



STEM NEWS –July 2016

(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.

Please contact wilma@stemcumbria.co.uk for booking and getting one of our inspirational co-ordinators into your school.

STEM Ambassadors. Available to all subject to availability.

This fabulous programme is available to all I'm sure this ambassador won't mind me sharing his words;

"I am looking at a career change to become a Chemistry Teacher. In September I will start a Schools Direct teacher training course with University of Cumbria. I will therefore need to end my role as a STEM ambassador but can hopefully cross the fence to become a supportive teacher once I complete the course and hopefully find a position in Cumbria.

I would like you to know that it was partly my experiences within the STEM programme that crystallized my ideas on becoming a teacher." A STEM Ambassador July 2016.

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

In Cumbria we are fortunate to have just over 900 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.

The Big Bang Whitehaven July 2016

Throughout the year we try to cover Cumbria with Big Bang events to ensure that all kids in the county get the opportunity to attend. This academic year we have run The Big Bang South Cumbria in Barrow at Furness College and The Big Bang North was held last week at Whitehaven Golf Club. Over 1526 pupils attended these events ranging in age from Yr.3-Yr.10. The feedback we get from these free days is always extremely positive and we now see the same Schools attending year after year. The Companies that attend are always very impressed by the enquiring minds of the Primary children and of the level of knowledge from the Secondary pupils. The event is a fun and interactive day of activities with the aim to demonstrate the application of STEM subjects in the working world. We are in the process of planning The Big Bang event for Furness College in the Autumn term and we will keep you posted.

This was from a teacher at St. Josephs about the Big Bang Event in Whitehaven

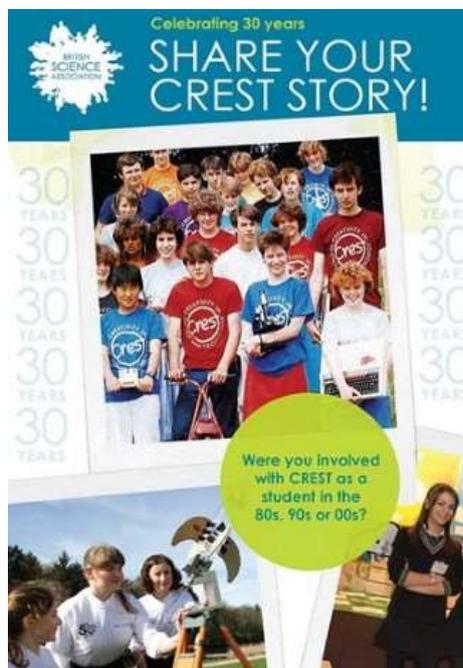
I have already had some parent feedback about the event. They said that their daughter "really had a great time at the science day today So much so that she said she would like to do something with science / engineering in her future. This is a huge impact in my opinion as she has NEVER wavered from her future only being around sport.... until today. I don't know what she will end up doing of course but the ideas sparked today are fantastic."

Comments from some of the children have included;

“That engineering is in everything”

“Science is all around us and it’s dead exciting”

“you can get a well paid job with Engineering”



In September 2016, the British Science Association will be launching a celebration of the **30th anniversary** of our flagship education programme, the CREST Awards.

In recognition of this milestone, we'll be **casting a nostalgic eye back** over the history of the awards and the people who have helped to make it the programme it is today.

Were you involved with CREST as a student in the 80s, 90s or 00s? Is that you with the perm in our 1986 flyer!?! Or do you have any inspiring stories of former CREST students?

We'd love to hear your CREST story, so get in touch to join the celebration!



The Little BIG Awards is a STEM-based I.o.T challenge run by Cisco and our partners. Young people aged 11-14 in schools across the UK are invited to design a product or service which connects things together to make a difference in their everyday lives.

Last year over 250 schools registered from England, Scotland, Wales and Northern Ireland, resulting in participation from over 1,500 young people. As well as benefiting the young people directly, the programme also offers benefits to teachers and offers opportunities to STEM Ambassadors to act as mentors for the teams.

Watch the [video](#) to learn more and register your interest [here](#).

Best wishes

Amanda

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