

THE CREATIVE SCIENCE CENTRE

newsletter

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SUMMER /
AUTUMN 2022



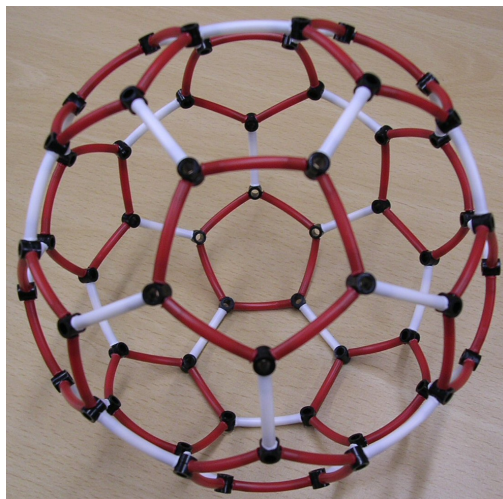
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- Latest News
- Year Group talks for Primary (P), Secondary (S) and Sixth Form (6F)
- Scientific equipment I can build for you
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**FOR DETAILS OF MY LATEST
ON-LINE WORKSHOPS
PLEASE GO TO MY NEW
ZOOM SCIENCE WEBSITE
(SCREEN GRAB BELOW)**



* talks and workshops
* articles * projects * resources
www.zoomscience.co.uk
www.creative-science.org.uk



Latest News

Royal Society of Chemistry (RSC) Blue Plaque event

In June 2022 the RSC unveiled a blue plaque for the Sussex University Chemistry Department to celebrate Sir Harry Kroto's pioneering work. I was lucky enough to work with Sir Harry for 10 years. Before the unveiling, Dr Steve Acquah and I ran a C60 workshop for 200 school children and later in the day I gave the first research talk for the accompanying conference.

Year Group C60 workshops

In July I presented a very succesful C60 workshop to a whole year group (220 children) at Nonsuch School, describing the story of the Nobel prize winning research. Each participant made up their own C60 model.

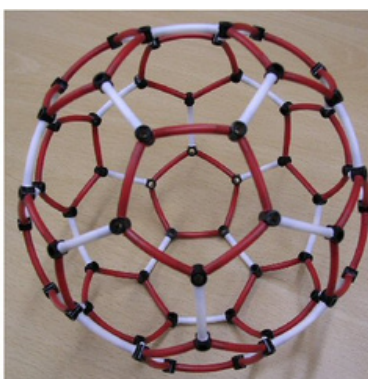
Please contact me about Year Group talks & workshops I can present at your school or institution. These include amongst others:

The discovery of C60 Buckminsterfullerene

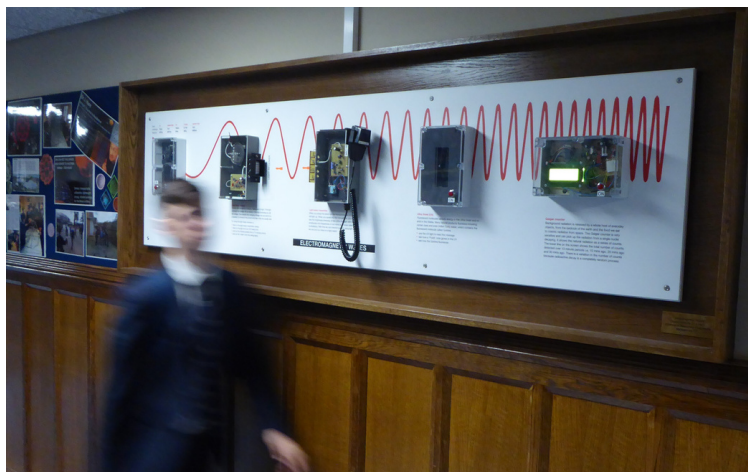
Hollywood Science

Some Science of Breaking Bad

Visit www.zoomscience.co.uk for my on-line talks & workshops and www.creative-science.org.uk for everything else.

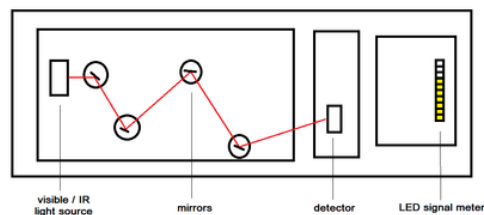


I can build scientific equipment for your laboratory, classroom, or exhibition space. See examples below:



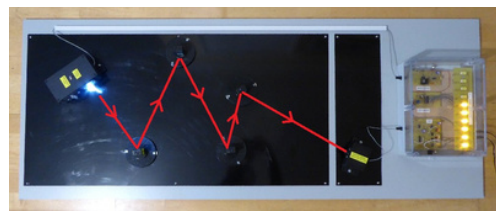
The Electromagnetic Spectrum (Whitgift School)

A permanent interactive display: including a radio transmitter and receiver, UV fluorescence, IR heat camera, light beam communications and logging Geiger Counter experiments.



Light beam demonstration (Whitgift School lab)

Students must skilfully direct a light beam by reflecting and refracting the beam, via a set of moveable mirrors and light pipes, to get the best possible signal from the LED phase sensitive detector. It has easy (visible light) and hard (Infrared light) settings!



Windmills & Turbines

A set of windmills which participants can use to power various electronic devices (calculators, LED torches, radios etc.). The number of blades and the 'angle of attack to the wind' can be adjusted to understand how to maximise harnessing wind power.



Quantum Mechanics game

With Prof H Cox's group at Sussex University we have developed a 'Quantum Leap' game. Up to 8 students can control the game - only when they hit the correct frequency of button pushing will the LEDs jump to the next 'quantum level' (email me for workshop details).



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."

[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](#)

"Jonathan is one of the most passionate, enthusiastic and resourceful science teachers our children have had." [Iryna, London](#)

"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](#)

"Jonathan's workshops are enlightening, thought-provoking, inspiring and a most memorable highlight of each semester!" [Cheryl, High School Teacher](#)

"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](#)

"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](#)

