



Feedback

Your feedback is really valuable and if you take part in an activity please take time to complete STEMNET's survey form as applicable

http://www.keysurvey.com/survey/414011/171b/?LQID=1&sub=Lancashire&rgn=North_West AMBASSADOR Feedback Survey

http://www.keysurvey.com/survey/423634/6e0f/?LQID=1&sub=Lancashire&rgn=North_West TEACHER / School Feedback Survey

Requests for Ambassadors Edition 18 – (New Opportunities)

Date & Time	School/Venue	Age/Yr Group	Title and Brief Description of Activity
Monday 25th June 2012 12.30 – 2.30	Woodland Conference Centre, Chorley, Heads Of Science Meeting	Teachers	Teacher Speed Networking An opportunity for STEM Ambassadors to speed network with a group of teachers who are Heads of Science. Talk about yourself, what you do, career path, company you work for etc., over and over again for about an hour. Nice informal fun environment no preparation required – just bring yourself! Lunch provided at 12.30.
As soon as possible to be mutually agreed	McKee Centre Pupil Referral Unit Poulton	Small group Age 11-14	Forensic Science I am currently working on a STEM project to introduce Forensic Science to students in KS3. KS3 are taught in a mixed group of years 7-9. As the only Science teacher I try to make all the lessons as hands on and as exciting as possible, however a STEM ambassador to talk about Forensic Science would give the students the chance to have a different face in front of them. A welcome change! It would also make the subject a lot more relevant and exciting.

<p>Between mid-June and mid-July 2012</p>	<p>Initial meeting at Whitworth High School and then further support at the school of your choice listed below:-</p> <p>Palatine Community School Blackpool</p> <p>Sir John Thursby Burnley</p> <p>Southlands High School Chorley</p> <p>Ripley St Thomas Academy Lancaster</p> <p>Lytham High School</p> <p>Park High School Colne</p> <p>Ashton Community Science College Preston</p> <p>Ribblesdale School Clitheroe</p>	<p>Group Size Approx 20 per school</p> <p>Age 11-14</p>	<p>LEGO- Man In Space - Multi School Challenge! How high into space can a STEM club get a Lego man?</p> <p>Are you ready for the challenge?</p> <p>Whitworth Community High School has run a successful and vibrant STEM club for two terms and has a full programme planned for the Summer Term. The school is now ambitious to run its first large STEM project. With support from the STEM clubs network they are laying down the gauntlet with this STEM challenge to other local schools.</p> <p>Each school taking part will be supplied with helium gas.</p> <p>There will be a kick-off meeting at Whitworth on the 14h June and the actual LAUNCH INTO SPACE will occur on 12th July</p> <p>At the meeting on the 14th June there will be the following:</p> <ol style="list-style-type: none"> 1) Introduce the project, presenting the work done by the Canadians and Romanians 2) Present the video from the trial launch and display the equipment used 3) Present Whitworth's findings and thoughts on how to improve 4) Set the challenge to reach the greatest height and set the competition rules 5) Offer of weather balloons and gas. <p>Prizes will be given for:</p> <ul style="list-style-type: none"> - the school that can reach the highest altitude - the school producing the best film footage - the school recycling the most equipment
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	All Saints Catholic High School Rossendale Whitworth High School		<p>AMBASSADOR Mentors are wanted by ALL School listed for this project - the amount of support and time commitment is purely down to you to agree with your chosen school.</p> <p>Can you take up the challenge? Let us know which school you would like to support when you respond!</p>
24th October - 8:45 am to 3:15pm	Darwen Aldridge Community Academy Sudell Rd Darwen Lancashire BB3 3HD	Group Sizes vary Age 16	<p>Sixth Form Science - Chemistry, Physics, Biology - What can I do with that?</p> <p>Darwen Aldridge Community Academy is holding a fantastic Science day for students from local schools.</p> <p>The day will be split into different sessions that highlight Physics, Chemistry and Biology from various real-world perspectives.</p> <p>We are looking for Ambassadors who can come and generally talk to small groups of students about what they do. Why did studying Physics, Chemistry and Biology lead them to the professions they are in and what those subjects mean in practice?</p> <p>Anyone who has a mini workshop, wants to bring something from their workplace that illustrates what they do or who can relate their job to the laws of physics or the periodic table are also really very welcome!</p> <p>We are NOT just looking for pure scientists but those jobs that use science - engineers, technicians, researchers, architects, pilots - you name it we want you at DACA!</p>
As soon as possible	Lancaster Girls Grammar School	KS 3 11-14	<p>Mentors: Go4SET</p> <p>We are looking for volunteer Mentors with knowledge of STEM subjects to Mentor our Go4SET teams of 6 students and a Teacher from Lancaster Schools. The Mentors are the Project Management experts and offer industry advice on the environmental project which is based within the school, for example Energy use in the school or The Business of Recycling in the school. The project lasts 10 week and we ask the mentors to attend at</p>

