

## KS4 Double Science Curriculum Plan 2017-18

Exam Board: AQA – 8 lessons per fortnight in year 9, 9 lessons per fortnight in year 10 and 10 lessons per fortnight in year 11.

Full details of the units covered:

<http://filestore.aqa.org.uk/resources/science/specifications/AQA-8464-SP-2016-V1-0.PDF>

The table below contains a guide as to what is studied in each year of KS4.

<b>Year 9</b>	<b>Contents summary</b>
<b>Biology</b>	Cell Biology, Organisation and Infection.
<b>Chemistry</b>	Atomic Structure, The Periodic Table, Bonding, Structure and Properties of Matter.
<b>Physics</b>	Forces, Energy and Particle Model of Matter
<b>Practical Endorsement</b>	There are 21 practical experiments that must be carried out across the course. These will provide pupils with a solid grounding in the fundamental practical skills involved in all three Science disciplines.
<b>Assessment</b>	Students will be assessed using a number of past GCSE questions focusing on different skills. All units have an end of unit test marked using GCSE grades.
<b>Year 10</b>	<b>Contents summary</b>
<b>Biology</b>	Bioenergetics, Homeostasis and Ecology
<b>Chemistry</b>	Quantitative Chemistry, Chemical Changes, Energy Changes, The Rate and Extent of Chemical Change.
<b>Physics</b>	Electricity, Waves and Atomic Structure.
<b>Practical Endorsement</b>	There are 21 practical experiments that must be carried out across the course. These will provide pupils with a solid grounding in the fundamental practical skills involved in all three Science disciplines.
<b>Assessment</b>	Students will be assessed using a number of past GCSE questions focusing on different skills. All units have an end of unit test marked using GCSE grades.
<b>Year 11</b>	<b>Contents summary</b>
<b>Biology</b>	Non-infection, Inheritance, Variation and Evolution, Revision for exams.
<b>Chemistry</b>	Organic Chemistry, Chemical Analysis, Chemistry of the Atmosphere, Using Resources, Revision for exams.
<b>Physics</b>	Magnetism, Electromagnetism, Revision for exams.
<b>Practical Endorsement</b>	There are 21 practical experiments that must be carried out across the course. These will provide pupils with a solid grounding in the fundamental practical skills involved in all three Science disciplines.
<b>Revision</b>	A comprehensive revision programme is implemented with all groups approximately 1 month prior to exams.
<b>Assessment</b>	Students will be assessed using a number of past GCSE questions focusing on different skills. All units have an end of unit test marked using GCSE grades.