



STEM NEWS —Nov 2015 – Dec 2015

(Science, Technology, Engineering and Maths.)

Dear Teachers,

Welcome to STEM Cumbria's Christmas newsletter, packed with opportunities and exciting STEM events that aim to raise student's awareness of the rich choice of fulfilling and well paid STEM careers. We have been busy in the office this term preparing for The Big Bang South which was held at Furness College 22nd and 23rd October. This was our final Big Bang of three events that we have run in the County, covering all areas and every school.

Please contact me on amanda@stemcumbria.co.uk for booking and getting one of our inspirational co-ordinators into your school, to run one of our workshops.

STEM Ambassadors.
subject to availability.

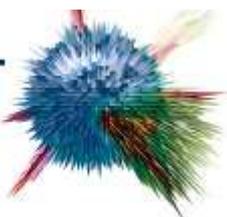
Available to all

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

In Cumbria we are fortunate to have nearly 1000 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
Science, Technology, Engineering
and Mathematics Network



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.

Science4society week

14th-20th March 2016

Follow the link for a set of inspiring science education activities for young people organised by Scientists for Global Responsibility. The activities focus on the positive contribution that science, design and technology can make to peace, social justice and environmental sustainability.

Science4Society Week 2016 will run from 14-20 March 2016. New for this year is our ['Design an Eco-Community'](#) competition. Additionally we have teaching resources and there will be trips and tours.

British Science Week

13th March-22nd March 2016

British Science Week (BSW) is a ten-day celebration of science, technology, engineering and maths - featuring fascinating, entertaining and engaging events and activities across the UK for people of all ages.

BSW provides a platform to stimulate and support teachers, STEM professionals, science communicators and the general public to produce and participate in STEM events and activities.

Anyone can organise an event or activity, and the British Science Association helps organisers plan by providing free activity and support resources. We welcome and support any type of organiser, from schools to community groups, from parents to large organisations. The resulting programme of events is a hugely varied and eclectic mix.

British Science Week 2016 will take place 13 - 22 March.

[To discover more on how you can get involved with British Science Week, including registering your event or finding an event near you please visit our microsite - www.britishecienceweek.org](http://www.britishecienceweek.org)

UK Aerospace Youth Rocketry Challenge 2016

KS3/4

A National competition for students between the ages of 11 – 18, in teams of 3 to 10 students to design, build and launch a model rocket with the payload of two raw eggs.

The competition is free to enter and there are cash prizes available for winners. Rockets will be launched at a regional heats (April-May 2016) to compete for a place in the Nationals (end of May 2016) , then again at Internationals (July 2016) at the Farnborough International Airshow 2016.

ADS coordinate the competition and will support all teams.

To register interest or to ask any questions, please contact Megan Miller

Megan.Miller@adsgroup.org.uk or Samantha Mitchell Samantha.Mitchell@adsgroup.org.uk.

Tim Peake and his historic mission, be involved



[Tim Peake Grant Scheme](#)

[An exciting opportunity for all schools across the UK to access up to £1,000 to help schools mark Tim's historic mission.](#)

[Read more >>](#)



[This year's best free gift](#)

[The micro:bit is a tiny programmable device. Arriving in the spring term, it is BBC Education's biggest project in 30 years.](#)

[Read more >>](#)

Best wishes for a very Happy Christmas and a peaceful New Year,

Amanda Contact us for advice and guidance on amanda@stemcumbria.co.uk.