			<p>least three visits and have regular email communication with the teacher and the team throughout, as well as organising a company visit, if possible during the project. They are also integral in offering project advice and guiding the students with project management tools such as GANT Charts and Project Reports, all of which are assessed on the Celebration and Assessment Day which will be held in the summer.</p> <p>This activity is excellent engagement with students at Key Stage 3 (11 – 13 year olds) and counts towards professional mentoring with the professional institutions. It is also an excellent way to promote your company/organisation in the local community and inspire students into practical and hands on STEM experiences for further study and employment.</p>
18 & 19 June	Ashton Community High School for Lancashire Science Festival	KS3 11-14	<p>Lab In A Lorry</p> <p>Lab in a Lorry is an interactive mobile laboratory which gives young people (11-14 year olds) the opportunity to explore science through open-ended experiments. Volunteers guide the students through the experiments (optoelectronics and medicine, sound and resonance, light scattering and colours, oil and viscous liquids) and make sure everyone gets to be involved through hands on experience.</p> <p>You'd be asked to oversee an experiment for the day. We send you all the background material in advance and on the morning of an event you receive full training on the Lab. We ask that volunteers commit to a minimum of one full school day, but you are welcome to come along for as many days as you like. In return you'll have a rewarding and unforgettable experience, receive some IOP freebies and also be awarded affiliate membership to the Institute of Physics for a year www.labinalorry.org.uk</p>
20 & 21 June	To be confirmed for Lancashire Science Festival	KS3 11-14	Lab In A Lorry
25 & 26 June	Manchester Communications Academy Harpurhey	KS3 11-14	Lab In A Lorry
5 & 6 July	Montgomery High School	KS3 11-14	Lab In A Lorry

	All Hallows Road Blackpool		
22nd June - between 9am and 3:15pm	St Bede's High School Livesey Branch Road Blackburn BB2 5BU	Group Size is 150 but split into smaller groups	<p>Fire and Light</p> <p>St Bede's would like for some Ambassador support for 22nd June for an event about 'Fire and Light' linked to the Olympic torch.</p> <p>There will be lots of activities but St Bede's would like at least one of the activities to be science based.</p> <p>At the same event children will be learning an event in Sign language and a dance to be performed in Blackburn Town Centre the following day.</p> <p>Do you have a small activity you could suggest? Or just offer your experience and expertise? Then please get in touch</p>
21st – 30th May (2 hour session at some point between these dates).	Possibly a Morecambe school	11-14	<p>STEM Challenge 10</p> <p>Can't believe that we have arrived at the 10th challenge. This is a Science and Maths challenge. Briefly:-</p> <p>STEMNET and Cisco are challenging 11-16 year olds to use their Maths and Science skills to plan a major sporting event in their local area.</p> <p>The Challenge is to plan a major sporting event that would transform your local area and showcase local and national talent. Teams of 4-6 students must choose a sport and a venue or location, and work out what resources, facilities and equipment would be needed for the event.</p> <p>As with all STEM Challenges, teams will present their project at a STEM Challenge local judging event.</p> <p>Ambassadors are required to judge the session which will take place between the 21st and 30th of May. We are not sure yet but the venue is likely to be Morecambe. If you are provisionally interested please let me know and I will provide firmer details as soon as they are available. This will be after 15th of May when the entries close. The session will last no more than 2 hours.</p>

