



## Subject Information for Parents

Department: Science

Year: 10 \*Core Science

### What topics are covered during the year?

GCSE Core Science: Edexcel 2011 GCSE Specification

Topics:

Biology Unit B1 - Influences on life.

Topic 1 - Classification, variation and inheritance

Topic 2 - Responses to a changing environment

Topic 3 - Problems of and solutions to a changing environment

Chemistry Unit C1 - Chemistry in our world.

Topic 1 - The Earth's sea and atmosphere

Topic 2 - Materials from the earth

Topic 3 - Acids

Topic 4 - Obtaining and using metals

Topic 5 - Fuels

Physics Unit P1 - Universal Physics.

Topic 1 - Visible light and the solar system

Topic 2 - The Electromagnetic Spectrum

Topic 3 - Waves and the Universe

Topic 4 - Waves and the Earth

Topic 5 - Generation and transmission of electricity

Topic 6 - Energy and the future

### What key assessments will take place?

All students will sit modular examinations in November, March and June. There is one 1 hour examination for each of the above units and each exam is worth 25% of the overall grade. GCSE Science exams for year 10 take place as follows:

- ✓ Monday 5th November - Thursday 8th November;
- ✓ Friday 1st March - Thursday 7th March;

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- ✓ Monday 10th June - Tuesday 18th June.

The remaining 25% of the GCSE award is assessed by a Science Controlled Assessment. For this work students will have to plan and carry out an investigation, record their results and then write up a conclusion and evaluation under exam conditions. Controlled assessment work can really boost your child's grade.

Science Controlled Assessment work will take place weeks beginning 14/01/13 and 21/01/13.

### **How can parents help their child's learning?**

- ✓ log onto the Edexcel website for specification details and sample assessments;
- ✓ ask about the current topic and work and discuss this with your child;
- ✓ look at your child's exercise book. Help with tips on how to improve presentation;
- ✓ ask your child if any assessments are happening soon and does your child understand what they have to do to be successful;
- ✓ encourage your child to revise for all of their Science exams, the website GCSE bitesize is very helpful and they can access revision materials by following this link:  
<http://www.bbc.co.uk/schools/gcsebitesize/science/edexcel/>

### **Are there any trips, visits or special equipment needed?**

For all Science lessons your child will need a pen, pencil, ruler and at times a calculator. Extra-curricular activities take place during the year and you will be informed of these as they arise.

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