

Links from the **IOP** Institute of Physics

The IOP Blog www.iopblog.org

Public Events www.iop.org/events/public/index.html



Pocket Physics: Essential revision notes, with units and data for all post-16 students of physics www.iop.org/publications/iop/2012/file_53423.pdf

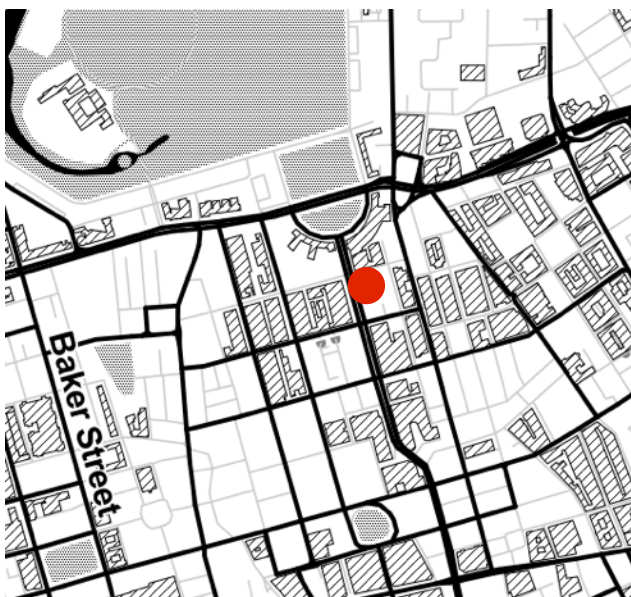


Expand Physics @ A-Level: profiles of people who have studied A-level physics and are now working in careers both in and outside science www.iop.org/publications/iop/2015/file_65520.pdf



Opening Doors: A guide to good practice in countering gender stereotyping in schools www.iop.org/publications/iop/2015/file_66429.pdf

Where is the IOP?



STEM Calendar 2016

WES Summer school list: www.wes.org.uk/content/engineering-summer-schools [Download List here!](#)

RI Summer School List <http://www.rigb.org/families/summer-schools>

1st June: [Feynman's Lost Lecture](#)

1st - 4th June: [Imagineering in Bath](#)

7th - 12th June: [Cheltenham Science Festival](#)

13th - 14th June: [STEMTech Conference](#)

16th June: [Mars exploration: Curiosity and beyond](#)

23rd June: [National Women in Engineering Day](#)

25th June - 1st July: [UK Robotics Week](#)

27th June: [Centre for Robotics Research Open Day](#)

28th June: [Technology: A World of Possibilities](#)

27th - 30th June: [Engineering Summer School at Imperial College London](#)

27th June: [Institute of Making Festival of Stuff](#)

30th June - 1st July: [Shell, Make the Future London](#)

4th July: [Sutton Grammar Regional Big Bang Fair](#)

4th - 8th July: [Year 12 Work Experience at Imperial College](#)

5th - 8th July: [Meet the Scientist, Science Museum](#)

5th - 10th July: [Royal Society Summer Exhibition](#)

11th - 15th July: [Mission Discovery, King's College London](#)

11th - 15th July: [Year 11 Summer School Imperial College London](#)

13th July: [British Science Association, the Colour Lab](#)

15th July: [Ministry of sense: Hunting the Higgs](#)

25th July: [Mathematical Origami](#)

25th July: [Feel the Power](#)

27th July: [Forensics at the RI](#)

28th July: [On Track: Designing Railways at the RI](#)

26th - 29th July: [Year 10 Summer School Imperial College London](#)

2nd August: [The enigma of cryptography at the RI](#)

2nd - 5th August: [Sutton Trust Summer School Imperial College London](#)

9th - 12th August: [Sutton Trust Summer School Imperial College London](#)

6th - 11th September: [British Science Association National Science Festival](#)

24 - 25th September: [Imperial x STEMettes Hackathon](#)

2nd November: [Principia Conference Portsmouth](#)

5th November: [Principia Student Conference York](#)

