**KS3 Science Summer Homework 2020**

Over the summer there will be lots of opportunities to take part in science events online. Below is a selection of enrichment programs you can do for homework.

**The Royal Institution**

Every Tuesday, 7pm – 8.30pm, there will be live streamed talks from a range of science experts online. The talks are free to watch and suitable for young adults. The next talk will be on Tuesday 21st July. Lucie Green will talk about the science of space weather and will investigate what instrumentation could be used to improve space weather forecasts.

For more information, please use this link: <https://www.rigb.org/whats-on/events-2020/july/public-space-weather>

**The Science Museum**

The museum will be reopening on Wednesday 19th August but in the meantime, why not enjoy some of the amazing games they have online. One of my favourites is a game called Launchball, where you need to use principle of energy resources and problem solving skills to move a ball from its starting point to the goal. During the game, you will also learn about different types of energy.

There are also other science game apps you can download on your devices to play. Rugged Rovers and Transmission: Information Age are particularly addictive!

Launchball: <https://launchball.sciencemuseum.org.uk/>

As well as science games, you can take virtual tours of the galleries online.

Virtual tours: <https://www.sciencemuseum.org.uk/virtual-tour-science-museum>

There are a lot of resources such as videos and 3D models for online learning at home on the museums website but the Kitchen Science document provides safe and interesting experiments you can do at home. Click on the link below to have a look.

Kitchen Science: <https://learning.sciencemuseumgroup.org.uk/wp-content/uploads/2017/09/Kitchen-science.pdf>

**The Natural History Museum**

Hang out with the Nature Live Online team every Tuesday at 12.00pm and Friday at 10.30am for interactive talks featuring topical discussions with our scientists and cutting-edge research. From meteorites to mammoths, evolution to the climate crisis, Nature Live Online is a great way to explore the natural world.

The next talk will be on Tuesday 21st July, 12pm - 12.45pm, from researcher Juan Camilo Chacón-Duque about The Spectacled Bear, the only surviving native species of bear in South America.

For more information, please use this link: <https://www.nhm.ac.uk/events/nature-live-online-the-spectacled-bear.html>

The museum also offers virtual tours of its galleries with some narrated by Sir David Attenborough. Click on the link below for more information.

Virtual tours: <https://www.nhm.ac.uk/visit/virtual-museum.html>

**NASA**

NASA events are always free to watch online and all launches and landings are posted on their website. The next mission on Thursday 23rd July, 10:26 am EDT – (this is 3.26pm in the UK) will see the launch of Russian Progress 76 Cargo Craft to the Space Station. The Progress craft will carry supplies to the International Space Station. NASA TV coverage starts at 10 am EDT (3pm, UK). Docking is scheduled for 1:47pm EDT (6.47pm, UK).

For more live NASA events, click on this link: <https://www.nasa.gov/launchschedule/>

**Seneca Learning**

This free online platform provides revision activities to support learning over a range of subjects. It is free to use and easy to use on mobiles and tablets. We have had positive reviews from pupils who currently use it and it’s also possible to link your child’s account to their teacher so they can see their progress.

Seneca Learning: <https://senecalearning.com/en-GB/>

**Hand In**

We have made resources available on Hand In for pupils to access at home. This includes GCSE checklists, textbooks and revision mind map templates. For students in Year 9, this is a good resource for you to use over summer to revise the GCSE content you have been taught this year. Use your login for access.

Hand In: <https://foresthillschool.handin.co.uk/handin/>

If you take part in any science events over the summer email me with an account of your experiences. You can also send in photos which will put on display in September 2020.

Have a brilliant summer and stay safe,

Ms Edmund

Acting Head of Faculty, Science & Computer Science