

STEM NEWS –December 2014

(Science, Technology, Engineering and Maths.)

Dear Teachers,

Welcome to STEM Cumbria's latest newsletter, packed with opportunities and exiting STEM events that aim to raise student's awareness of the rich choice of fulfilling and well paid STEM careers.



STEM Ambassadors.

Available to all

Visit www.stemnet.org.uk for STEM Ambassador information



In Cumbria we are fortunate to have just over 600 STEM Ambassadors registered who are a free resource, depending on availability, accessible by all schools to help in delivering STEM subjects in schools and to offer hands on careers advice and to share their experiences where possible. Our Ambassadors all work and represent industry and companies such as Sellafield, BAE Systems, TFP, Croppers, Innovia, Glaxo Smith Kline.



STEMNET

STEMNET creates opportunities to inspire young people in Science, Technology, Engineering and Mathematics (STEM). This enables young people to develop their creativity, problem-solving and employability skills, widens their choices and supports the UK's future competitiveness.

STEMNET helps encourage young people to be well informed about STEM, fully in debate, and make decisions about STEM related issues.

STEMNET has received funding from the Department of Trade and Industry since 1996 and now continues to enjoy support from the Department for Business, Innovation, and Skills and the Department for Education. As a national organisation, it works hard to

ensure that no region of the country is disadvantaged, by comparison with any other, with respect to STEM opportunities.

Discovery Friday at the Big Bang Fair

The BSA are working with the Big Bang Fair to invite those that have taken part in CREST Discovery Award projects to present their projects at the Fair on Friday 13th March 2015, bursary support will be available. Further specifics will be shared when finalised but for now, keep this opportunity in mind and promote it to any schools participating in CREST Discovery Awards and if you receive any enquiries about this, please pass them on to crest@britishscienceassociation.org

Registration for The Big Bang Fair 2015 is now open.

Schools and families can book free tickets via the website www.thebigbangfair.co.uk. The Fair will be held at The NEC, Birmingham from 11-14 March 2015.



World Space Week 2014

The theme for this year's United Nations World Space Week is Space: Guiding Your Way, satellite navigation systems and their use in everyday lives - without the network of satellites, orbiting about 20,000 km from the surface of the Earth, many services we take for granted would not exist. [See what is happening near you.](#)

Placements for STEM teachers

The Teacher Industrial Partners' Scheme (TIPS) organises placements for STEM teachers with engineering and technology employers. Financial support is available for teachers from state maintained schools to allow them to participate in the scheme. An ENTHUSE Award bursary of £1,400 will help schools cover the costs of supply cover. [Apply here.](#)

School Biology Teacher of the Year Award

KS3/4

Do you know an amazing teacher of biology that deserves recognition? Why not [nominate them](#) for the School Biology Teacher of the Year Award to recognise their talent and skill.

What have we been up to?

KS2/3/4

We have been so busy on behalf of the children of Cumbria. We have run Kendal Big Bang and Furness big Bang which saw over 1000 primary school pupils and 600 secondary school pupils having a great time being inspired by local companies and their ambassadors in all things STEM. The companies included The NHS, BAE systems, Wax Lyrical, Centrica, F.A.C.E college exhibits, Kimberley Clark, Sellafield to name but a few. The kids got to take part in virtual Welding, poke sticks through balloons, talk to a robot, identify smells, dig about in slime and collect loads of goodies as they demonstrated their new found knowledge. The half day also involved a presentation from the award winning Science Made simple company which was received incredibly well by kids and teachers. After Christmas we will be starting the planning for next years events in West Cumbria...watch this space.

Bee Bots and computing C.P.D

KS1/2

Fancy planning a cluster group?

We have run our first cluster group C.P.D session in west Cumbria and received great feedback. Our continuing professional development workshops are designed to support staff in the delivery of computing programmes of study for KS1 and KS2. The C.P.D training is delivered by Jo Gill an experienced KS2 teacher and Fran Ward our Robotics expert. The cost is £25 per teacher and runs 4pm-6pm on a Thurs or Fri subject to availability. The host school will receive a free place. Anybody interested in arranging a session at their school please contact me at the office on 015395 67101



Bee Bot and Robotics flyer Computing CPD 2014.pub

Finally, we would like to wish you and your families a Happy and restful Christmas.

Best wishes

Amanda

Contact us for advice and guidance on

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Our address is

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Our small team in the office consists of Tony Gill, Director, Wilma Buckley, Office Manager, Dani Haydock our STEM Ambassador Co-ordinator and Amanda Eastwood, Administrator.

Office no 015395 67101

Regards

Amanda