

## SCIENCE - Core

Examination Board: AQA Syllabus A



### Syllabus Content:

This is a single GCSE which provides a basic building block for further learning in science. This course highlights the scientific process and the implications of Science for society. There will be 5 lessons in Year 10 and six lessons in Year 11. At the end of Year 10 pupils will have gained a GCSE in Science and at the end of Year 11 pupils will have gained a second GCSE in Additional Science.

The Year 10 and 11 courses are a balance of Biology, Chemistry and Physics. **Some** of the units studied for the GCSE Science (Year 10) and the GCSE Additional Science (Year 11) are outlined below:

GCSE SCIENCE – YEAR 10	GCSE ADDITIONAL SCIENCE – YEAR 11
<b>Biology</b> <ul style="list-style-type: none"><li>• How do human bodies respond to changes inside them and to their environment?</li><li>• What can we do to keep our bodies healthy?</li></ul>	<b>Biology</b> <ul style="list-style-type: none"><li>• What are animals and plants built from?</li><li>• Which human characteristics show a simple pattern of inheritance?</li></ul>
<b>Chemistry</b> <ul style="list-style-type: none"><li>• How do rocks provide building materials?</li><li>• What are the changes in the Earth and its atmosphere?</li></ul>	<b>Chemistry</b> <ul style="list-style-type: none"><li>• How do sub-atomic particles help us to understand the structure of substances?</li><li>• How can we control the rates of chemical reactions?</li></ul>
<b>Physics</b> <ul style="list-style-type: none"><li>• How is heat (thermal energy) transferred and what factors affect the rate at which heat is transferred?</li><li>• How should we generate the electricity we need?</li></ul>	<b>Physics</b> <ul style="list-style-type: none"><li>• How can we describe the way things move?</li><li>• What are nuclear fission and nuclear fusion?</li></ul>

### Assessment:

For the GCSE Science, each subject will be taught in two sections and each examination will test ideas from a particular section in November, March and June. There will be six 30 minute objective tests (tiered) in total on the most recent section studied. Each examination will count for 25% towards the final GCSE.

For the GCSE Additional Science there will be three 45 minute (tiered) papers containing structured questions, available January and June.

The other assessed material will consist of 'in school' practical activities based around experimental techniques.

### Summary:

Section	Topics	Exam	Exam Value
1.	Biology	Multiple Choice	25%
2.	Chemistry	Multiple Choice	25%
3.	Physics	Multiple Choice	25%
4.	Practical	Written assessments	25%

Pupils who wish to obtain three science GCSEs, can opt for **Triple Science**.

For further information please contact Mr D Whyman