

SCIENCE

The programme of study builds on that of Key Stage 2 Science and there is a continuing development in the areas of literacy, numeracy, ICT, key skills and thinking skills. The schemes of work also provide many opportunities for pupils to carry out scientific investigations and to learn about the importance of experimental evidence in supporting scientific ideas. The content is covered in the four areas of scientific enquiry Sc1, life processes and living things (Sc2), materials and their properties (Sc3) and physical processes (Sc4).

An overview of the National Curriculum is at:

[http://www.standards.dfes.gov.uk/schemes2/secondary science/](http://www.standards.dfes.gov.uk/schemes2/secondary%20science/)

Year 7 science is seeing a radical change in September 2010 when we embrace the scheme "Go Science" to deliver the Key Stage 3 curriculum. We have made this step now for several reasons but the main ones are:

- we can put the resources on the Moodle (Livetext is the pupil book on the Moodle) and this is a great advantage to our pupils.
- we can use on-line assessment (in conjunction with other assessment tools) and this quickly allows us to assess progress and review the planning of future lessons.
- the books, other resources and video clips are modern and appealing to students. This will help motivate them to learn and enjoy Science.

In addition we can include our own resources to personalise the scheme for our pupils.

As in previous years the curriculum is determined by the National Curriculum at key Stage 3. The schemes of work provide many opportunities for pupils to carry out scientific investigations and to learn about the importance of experimental evidence in supporting scientific ideas. The content is covered in the four areas of scientific enquiry Sc1, life processes and living things (Sc2), materials and their properties (Sc3) and physical processes (Sc4).

We will assess the learning of the girls throughout the year using a variety of activities and tasks and will encourage independent learning and self-assessment. The aims of all assessments will be to monitor progress, to advise students on how to improve and to inform our planning. There will be an emphasis on practical work and investigations as feedback from our students is that this is what they enjoy the most in science.

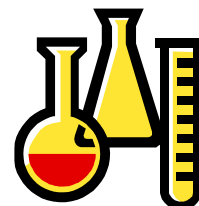
From September our students will be able to use the resources and access all the information via links on the Moodle.

If you are interested the Go Science site is at:

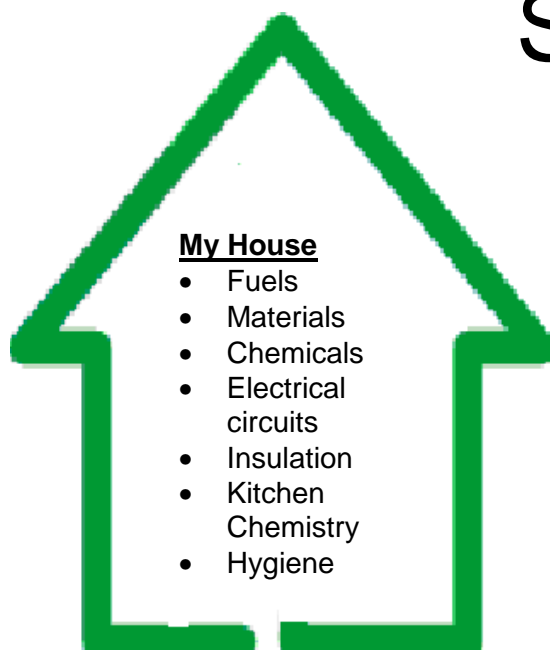
<http://www.pearsonschoolsandfecolleges.co.uk/Secondary/Science/11-14/GoScience/GoScience.aspx>

Home work tasks throughout the year will include the following activities:

- ✓ Research using a range of resources
- ✓ Presentation of ideas using posters, leaflets, Power Point, video
- ✓ Answering questions
- ✓ Presenting and analysing data using scientific terms
- ✓ Writing articles for specific audiences
- ✓ Planning and evaluating experiments/investigations
- ✓ Learning key scientific words and meanings
- ✓ Learning key facts
- ✓ Designing revision aids: writing concept maps
 making revision cards
 Sequencing information



My Space



My Leisure Time at a Theme Park

Transport and Rides:

- Speed
- Forces
- Energy
- Fuels
- Combustion

