

Science at Home

Enrichment:

A member of staff is responsible for each year group cohort of Gifted and Talented students and they meet as a group during the spring and summer terms.

They choose an enrichment task from a choice given to them and must complete one in the spring term and one in the summer term.

Students are expected to work on these projects at home and it is seen as an excellent enrichment opportunity to compliment the lessons within school.

Examples of projects:

Year 7

Create a presentation on the Solar System.

Complete online challenges devised by E-ON.

Year 8

Produce a PowerPoint presentation on various topics including Nuclear Power and The Structure of the Atom.

Spend the summer term giving talks to the rest of the group on their chosen subject.

Year 9

Attend the Physics Decathlon event in Bury St Edmunds.

Year 10

Isolate their DNA and make a necklace with it.

Immobilisation of algal cells and looking at the impact of light quality on photosynthesis.

Visits to the Babraham Institute.

Websites:

<http://physicsworld.com/>

News, views and information for the global physics community from Institute of Physics Publishing.

www.fearofphysics.com/

An interactive, visual, and non-technical site that shows some laws of physics in action

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

Latest news from the science world

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

A useful website for further reading around Biology at A-Level

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

The Biology Place is an excellent resource for any biology class. Lots of great information on current topics in all areas of biology. Lots of on-line student activities in the biological sciences.

<http://www.schoolscience.co.uk>

One of the best free science site out there for KS3 and 4. Loads of interesting stuff, and with great graphics too. Check it out.

<http://www.rsc.org/Education/SchoolStudents/index.asp>

The Royal Society of Chemistry (RSC)

Information about courses, careers, events and activities.