

**Request For STEM Ambassador Support 2018 3**

**DATE:** 21 February, 5 March, 14 June, date in July TBC

**TIME:** 9.20 arrival. Start 9.30 to 12.30 (with a break)

**VENUE:** Ss John Fisher and Thomas More RC High School, Gibfield Rd, Colne BB8 8JT

**TARGET AUDIENCE:** Small group of ten students – Year 10.

**EVENT DETAILS:** Mentoring: Employers from industry to act as role models to work with students in pairs/groups of 3 through a series of activities to help them start to plan for their future, raise their aspirations and develop confidence. For some of these young people, through no fault of their own, they are having a few problems in school due to circumstances at home/things going on in their lives and so really benefit from working with adults who are not teachers and who take time to listen to them and offer advice. There are 4 class based sessions to this programme and employers would be requested at each session for consistency of support.

**DATE:** Wednesday, 21<sup>st</sup> February 2018

**TIME:** **09:30 - 09:45 arrival. Start 10:00 – 16:00**

**VENUE:** Blackpool & Fylde College,

**TARGET AUDIENCE:** 16-19 Year olds

**EVENT DETAILS:** Employers from local businesses will attend to hold mock interviews with the students, preparing them for future interviews with an employer or university. General questions will be asked to give the students a real feel for an interview process with a person from the world of work. The allotted time for each interview will be 15 minutes with a further 5 minutes for any written feedback, the students benefit from this and learn how to improve on their performance. Interview questions and feedback sheets will be provided on the day.

**Burnley College : STEM A Level Session**

Burnley College have put the following request in for a STEM day that they would like help with:

1. Age group of students: Age 16 -18 years old - we are targeting AS / A2 students.
2. Number in a group - we have about 200 students studying STEM subjects. We are going to run a variety of sessions during the day and will be asking the students to sign up.
3. Objectives for the day - to give students an insight STEM after A Levels, what it would be like to study a STEM based subject at university, what careers are available with STEM qualifications, what it is like to work in a STEM based subject.
4. What you would like STEM Ambassadors to do – any particular skills/subject area that would be useful? Any STEM subject. Throughout the day we are running activities and talks on next steps. We want to inspire students to take STEM subjects at university.

**Date: Friday 23rd Feb from 10-2pm.**

**Balshaw's High School**

Church Road

Leyland

PR25 3AH

Tel: 01772 421009

I am currently organising a Careers Fair evening for Balshaw's High School in Leyland and was hoping that you may be able to attend.

The event will take place on **Wednesday 28<sup>th</sup> February 2018** from 3.30 to 8.00pm to allow both the students and their parents to attend.

**St Pius School, Barrow in Furness**

This school is looking for support to help them plan Science week and develop Science within the school. Can you offer some specific help – either in planning and guidance or on delivery of something for their Science week in March? If so then we would like to hear from you.  
5 Ambassadors required in total.

**Time: ASAP and then in March 2018**

**Kirkham Grammar – Careers Fair**

Kirkham Grammar are looking for ambassadors to have a stand at the Careers Fair to talk the students about opportunities in the STEM area, the kind of qualifications required, apprenticeships available etc  
The Careers Fair will be from 11:15 to 16:00 and will be visited by all the year groups in the school during the day. The lower school Yrs 7, 8 & 9 will attend in the morning and the Yrs 10 & 11 plus the Sixth form will visit during the afternoon.

**Date: 6<sup>th</sup> March 2018**

**Ribblesdale High School: Careers Event**

National Careers Week is coming Monday 5th March – Friday 9th March 2018.

During the week at Ribblesdale High School they would like representatives from a broad spectrum of industries to come in to school to talk to pupils across all year groups, about their job roles and the opportunities within their field. They wish to inspire our pupils, build up their career knowledge and the pathways open to them.

The talk would be for 15 minutes with 5 minutes at the end for any questions. There is access to a projector and a laptop if you would like to show a PowerPoint or video.

