize and the opportunities that Scotland has to exploit its marine renewables potential, the Scottish Government is again funding the Junior Saltire Prize Award for 2012. The award is being managed by Skills Development Scotland (SDS) in conjunction with SCDI. STEM Ambassadors are required to act as mentors as mentors/advisers to schools taking part (not necessarily face to face, maybe via email, phone, Skype support).

The design brief for secondary school pupils is as follows:

- S1-S3 pupils are asked to design and build a simple wave powered generator and to construct a model wave machine to work in conjunction with the generator.
- S4-S6 pupils are asked to design and build a wave machine, a wave generator and a model to demonstrate the transmission of the power to light LEDs.

Schools have to register to take part by 31st January 2012, with blueprint designs submitted by 29 February. If you would like to be involved in this project and act as a mentor/advisor please get in touch with us. ([back to list](#))

St Xavier's Primary, Patna, East Ayrshire

The school would like help with the following topics:

P1-4 Sciences 'Push and Pulls', 'Forces on toys'	January-February 2012
P1-4 Technologies "Moving objects, design a game"	January-February 2012
P1-4 Sciences "Biological systems"	March-April 2012
P1-4 Technologies "3D objects with moving parts"	March-April 2012
P5-7 Science/Food Technology	January-February 2012
P5-7 Space	March-April 2012

If you would like to assist with any of these topics please get in touch with us. ([back to list](#))

Hurlford Primary, Ayrshire

Looking for help with a variety of topics from January onwards:

P1- Materials – floating and sinking	January-April 2012
P2- Toys and Magnets	January-April 2012
P4/3- Forces and Friction	January-April 2012
P6- Forces and Friction	April -June 2012
Help and ideas for 'Eco Week'	Week commencing 17th April 2012

If you would like to be involved please get in touch with us [\(back to list\)](#)

Clober Primary, Milngavie

Clober Primary would like Ambassador support for the following topics:

Class	Area of Science	Approx time of visit
P2	Living Things	ASAP
P3	Heating and Cooling	ASAP
P4	Electricity & Energy	ASAP
P5	Friction, Growing Plants	Any Term
P6	Electricity	Jan – April 2012
P7	Energy Conservation Sustainability	Any Term
Class	Area of Technology	Approx time of visit
P5	Moving Heavy Objects	Jan – April 12
Class	Area of Mathematics	Approx time of visit
P5	Fractions	Jan – April 12
P6	Fractions	Oct 11 - April 12
P7	Decimals & Percentages	Jan – April 12 or anytime

If you can help with any of the topics listed please get in touch with us. [\(back to list\)](#)

Notre Dame High School, Glasgow

Notre Dame High School is looking for Ambassadors to help with their Junior Café-Scientifique events. These are run on Wednesdays after school and they would like to have Ambassadors give a short talk on any of the following topics and then answer questions:

- Cosmetics
- Neurology
- Forensics

If you would like to provide talks relating to any of the above topics please get in touch with us. [\(back to list\)](#)

Tall Ship, Glasgow

“Let's get experi-MENTAL” on Thursday 15th March, from 10:30am-12:00 and 1:00pm-2:30pm

The Tall Ship has teamed up with the staff of the Strathclyde Institute of Pharmacy & Biomedical Sciences and STEM ambassadors, to offer 2 half-day programmes packed with exciting science and engineering experiments for Primary 4-7 pupils from the local area. Each experiment is cleverly based on the materials available to the crew onboard the ship over 100 years ago. Amongst other things, pupils will discover how to polish the ship's brass portholes using simple everyday products, choose the most suitable material for a ship's sail and attempt generate their own electricity! All activities have been developed in line with the Curriculum for Excellence and aim to introduce pupils to the wonderful world of science before they move into secondary education.

There will be 8-10 experiment stations, mainly chemistry based and the organisers are looking for 2 volunteers per station. If you would like to help out at this fun filled day, let us know! ([back to list](#))

Lab in a Lorry

Lab in a Lorry is an interactive mobile laboratory, run by the Institute of Physics, which gives 11-14 year olds the opportunity to explore science through open-ended experiments. Volunteers guide the students through the experiments (oil and viscous liquids, sound and resonance, light scattering and colours, climate change and energy sources, optoelectronics) and makes sure everyone gets to be involved through hands on experience.