Requests for Ambassadors Previously (Opportunities previously advertised but still available)

Date & Time	School/Venue	Age/Yr Group	Title and Brief Description of Activity
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Flexible Mon afternoon 2pm - 3pm Thursday mornings 11-12	Ashton Community Science College Ribbleton Campus Ribbleton Hall drive Ribbleton Preston PR2 1SL	Age 15-12 Group size 27	Science in Medicine Are you in the medical field? Could you deliver a presentation to students on the risks of drug treatments and physical therapies? The presentation could include:- Risks and dangers of anti-inflammatories, analgesics, antibiotics, anti-depressants, cancer drugs or chemical replacements. Risks and dangers involved in organ transplant, radiotherapy, blood transfusion, vaccination, laser therapy and alternative therapies such as acupuncture.
21, 22, 23 May	Lostock Hall Academy, Todd Lane North, Preston, PR5 5UR.	KS3 11-14	Lab In A Lorry Lab in a Lorry is an interactive mobile laboratory which gives young people (11-14 year olds) the opportunity to explore science through open-ended experiments. Volunteers guide the students through the experiments (optoelectronics and medicine, sound and resonance, light scattering and colours, oil and viscous liquids) and make sure everyone gets to be involved through hands on experience. You'd be asked to oversee an experiment for the day. We send you all the background material in advance and on the morning of an event you receive full training on the Lab. We ask that volunteers commit to a minimum of one full school day, but you are welcome to come along for as many days as you like. In return you'll have a rewarding and unforgettable experience, receive some IOP freebies and also be awarded affiliate membership to the Institute of Physics for a year www.labinalorry.org.uk
June or Early July	Audley Junior School Queen's Park Road Blackburn BB1 1SE	Yr 5 Age 9-10	Musical Instruments Year 5 have asked if they can make a request for a STEM Ambassador to help with their DT topic on musical instruments. They would like someone to come in and work with all four Yr5 classes if possible. Their objective is to plan and make a musical instrument which the children lack ideas for. We hoped there may be someone who could offer more creative ideas to the children and perhaps explain the workings and construction of some instruments. They plan to teach this topic next half term and would love it if an Ambassador could come into school in June/early July. I hope you can help with this request.
Tuesday 3rd	West Craven	Year 9	STEM Day - Inspire the Next Generation

July 2012 - morning from 8:45am - 1:15pm	Technology College Kelbrook Road Barnoldswick Lancs BB18 5TB	Age 13-14 Group Size 40 students	<p>West Craven would like to inspire their students to the world of STEM. The students are about to make their option choices.</p> <p>Can you support a careers / speed networking session with small groups of students?</p> <p>This is an ideal opportunity to talk for 4-5 minutes with pairs of students about STEM, your background, the route you took to reach your current role and how fantastic a career in STEM can be!</p> <p>This is an ideal opportunity for novice as well as experienced STEM Ambassadors as no preparation is required however if you would like to bring along a 'prop' which illustrates your job or the product / service or sector you work in then that would be great.</p>
On any Tuesday in June/July 11.15-13.15	Fleetwood High School	Yr 10 Group Size 90	<p>Science Fair</p> <p>A circle of stands from various science careers/progression/education with hands on activities/talks about routes into science courses and careers. The aim of the event is to enthuse pupils about science and encourage them to take up further education or a career in a science. I'm looking for about 5-10 stands to do ten minutes for 6-10 groups, in two, one hour sessions between 11.15 - 13.15.</p>
Eco Event - Saturday 16th June, 10am - 2pm All other support at a time of the Ambassadors convenience up to 2 weeks prior	St Christopher's High School and Sixth Form, Accrington Queens Road West Accrington Lancashire BB5 4AY	Age 9-18	<p>St Christopher's Summer Eco Fair</p> <p>This will be the 3rd Year that St Christopher's run a 'green' eco fair for our community and primary schools. This is an ideal platform for local businesses to show off their eco credentials, how STEM and Eco fit together and to help bring the community together and move forward towards a sustainable future.</p> <p>Each year 12 Primary Schools compete for the 'Eco Factor' prize. Activities have included time trials of 'green activities', sorting rubbish, composting the correct waste, carrying ware as far as some African children have to do etc.</p> <p>They also enter the 'Green Dragons Den' in order to show off products they have designed and produced from recycled materials. We would like STEM Ambassadors to get involved to be Dragons and quiz the students on their green knowledge and design choices.</p> <p>We would also appreciate some support before the event in order to give the students an over</p>