Would you be able to help? If you can,

STEM Ambassadors are wanted for any of the following:

Monday 5th March 8.50am – 9.10am  
Tuesday 6th March 8.50am – 9.10am  
Wednesday 7th March 8.50am – 9.10am  
Thursday 8th March 8.50am – 9.10am  
Friday 9th March 8.50am – 9.10am

**Activity Date**

**5th-9th March 2018**

**Tomorrows Engineers Robotics Challenge – Lancashire Schools Regional Finals.**

We are delighted to be supporting the Tomorrows Engineers Robotics Challenge for the third year running. The numbers of Lancashire schools involved has grown magnificently and we now need to move the regional venue to accommodate all the schools taking part.

We are looking for 20 STEM Ambassadors for each of x3 days. This event is being hosted by BAE Systems at Samlesbury in the new Educational Training Centre (ASK).

No prep is required but we need ambassadors to act as judges, mentors for the teams and to generally help out and talk to the children about STEM on an informal basis. Please help!

Students from KS3 will be working in teams of 5-8

**Activity Dates:**

**06/03/2018** BAE Systems Lancashire ASK Centre, Enterprise Zone, Samlesbury, Balderstone, Blackburn BB2 7LF 9am – 2:30pm

**07/03/2018** BAE Systems Lancashire ASK Centre, Enterprise Zone, Samlesbury, Balderstone, Blackburn BB2 7LF 9am – 2:30pm

**08/03/2018** BAE Systems Lancashire ASK Centre, Enterprise Zone, Samlesbury, Balderstone, Blackburn BB2 7LF 9am – 2:30pm

**Worden Academy Leyland**

**The careers fair is on Tuesday 6th March from 8:30am - 11am.**

This year the fair is for years 9, 10 and 11 and will be open to whole school during break time as thought it would be a good opportunity for them to think about the future. This means there will be up to 300 pupils circulating the fair over the two-hour period making it our biggest and busiest yet! Please get in touch if you can support.

**Lancaster High School: Lunch Time drop in for STEM**

Lancaster High School are running a series of lunch time drop ins for their pupils to find out about different careers. Can you pop in a talk to a mix of ages about STEM/your industry sector / you careers journey?

This is an informal session with Q&As.

**Date: Tuesday 6th or Wednesday 7th March over lunchtime (1.20-2pm)**

**Title: Careers Fair and STEM Challenge: AKS Lytham Independent School**

AKS Lytham Independent School would like to invite STEM Ambassadors to participate in our third annual Careers Fair, which will be held on Wednesday 7th March, 6pm-8pm. Last year's careers fair was a great success, with over eighty companies and institutions participating.

The purpose of this event is to highlight to students the many career, apprenticeship and higher education opportunities available to them through a range of career information stands. The event will be open to students 13-18 years of age from AKS Lytham and surrounding schools. Free refreshments will be provided for all participants.

This year, we are also aiming to run a mini STEM project in either one of our labs or our DT suite. Any practical advice or ideas or STEM Ambassador support would be much appreciated.

**Date: 7<sup>th</sup> March 6pm-8pm**

**DATE:** Wednesday, 7<sup>th</sup> March 2018

**TIME:** **08:30** for set up. **Start 09:15 – 2.55pm**

**VENUE:** Park Academy, 158 Whitegate Drive, BLACKPOOL, FY3 9HF

**TARGET AUDIENCE:** Sixth Form and Year 11 students (groups of approx. 6 students)

**EVENT DETAILS:** World @ Work Days are stimulating, interactive and entertaining work-related events designed to increase student's awareness of the range of jobs within various employment sectors. This is achieved through hands on practical experience and interaction with employers,

which will help students develop the skills and experience necessary to build a career. The event includes a number of workshops that will enhance and enrich any curriculum area introducing students to job roles from a variety of industries. Employer representatives will deliver interesting and creative activities related to their work, ensuring the students gain real-life, hands on experiences of that role and information about the practical skills they need to succeed in the world of work.

