

The Creative Science Centre – Dr Jonathan Hare Newsletter winter 2018/2019

Looking for ideas, inspiration and science-based activities? Please book me now for a talk or workshop

Hands-on Quantum demos

$$h\nu \leftarrow \text{wave or particle} \rightarrow m_0c^2$$

I am currently working with Prof. Hazel Cox's quantum chemistry group at Sussex University to develop hands-on demonstrations to explain the science of quantum physics and chemistry. More details in forthcoming newsletters.

New Talks

- * Kroto Science - Fullerene nanotechnology
- * A Comet Tail - exploring comet Halley by mass spec.
- * Geodesic Science - Fullers domes

FOR FULL LIST OF TALKS AND WORKSHOPS SEE:

www.creative-science.org.uk/tandws.html

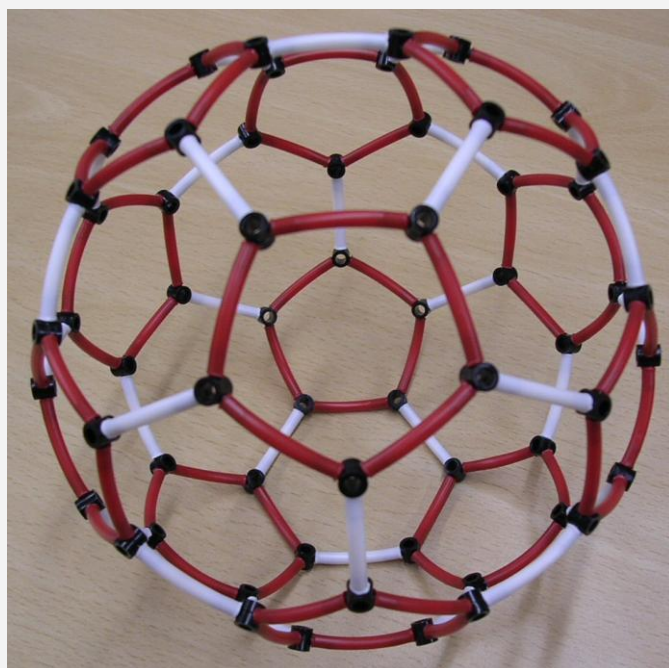
* resources * articles * talks
* workshops * projects * all levels

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Would your school like free C₆₀ Buckyball models?



The brilliant pioneering research scientist Sir Harry Kroto died in 2016. His family has since set-up the Kroto Education foundation and can provide C₆₀ molecular model kits for BuckyBall workshops which I can present. Eligible for free kits? Contact me to find out more.

www.creative-science.org.uk/hwk.html

BRIGHTON SCIENCE FESTIVAL W/S

January 2019 will see Richard Robinson and I exploring wind turbine design with children throughout Sussex Schools. Now fully booked, but also available outside festival time, for workshop details see:

www.creative-science.org.uk/briscifest.html

"Hare is a brilliant communicator: The star of BBC TV's "Rough Science"; his uniquely imaginative website has hands-on demonstrations, talks and workshops which inspire enthusiasm for science in children worldwide"

Sir Harry Kroto (Nobel Prize 1996)

Here's what people say about my work

"Absolutely fantastic! Our kids were buzzing all the way back to Newbiggin. As I mentioned it's more than just Science, it's about role models and aspirations and this visit provided all three and more."

Rob, Newbiggin Middle School, Science Christmas Lectures, Durham

"I had to write to express my appreciation of your commitment to bring Nobel Prize winning science to children's education ... my little son Tommy, 5 years old, came home thrilled and truly inspired by the workshop and started making his own versions of the C60 molecule."

Vanessa, NAGC children

"I always try to tell them Chemistry is fun and you managed to convince quite a few – so thank you. Your enthusiasm is great and you work well with the [A-level] students – so please continue your great work promoting science."

Cheryl, Esher College & FSU

"Thank you very much for your outstanding contribution to last week's Science in Action programme for GCSE students. ... I hope you could see for yourself that you had an attentive and appreciative audience – quite an achievement when you consider that there were eight hundred 14-16 year olds ... "

Radka, Training Partnership, Institute for Education

"It has been an ENORMOUS pleasure to accompany you around Sussex [a month of Brighton Science Festival workshops], many inspiring ideas and deep truths have emerged, so naturally as a result I'm more dazed and

bedazzled by the world than I ever was. So it goes. I hope you enjoyed it. I know that 1000 kids did ... "

Richard Robinson, Brighton Science Festival

"It was very inspiring - I think in schools it can be easy to lose that sense of wonder and achievement that can be gained from making things. I am sure you've given many youngsters the encouragement to start tinkering a bit more. The talk was nicely balanced by having a good bit of physics too!"

Ally, IOP, Cambridge University

"Yes, I am most relieved that I can get into the [CSC] web site. And to say that your work is "useful" is quite an under-statement."

Jim, school science technician

"Thank you very much for the Chemistry in the movies lecture [*Hollywood Science* and *Some Science of Breaking Bad* talks]. I know it went down well because I tried to stop a discussion on the amount of viable oxygen in a car tyre for a good 10 minutes before moving on to inter-molecular bonding! Anyway truly appreciated, thanks!"

John Luton, Varndean College

Dr Hare ran a series of inspirational workshops and projects for students aged between 14 and 18 – it was a challenging task to ensure these academic enrichment sessions were pitched right and Jon executed this outstandingly in his detailed planning of his sessions which were consistently inspirational yet accessible to students. The combination of workshops for larger groups and more developed specialised projects gave both breadth and depth to the programme put on. Further, Jon's dexterity in offering sessions that truly cover all of the bases of STEM was outstanding and both our students and staff hugely enjoyed the time he spent with us. Ian Hanley, Head of Physics, Whitgift School