

SCIENCE

The programme of study builds on that of year 7 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).

From September 2010 we are using the scheme Go Science as the backbone of our teaching as this package enables us to:

- put the resources on the Moodle (Livetext is the pupil book on the Moodle) and this is a great advantage to our pupils.
- 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.
- Use text books, other resources and video clips that 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.

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 2010 our students will be able to use the resources and access all the information about their Year 8 course via links on the Moodle.

If you are interested the Go Science site is at:

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

An overview of the National Key Stage 3 Curriculum can be viewed at

http://www.standards.dfes.gov.uk/schemes2/secondary_science/

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