**Delph Side Community Primary – Skelmersdale**

British Science Week 2018 – Our school is classed as ‘deprived’ but are using our limited resources to put on a WOW science week this week during March 2018. We are keen to try and inspire the children with an exciting visitor/experience. Is there anyone in the STEM Ambassador group that could support us to help deliver some ‘WOW’ science activities, demos and talks please?

**When: 9 – 18<sup>th</sup> March 2018**

**Blackburn With Darwen Skills Showcase**

**Venue: Darwen Aldridge Community Academy Date: Friday 9th March 2018 Times: 8:45am - 3:15pm**

In Blackburn With Darwen we are supporting the national strategy to build a better Britain, fit for the future by investing in the skill development of young people to meet the changing needs of businesses. We would like to invite you to help us on our journey by supporting schools from the area by showcasing the skills needed in your industry at the interactive Skills Showcase event on 9th March 2018. The event has been arranged specifically to take place during National Careers Week (NCW). NCW is a celebration of careers guidance in education across the UK. The aim is to provide a focus for careers guidance activity at an important stage in the academic calendar to help support young people in their career choices. NCW encourages the bringing together of students, local employers and advisers through careers events and activities. Why should your business take part? The Hive Skills Showcase annual event aids in identifying the skill requirements your business will need in the coming years along with inspiring young people to consider a career in your sector. By attending the showcase you will raise the profile of your business to over 1000 young people from at least 10 different schools from across BWD. The event does attract a significant number of businesses and is an ideal opportunity to network. How can I get involved? Participating businesses will be grouped into zones that represent different industries. Each zone will consist of up to 3 different businesses who will showcase the skills necessary in that sector. If you wish to get involved you would need to be available for the whole day and be equipped to organise and deliver an activity that will allow young people to experience the skills required to do your job! What will happen on the day? Targeted at students from years 9 to 11 (13-16 year olds), of which there are about 1800 in BwD, the activity you plan should give students an insight into your industry and related careers. Each business will deliver an interactive activity that will create a stimulating experience of their industry. Businesses will need to come prepared with activities that the students can participate in rather than just be given information. Each session is an hour and an half and students will have been allocated 5 zones that they must visit in 15 minute windows. The last 15 minutes of each session will be an opportunity for young people to visit any particular areas of interest that they haven't yet seen for a Q&A with the businesses in the zones. There will be a maximum 30 students in any one zone at a time divided between the businesses in that zone. The first session will commence at 8.45am with the event closing at 3.15pm. Lunch will be provided with an opportunity for networking between 12pm -12.45pm.

**St Peters and St Pauls Primary School, Rishton - Science day on Monday 12th March.**

This Primary school in Rishton is undertaking a Primary Science day for their pupils on the theme of ‘CHANGE’ which is this year's British Science Week theme.

The school will be running Science based activities throughout of the day covers things like:

- CHANGING COLOURS ° Nature's colour palette ° Catch a rainbow ° Flowers to dye for
- CHANGING STATES ° Kitchen chemistry ° Alka-seltzer rocket ° Changing states: solids, liquids, gases
- CHANGING ENVIRONMENT ° Evolution: changing camouflage ° Changing like the wind ° My 'Moon Diary' ° Moving shadows
- CHANGING MATERIALS ° Money money money ° Boogie gloop ° Pop a balloon

If there is anyway STEM Ambassadors could support us with this day with a visit or resources we would be thankful.

#### **Whalley Primary School: Science Week**

Whalley primary are looking for Ambassadors to visit the week of the 12th March. The theme is exploration and discovery, looking at how science affects the environment around us. They would welcome any support with either KS1 or KS2 or both!! Could be small group, large... year groups. The more experiences the children have the better! So please come – whatever you can offer! A talk, a demo, an interactive activity or team STEM game.

