



KS3

Doing

- Go to Science Club on Monday lunchtimes. See Mr Ngwenya for more information.
- Visit the Science Museum in South Kensington, London, on weekends and during the holidays.

<https://www.sciencemuseum.org.uk/>

- Visit the Natural History Museum in South Kensington, London, on weekends and during the holidays. Check out the latest exhibitions and attractions online at:

www.nhm.ac.uk/visit.html.

- Visit the Jurassic Coast whilst holidaying in Dorset and East Devon. Visit the museums, visitor centres and attractions, take the 'walk through time' and hunt for fossils.

<http://jurassiccoast.org>.

- Visit Chessington or London Zoo to improve your knowledge of animals and their environments.

<https://www.zsl.org/zsl-london-zoo>

<https://www.chessington.com/explore/chessington-zoo/>

- When they are on sale book tickets for Brainiac Live Shows; science shows full of demonstrations and fun.

<http://brainiaclive.com>

- Sign up to Brilliant.org for learning through interactive problem solving

<https://brilliant.org/>

- Grow your own crystal e.g.

salt <http://www.sciencekids.co.nz/projects/saltcrystals.html>

Watching and Listening

- Go to BBC iPlayer 'Science and Nature' section where you will find all sorts of science based programmes.

<https://www.bbc.co.uk/iplayer/categories/science-and-nature/highlights>

- Watch some shows by Marty Jopson, the science guy from The One Show.

<http://blog.martyjopson.co.uk/p/media.html>



Reading

- Check the Wimbledon College Reading List.
- Subscribe to the BBC Focus Magazine.

<http://www.sciencefocus.com/>

- Subscribe to the Whizz Pop Bang magazine; a new monthly children's science magazine.

<https://www.whizzpopbang.com>



KS4

Most of the suggestions for KS3 are still relevant for KS4

Doing

- Visit the Greenwich Observatory and Planetarium for all things space related. Book to go to the various talks and courses offered.

<https://www.rmg.co.uk/royal-observatory>

- Join the Royal Society of Chemistry for free chemistry resources and information.

<http://www.rsc.org/>

- Join the Institute of Physics for free Physics resources and information.

<http://www.iop.org/>

- Join the Royal Society of Biology for free resources and information.

<https://www.rsb.org.uk/>

Watching and Listening

- Watch the Royal Institution Christmas Lectures online at

<http://www.rigb.org/christmas-lectures/watch>

These are science lectures on a range of themes delivered by well-known scientists. Be part of the magic and book tickets for the next event!

- Use the link below to access radio programmes on all kinds of scientific topics.

<https://www.bbc.co.uk/programmes/p01gyd7j>

- 10 weird and wonderful chemical reactions

<https://www.youtube.com/watch?v=0Bt6RPP2ANl>

- Elements podcasts

<http://www.rsc.org/periodic-table/podcast>

- Material World podcasts

<https://www.bbc.co.uk/programmes/a-z/by/material%20world/all>

- Use the minute physics videos.

<https://www.youtube.com/user/minutephysics>



Reading

- Check the Wimbledon College Reading List.
- The Science of Everyday Life: Why Teapots Dribble, Toast Burns and Light Bulbs Shine, Marty Jopson
- Read the New Scientist Magazine.

<https://www.newscientist.com/>

- The Physics of Super Heroes, James Kakalios



KS5

Doing

- Sign up to the Khan Academy website to find lessons and activities on a range of topics.

<https://www.khanacademy.org/>

- Take part in the Intermediate Biology Olympiad or the British Biology Olympiad.

<https://www.rsb.org.uk/get-involved/rsb-competitions/intermediate-biology-olympiad>

<https://www.rsb.org.uk/get-involved/rsb-competitions/british-biology-olympiad>

- Complete a Massive Open Online Course (MOOC) in a chosen subject

<https://www.mooc-list.com/countries/united-kingdom>

- Attend the DNA Imperial College Summer School – details from Biology teachers nearer the time.
- Attend some of the events run by St George's University such as clinical skills days or work placements. Details from Biology teachers or investigate using the attached link.

<https://www.sgul.ac.uk/news/public-events>

- Visit the Wellcome Collection exhibitions.

<https://wellcomecollection.org/>

Watching and Listening

- Listen to RadioLab podcasts; a range of science based podcasts downloadable from

<https://www.wnycstudios.org/shows/radiolab>

- Download the Infinite Monkey Cage Podcasts from

<http://www.bbc.co.uk/programmes/b00snr0w/episodes/downloads>

- TED talk on growing organs.

https://www.ted.com/talks/anthony_atala_growing_organs_engineering_tissue?language=en

- Crash course videos

<https://www.youtube.com/playlist?list=PL3EED4C1D684D3ADF>



- Incredible Medicine, Dr Weston's Casebook.

https://www.youtube.com/watch?v=G3_kM-lxvmc&list=PL5A4nPQbUF8AOGX7qTBc5LecvGJsfQj4v

- NASA TV

<https://www.nasa.gov/multimedia/nasatv/#public>

- Physics World podcasts.

<https://physicsworld.com/l/audio/>

- STEM talks.

<https://www.ihmc.us/stemtalks/>

Reading

- Check the Wimbledon College Reading List.
- Subscribe to one or more of the journals below. You can get free access to many of these through your local library.

<https://www.sciencemag.org/>

<https://www.nature.com/>

<https://jbiomedsci.biomedcentral.com/>

<https://academic.oup.com/jas>

- Use this link to find many more journals.

<https://www.omicsonline.org/scientific-journals.php>

- Read Biological Science Review and/or Scientific America Magazine quarterly periodicals. These are available from Mr Fitcher.