Links + Resources 2016

(from a real-life physicist)

jessica.wade08@imperial.ac.uk



Revise

Talk Physics: www.talkphysics.org @takeonphysiscs

Physics.org: www.physics.org

Stimulating Physics: www.stimulatingphysics.org

Hyperphysics: hyperphysics.phy-astr.gsu.edu

Physics Classroom: www.physicsclassroom.com

Cyber Physics: www.cyberphysics.co.uk

Richard Feynman's lectures: www.vega.org.uk/video/subseries/8

Virtual Physics Lab: www.vplab.co.uk

STEMNET: stemnet.org.uk

A-Level Physics: alevelphysics.org.uk

Isaac Physics: isaacphysics.org

Ada Lovelace: findingada.com/resources/resources-for-schools

Physics and Maths Papers: physicsandmathstutor.com

Thomas Edison: thomasedison.org

I'm A Scientist, Get Me Out of Here! imascientist.org.uk

Read

Physics World: physicsworld.com

Chemistry World: rsc.org/chemistryworld/

Young Scientist's Journal: ysjournal.com

Engineering UK: [2015 Report](http://2015.Report)

Young Women's Trust Apprenticeship Report

Think

BP bpes.bp.com

Smallpeice Trust www.smallpeicetrust.org.uk/

Shell shell.co.uk/energy-and-innovation/make-the-future/inspiring-bright-minds.html

EDF www.edfenergy.com/prettycurious

L'Oreal @ the RI: www.rigb.org/education/loreal-young-scientist-centre

Your Llife yourlife.org.uk/category/careers-and-industries/

Bosch Between Us We Can Change the World

Young Engineers youngeng.org.uk

Bright Little Labs <http://://brightlittlelabs.org>

IET Faraday Days: Faraday

Educational Initiatives

Sutton Trust www.suttontrust.com

Big Bang Fair www.thebigbangfair.co.uk

Royal Society Summer Science Exhibition
sse.royalsociety.org/2015/exhibits/

RI Christmas Lectures www.rigb.org/christmas-lectures

RCSU Science Challenge sciencechallenge.org/

Imperial College www.imperial.ac.uk/be-inspired/student-recruitment-and-outreach/

UCL www.engineering.ucl.ac.uk/schools-engagement

Choose your degree: www.myphysicscourse.org

RHS Rocket Science: schoolgardening.rhs.org.uk/

CREST www.britishtscienceassociation.org/crest-awards

Harwell Campus harwellcampus.com/open-days/

NI Sci Fest www.nisciencefestival.com

UK Space Design Competition uksdc.org/

Space to Earth Challenge spacetoeearthchallenge.org.uk

Bloodhound Project www.bloodhoundssc.com

Imperial School Science Competition www.imperial.ac.uk/natural-sciences/study/schools-science-competition/

UK Hour of Code uk.code.org

F1 in Schools f1inschools.co.uk

Go4Set www.etrust.org.uk/go4set/what-go4set

Tim Peake Resources www.stem.org.uk/esero/tim-peake

Women in Science Initiatives

The STEMettes www.stemettes.org

The WISE Campaign www.wisecampaign.org.uk

WISSET www.wisnet.org.uk

WES www.wes.org.uk

Science Grrl www.sciencegrrl.co.uk

Mentor SET www.mentorset.org.uk

Cavendish Inspiring Women cavinspiringwomen.com

Young Women's Trust youngwomenstrust.org

Girl Guiding www.girlguiding.org.uk

ROSA Fund rosauk.org

Academies and Institutes

National Physics Laboratory: www.npl.co.uk/factsheets

The IET www.theiet.org/factfiles/

RAEng www.raeng.org.uk/education/

The IOP www.iop.org/education

The IOM www.iom3.org/sas

The RSC www.rsc.org/learn-chemistry/resource

The Royal Society invigorate.royalsociety.org

The Royal Institution www.ri.ac.uk

Videos and Blogs

www.makingphysicsfun.com

theviewfromthelab.wordpress.com

meriamerboucha.blogspot.co.uk

stemettes.wordpress.com

maggielieu.com

beanthinking.org/

soapboxscience.org

www.stuartgregoryhiggins.com/about/

www.youtube.com/user/DrSimonFoster

www.senseaboutscience.org

It's Not Rocket Science: youtu.be/io2G1Ew2KOg

Jason Cole: jasmcole.com/

Tim Peake: www.timpeake.esa.int

Unconscious Bias: youtu.be/dVp9Z5k0dEE

Did you know? youtu.be/wQFTUJK9TKI

Engineering Change youtu.be/E-bllZe0dLY

She Blinded Me With Science: sheblindedmewithscience.org

RI Best Videos: www.rigb.org/blog/2015/december/best-science-videos-of-2015

Reith Lectures: www.bbc.co.uk/programmes/p03ql17j

Important Ones:

#LikeAGirl youtu.be/XjJOBjWYDTs

McKinsey Unconscious Bias youtu.be/JFW2cfzevio

GeoSET Science Videos