**Time: Anytime w/c 12<sup>th</sup> March 2018**

#### **Coppull Primary School**

The school are looking for speakers to talk to groups of 4-11 years olds during British Science Week 12-16<sup>th</sup> March 2018. The theme is exploration and discovery but that could cover a HUGE range of things from research, to adventure, to space, to medical – can you help and talk / show the children what you do? They have also asked for any practical science activities if any STEM Ambassadors would like to provide a small demonstration or lead on a mini hands-on challenge – if you would like to help but don't have any ideas then just contact us at STEMFirst and we can point you in the direction of some easy challenges!

Date: 12<sup>th</sup>-16 March 2018 – anytime on anyday

#### **St Mary's CE School, Kirkby Lonsdale - Primary British Science week**

St Mary's Primary in Kirkby Lonsdale are wanting to run a series of workshops and activities to enhance the whole school's understanding of the world around them. This is to incorporate their own forest skills initiative in school. this includes planting bulbs, identifying trees, plants and birds and food chains at various levels. It also goes on to den building, fire lighting, knot tying and outdoor cooking. The Science week theme is Discovery and Exploration and so this fits in perfectly.

They are seeking ambassadors that would be able to help in any of these fields. They also have a small pond. Their Year 5 class are looking at Framing too, so anything within this would be great. The Year 6 will also be looking at discovery and exploration of technology and developments within that.

Keywords

Nature Trees Plants Birds Farming Outdoor education Developing technology

**Activity Date**

**Science week 12-16th March**

**Victoria Infant and Nursery School, Islay Place , Workington, CA14 3XB**

**Date:** Any day during science week- 12<sup>th</sup> March until 16<sup>th</sup> March

**Brief Description**

We are looking to get some STEM Ambassadors in during Science Week to support learners and give talks about their jobs and roles and also to support the start of a STEM club. I am currently looking into science week and making my final plans but we are hoping to do an 'engineering day' and get the parents/carers in in the afternoon.

The school is quite big but the talks could be in year groups in an almost assembly style and the other aspects if possible would be arranged once my plans were final and depending on their days of availability. I would just like some 'real life people' to have a presence in school during this week to help children have a wider understanding of STEM roles and have higher aspirations.

**Age and number of pupils taking part**

They range from 2-7

**Times of activity – full day/half day**

Dependent on age (half for younger)

**Refreshments provided**

Yes tea, coffee, juice, biscuits and option to order a freshly made lunch too

**How many STEM Ambassadors required**

Last year I just welcomed as many as would come as it was great to have a mixture of men and women in talking about their roles.

We are open to offers if people can only do a couple of hours in the specified week, I am happy to communicate via phone or email like I did last time once the request has been sent.

Also last year we had a lovely gentleman who talked to us about a 'school kit' his firm had which he could bring in to share with the children. If there were options like that I am happy to adapt.

We loved it last year and it was fantastic having them in to inspire the young children during the year of engineering!

**DATE:** Wednesday, 14<sup>th</sup> March 2018

**TIME:** 09:30 - 09:45 arrival. Start 10:00 – 16:00

**VENUE:** Blackpool & Fylde College,

**TARGET AUDIENCE:** 16-19 Year olds

**EVENT DETAILS:** Employers from local businesses will attend to hold mock interviews with the students, preparing them for future interviews with an employer or university. General questions will be asked to give the students a real feel for an interview process with a person from the world of work. The allotted time for each interview will be 15 minutes with a further 5 minutes for any written feedback, the students benefit from this and learn how to improve on their performance. Interview questions and feedback sheets will be provided on the day.

**West Lancashire College is holding a Future U Interactive Careers Fair on**

Wednesday 14 March 2018 9am-4pm for West Lancashire learners. 1500 pupils and students will be attending throughout the day and we have scheduled this to take place the week following National Careers Week and National Apprenticeship Week to take advantage of national initiatives and encourage learners to find out about their futures.

This event is for local High School Pupils Years 9 – 11 and college students years 12-13. The event aims to inspire young people from schools and the college about their future careers and opportunities. It also provides information to those looking to find out more about Higher Level studies and career progression opportunities available with employers or Universities.