			view of what eco, green and sustainability means in the real world of business and industry.
June 26th 2012 8:45am - 3:10pm	Ripley St Thomas Academy Lancaster	Yr 9 Age 14 240 students	<p>STEM Day Ripley St Thomas at Lancaster are hosting an interactive, hands on STEM day for their Year 9 students and also students from other neighbouring schools. They are looking from STEM Ambassadors to talk about careers in aerospace, aerodynamics or design to small groups of students for up to 1hour - 1hour 30mins at a time. This can include mini hands on activities, ambassadors Q&A, presentation or anything you think would be appropriate to illustrate your careers, your job and the aerospace and design industry. Physicists, astrophysicists and all STEM Professionals related to rockets, space, aerospace and design please! Organisations Involved: Ripley Saint Thomas but includes Lancaster Girls and Skerton</p>
28 – 30th June 2012	University of Central Lancashire - Preston	5-19 and beyond	<p>Be Part of the UK's Newest Science Festival! The Lancashire Science Festival invites you to enthuse, excite and educate by delivering a floor show activity, workshop, demonstration or keynote lecture. The Lancashire Science Festival will take place 28th-30th June 2012 at the University of Central Lancashire's Preston campus. The theme for 2012 is REALITY. We are especially keen to showcase examples of real-life STEM research in the Lancashire region and would like to include contributions from STEM employers and organisations and individuals. The Festival is free and open to primary schools on 28th June, secondary schools and colleges on 29th June and the general public on the 30th June. To discuss your ideas please contact the Lancashire Science Festival team Phone 01772 893390 Email lancscifest@uclan.ac.uk Twitter @lancscifest Facebook www.facebook.com/lancscifest “</p>
Times will be flexible to fit in with the Ambassadors and will be during September time frame	West Craven Technology College Kelbrook Road Barnoldswick Lancs BB18 5TB	Age 14-16 Group Size up to 20	<p>Bring the STEM Curriculum to Life West Craven would really like some Ambassadors to help them bring the BTEC Science Curriculum to life! From September 2012 the students will be undertaking mini-topics on the following areas - could you help by visiting the school for a lesson and giving a real world/ wider view of these subjects? Times will be flexible to fit in with the Ambassadors and will be during September time frame. The school however would like to hear from Ambassadors NOW as they will be planning next term very shortly. 1. Green Energy - Anything to do with Wind, Biomass, Solar Power or Hydrogen fuel</p>

		<p>cells/alternative power for vehicles</p> <p>2. Electricity - transformers and electricity distribution. Also could include the safety aspects/dangers of electricity</p> <p>3. Solar system and the Big Bang</p> <p>4. Earthquakes and Volcano's</p> <p>5. Nuclear and Radiation</p> <p>Event Date/Time: September 2012 - TBE but would be one lesson per topic</p>
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