As an Ambassador you will oversee an experiment for the day. You receive training on the Lab beforehand and the organiser sends you all the background material in advance. Ambassadors commit to a minimum of one full school day but you are welcome to come along for as many days as you like. Please see the Requests table above for schools and dates in our area. If you would like to be involved please get in touch with us – you don't have to be a Physicist to take part! ([back to list](#))



Vale of Leven Academy, Alexandria

Vale of Leven Academy is very keen to engage with STEM Ambassadors and has asked for a variety of Ambassadors to help out:

- **“You Can do Anything” Careers Event for S1 pupils 17th January.**

This consists of two sessions: 1) “Guess the Profession” where each Ambassador will give a brief description of their “typical” day (less than a minute). Pupils will be asked to match the speaker to their profession. 2) “Meet the Speakers” where pupils will break into smaller groups and Ambassadors will spend approximately 10-15 minutes with a group, introducing themselves, and discussing their job with the group.

- **S1 Course Choice Event 8th March**

The Science department is organising a careers event prior to S1 pupil choosing their subjects. They would like pupils to be as well informed as possible on the different Science related careers. They would be keen to have 3 ambassadors (1 Physics related, 1 Chemistry related and 1 Biology related) to present to all of S1 (around 20 minutes each) on jobs related to each Science subject and a bit about themselves. The ambassadors would do the same talk twice to half the year group at a time.

- **One off Visit to S1 Science Club – Liquid Nitrogen Demo**

The Science dept would also like an Ambassador to visit the S1 Science Club on a Tuesday lunchtime (although they can be very flexible and can alter the day the club runs to suit Ambassador) to do an interactive hands on demonstration with liquid nitrogen and dry ice. Substances the pupils love but difficult for teachers to get hold of. Ambassador would be required to provide liquid nitrogen (Science Connects can help with this). Depending on the

day the teacher could perhaps extend the visit to classes to make the most out of the visit.

- **S2 Physics Enrichment Class - SCubes**

The teacher would like an Ambassador to visit this class with the SCube Solar boxes. This is a Physics class that is following an enriched ACfE Curriculum course and the pupils have time in their timetable for an enriched Physics linked experience. If any Ambassador has additional ideas for an enriched Physics experience please let us know.

- **CSI Interdisciplinary S1 Event – May 2012**

The school would welcome a real Forensic Expert to come to this 1 day event in May 2012 to kick off the event with a talk about Forensics and then help out with the various labs provided.

- **Nuffield Bursary Placements**

The school is looking to locate research projects for pupils to participate in over their summer holidays as part of the Nuffield Bursary scheme. Pupils have intimated an interest in Optometry, Biomedical Engineering, Electrical Engineering, Maths, Mechanical Engineering, Biochemistry and Chemistry. If you are interested in providing a summer placement in any of these areas please let us know.

For more information visit www.nuffieldfoundation.org/scb

If you can help with any of these requests please get in touch ([back to list](#))

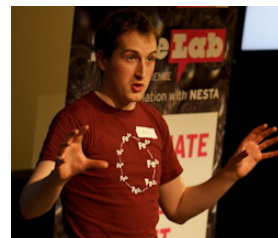
Other information of interest to Ambassadors...

Famelab Congratulations!

We are delighted that one our STEM Ambassadors, Jamie Gallagher, has won the Scotland Heat of FameLab UK 2012, the competition to find the new voices of science communication.

Jamie, a PhD chemistry student at Glasgow University, had just three minutes to pitch a complex scientific idea to the panel of judges, and he wowed them with his two presentations, one on toothpaste and titanium dioxide and the other on thermoelectric semiconductors. Jamie wins a place at the UK Grand Final, to be held at the Royal Institution on 21 March 2012. The winner will receive £1000 for themselves and up to £750 to spend on a science communication activity, whether it's attending a conference, further training or developing a public event or activity.

Well done Jamie and good luck in March!