The aim of the event is to raise aspirations of learners in the local area to help motivate them towards further study, employment, higher education and enable them to make informed decisions whenever choices are open to them. This will help them to understand more about the world of work and to know what skills they need to succeed. Contact with employers is crucial as it helps open their eyes to careers they may not have considered and what employers are looking for.

A wide range of Employers and college departments will showcase careers, and jobs stalls will be available for pupils to find out more regarding:

- What a job entails.
- Potential earnings for a job.
- Qualifications needed to gain employment in an occupational area.
- Progression routes within a role.
- Additional qualifications whilst on the job.
- Apprenticeships available careers.

At the event pupils/students will have an opportunity to try different activities and challenges to help inform the range of career routes available to them in a competitive job market

**DATE:** 14 March, 24 April, 7 June, 13 July

**TIME:** 8.55 arrival. Start 9.10 till 12.30 (with a break)

**VENUE:** Mount Carmel RC High School, Wordsworth Rd, Accrington BB5 0LU

**TARGET AUDIENCE:** Small group of eleven students – Year 10.

**EVENT DETAILS:** Mentoring: Employers from industry to act as role models to work with students in pairs/groups of 3 through a series of activities to help them start to plan for their future, raise their aspirations and develop confidence. For some of these young people, through no fault of their own, they are having a few problems in school due to circumstances at home/things going on in their lives and so really benefit from working with adults who are not teachers and who take time to listen to them and offer advice. There are 4 class based sessions to this programme and employers would be requested at each session for consistency of support.

#### **Langho and Billington St Leonards Primary: Science Week**

St Leonards are holding a Science week commencing 19<sup>th</sup> March 2018 based loosely around the theme of 'Materials'.

They would welcome any visitors who could talk to the children about careers involving science or who to engage with the whole School during their Science week – we would welcome experiments/workshops/talks or demonstrations linked to all areas of STEM.

Please can you help?

**DATE:** w/c 19<sup>th</sup> March – any day

**Primet Primary School Colne: STEM Day**

Primet Primary are looking for visitors to come into our one form entry school on the week beginning 19th March (ideally 21st/22nd March) to talk about their job and give children an idea of different STEM careers which are available to them. Ideally if they could bring a couple of items relating to their job as props for discussion with the children, this would be excellent. We are based 5 minutes away from the M65 in Colne so are easy to get to as well for anyone travelling over.

Please get in touch if you can help.

**Date: 21<sup>st</sup>/22<sup>nd</sup> March 2018**

**Darwen Vale – Girls in Engineering STEM Ambassador Partner WANTED**

For the second year running Darwen Vale would like to work with Soroptimists International to hold a Girls-in-STEM morning.

We have some STEM Ambassador Soroptimists that will lead on the in-school sessions in March 2018 and we are looking for a STEM Organisation or STEM Ambassador to run a simultaneous STEM workshop for a small group of girls.

The girls do a swap over – half doing the Soroptimists challenge and half doing a STEM Challenge for 1hr and then swap and repeat.

The objectives are to illustrate opportunities for women in STEM and to raise awareness of where Science can take you.

Do you want to get involved? If so then please get in touch. We can provide ideas and activity resources if you need us to.

Date – ½ day session TBC in March

**DATE:** Wednesday, 25<sup>th</sup> April 2018

**TIME:** 09:30 - 09:45 arrival. Start 10:00 – 16:00

**VENUE:** Blackpool & Fylde College,

**TARGET AUDIENCE:** 16-19 Year olds

**EVENT DETAILS:** Employers from local businesses will attend to hold mock interviews with the students, preparing them for future interviews with an employer or university. General questions will be asked to give the students a real feel for an interview process with a person from the world of work. The allotted time for each interview will be 15 minutes with a further 5 minutes for any written feedback, the students benefit from this and learn how to improve on their performance. Interview questions and feedback sheets will be provided on the day.

