

KS3 Topics

Year 7

September to December (To be assessed in the January exam)

- Scientific Skills
- Biology:
 - Cells and organisms
- Chemistry:
 - Solids, liquids and gases
 - The particle model
- Physics:
 - Forces

December to May (To be assessed in the May exam)

- Biology:
 - Reproduction
- Chemistry:
 - Chemical reactions
 - Acids and alkalis
- Physics:
 - Balanced and Unbalanced Forces
 - How forces lead to motion

May to July (to be assessed in the Year 8 January exam)

- Data analysis
- Plants
- Variation

Year 8

September to December (To be examined in January)

- Biology:
 - Ecosystems
- Chemistry:
 - Atoms
 - Elements
 - Compounds
- Physics:
 - Energy changes
 - Energy transfers
 - Light and sound

January to May

- Biology:
 - The skeleton
 - Muscles
 - Nutrition and Digestion
 - Gas exchange in humans
 - Cellular respiration
 - Health
 - Drugs
- Chemistry:
 - Chemical reactions
 - Energetics
 - Materials
 - The periodic table
- Physics:
 - Electricity
 - Magnetism
 - Pressure

May to July

- Biology:
 - Inheritance
 - Genetics
- Chemistry:
 - The Earth
 - Rocks
 - The atmosphere
 - Materials
- Physics:
 - The cost of electricity
 - Energy changes
 - Space

KS4 Topics

Students are set according to ability at the start of year 9; top set will follow the AQA separate science specifications resulting in a GCSE in Biology, Chemistry and Physics in year 11, all other sets will follow the AQA Trilogy specification which is a dual award course resulting in two GCSE science grades at the end of year 11.

All GCSE courses are now linear and have no coursework/controlled assessment components.

Links to the specifications are:

Biology: <http://filestore.aqa.org.uk/resources/biology/specifications/AQA-8461-SP-2016.PDF>

Chemistry: <http://filestore.aqa.org.uk/resources/chemistry/specifications/AQA-8462-SP-2016.PDF>

Physics: <http://filestore.aqa.org.uk/resources/physics/specifications/AQA-8463-SP-2016.PDF>

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