Society of Biology



Information on competitions organised by the Society of Biology you may wish to share with schools you are working with:

2012 Biology Challenge

Aimed at S2/3 pupils, the Biology Challenge is an online competition for schools which takes place during 5th-23rd March. The competition aims to encourage an interest in biology beyond the school curriculum and consists of two 30 minute papers to provide schools with flexibility and maximise participation. Gold, Silver and Bronze Award Certificates will be awarded to schools and top scoring pupils will be presented with prizes at a ceremony in London.

Full details and a registration form can be found at: www.biology-olympiad.org.uk and clicking the Biology Challenge link. Registration closes: 31 January 2012.

British Biology Olympiad

Aimed at pupils aged 16+, the first round of the 2012 British Biology Olympiad will take place from 6-10 February. This will consist of a multiple choice paper taken online in schools. The paper will test the majority of UK specifications and contain a few questions on topics beyond. 100 top scoring students will be chosen to take part in the second round and following this, 16 students will be invited to take part in the finals at the University of Birmingham. The top 4 students will represent the UK at the International Biology Olympiad in Singapore. Full details and a registration form can be found at: www.biology-olympiad.org.uk and clicking the British Biology Olympiad link. Registration closes: 17 January 2012.

IET Funding

The Institution of Engineering and Technology (IET) is committed to promoting enthusiasm and understanding of STEM subjects in young people and, as part of this commitment, offers funding to support local education projects. The IET Education Fund is an annual fund, and will be accepting bids for funding from 1 January 2012 to 9 March 2012 for projects taking place May 2012 to 30 April 2013. Awards of up to £5000 can be offered.

Eligible projects must help to engage UK-based students aged 5-19 with Science, Technology, Engineering and Math (STEM) subjects, and projects must involve more than one educational establishment.

For more information and an application pack, please go to www.theiet.org/fund

National Science and Engineering Week 9-18 March

This year's theme 'our world in motion' has loads of potential for great events. From the Earth's orbit to the movement of neutrinos, and from human migration to the Olympic games, the theme will be used during NSEW 2012 by the huge variety of organisations who get involved.

The brand new 'Move It' activity pack has some inspiring out of the box activity ideas and can be downloaded for free from the British Science Association website. Activities in this pack have all been designed for use in discrete 20-60 minute class or science club sessions. The mixture of short, fun experiments can be a great way of doing hands on science activities as part of National Science & Engineering Week events. All activities are around the theme of motion and encourage young people to build, move and discover how things move in the world around us, using resources that can be sourced cheaply and easily.

Visit <http://www.britishscienceassociation.org/web/> for lots more useful information on NSEW and the Move It pack



Royal Society of Chemistry – Spectroscopy in a Suitcase

The Royal Society of Chemistry has a great new project that has recently arrived in Scotland called "Spectroscopy in a Suitcase" See <http://www.rsc.org/education/hestem/sias.asp> for more details. The RSC now has two brand new spectrometers (one IR one UV-vis) which they can either send out to schools or can arrange for trained STEM Ambassadors to go out to schools and run workshops on spectroscopy. Any teacher that wishes to borrow the kit for eg using in Advanced Higher projects will need to attend a training course first. If you are interested in being involved in this project please let us know and we will put you in touch with the appropriate person at the RSC.

Information on this resource will be available at the Celebration Event on 31st January.

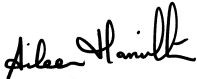
Induction Training

If you have not already undertaken your induction training, the next session will be run on **Tuesday 17th January at 3:00pm** at the University of Glasgow although places are extremely limited at this session. To register for an induction please email or call us and we will confirm your place. The training will last around 2 hours and will enable you to complete your disclosure form also. The next training will be held on 21st February.

This is a huge list of requests and we would very much like to fulfil all of them. If there is a request that you would like to volunteer for but are maybe a bit unsure, please do let us know and we can try to “buddy” you up with another Ambassador or else enable you to meet with the teacher beforehand to discuss the request in more detail.

Lastly, please do remember to record your activity at www.stemnet.org.uk or drop us an email with the activity and we will do it for you.

Regards



Email: aileen.hamilton@glasgow.ac.uk