### **ALL Hallows, Energy Quest**

All Hallows Catholic High School in Preston are looking for STEM Ambassadors to support an Energy Quest STEM day that they are having in school on 25<sup>th</sup> April 2018.

Tomorrow's Engineers Energy Quest is a free schools programme that encourages young people to find out all about sustainable energy and learn about associated engineering careers.

The first part is the Energiser Workshop, an interactive STEM workshop is packed with hands-on activities, careers information and stories from real engineers working in energy. Students will receive their own workbook to capture learning as they explore concepts of energy generation, sustainability and technologies.

Each workshop is: open to groups of up to 60 Key Stage 3 students facilitated by a STEM expert

approximately 2.5 hours long and is an opportunity for the students to explore concepts in physics, design & technology and engineering

Can you help?

**25th April between 9-12.30pm**

### **Energy Quest STEM Event – In Schools Support**

Energy Quest is a free, two-part schools programme bringing a spark to STEM learning for students aged 11-14.

Part 1: A facilitated hands-on Energiser workshop at your school

Part 2: The Bright Ideas Challenge, a team competition of innovative future thinking

The half-day workshop is packed with hands-on activities, careers information and stories from real engineers. Participants will take part in the following:

- The Energy Mix Taking the role of energy engineers, students are challenged to present the ultimate energy mix for global locations.
- The Electric Car Challenge Students become engineers as they design, build and test their own car.
- Careers in engineering Students reflect on the skills and mindsets of an engineer, and learn about the different routes into engineering.

We are looking for STEM Ambassadors to support the following times and dates:

**St Christopher's, Accrington**

**1 May 2018**

### **Ribble Valley School Faraday Challenge – Secondary School Teams**

Oakhill in Whalley is hosting an inter-school STEM day in June based on the popular Faraday challenges. The students work to a project brief set on the day. Do you want to help with judging? Talking to the schools' teams and helping them with their projects?

This is always a fantastic full day and no prior experience is required. The teams get very competitive and a lot of the activity is based around problem solving, creative thinking, presentations and communication.

Please get in touch if you can help

Date: 11<sup>th</sup> June 2018

**Queen Elizabeth Grammar School, Penrith, CA11 7EG**

Wednesday 13<sup>th</sup> June 2018

A day of talks about careers in 45-minute sessions on a carousel, so possibly repeating 4 or 5 times, to Yr9 students

Yr9 and the whole year will take part (128) in groups of about 25 rotating through a carousel of speakers from different careers

Full day if possible from 9am -3.30pm

Refreshments provided

How many STEM Ambassadors required: As many as possible.

We are holding a careers week with Yr9 and want to give them a taste of as many careers as possible. Speakers on careers in STEM subjects would be really helpful. One 45-minute presentation with questions repeated for 4 or 5 groups would be great.

**Lancashire Science Festival – June 2018**

We are looking for volunteers to support the Lancashire Science Festival in June. This runs for 3 days that attracts over 17,000 across the three days.

Do you want to help out? Act as mentor guides, talk to the students or even host a small stand/demo? If so then get in touch

To find out more about the festival and what is on go to:

<http://www.lancshiresciencefestival.co.uk/>

Dates: 28<sup>th</sup>, 29<sup>th</sup>, 30<sup>th</sup> June

**NW Eco-Schools Conference**

**Supported and promoted by Lancashire Schools Sustainability Forum and Eco-Schools**

The North West School Eco Conference is back in June 2018. The Target audience is Y4 /5 children from primary schools in Lancashire and lower KS3.

The students spend a day looking at all things Green / Eco and Environmentally friendly and we are looking for STEM Ambassadors that either work in that industry and would like to have a stand in the market place, OR can support by offering work shops to small groups of pupils , OR would like to act as judges for the as-yet-undecided team competitions. If you would like to get involved then please get in touch.

**Activity Dates**

**28th June 2018 at Blackburn Rovers Ewood Park 9am – 2:30pm**