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Year 9 Curriculum Information Evening

Subject: Combined Science

Subject Leader: Mr Moseley

What you will learn

The Combined Science GCSE course builds on the topics and skills explored in KS3 and should enable students to:

- Develop scientific knowledge and conceptual understanding through the specific disciplines of Biology, Chemistry and Physics.
- Develop understanding of the nature, processes and methods of science, including the different types of scientific enquiry that enable us to answer questions about the world around us.
- Develop and learn to apply observational, practical, and problem solving skills in the school laboratory setting.
- Develop their ability to evaluate claims based on science through critical analysis and draw their own conclusions based upon the evidence presented.

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How you will be assessed

	GCSE Combined Science	
Assessments	<ul style="list-style-type: none">2 biology papers2 chemistry papers2 physics papers Each paper: 60 marks 1hr 10 mins	
Question types	multiple-choice questions, scaffolded and short answer questions, calculations, and extended open response questions	
How is content split across the papers?	<ul style="list-style-type: none">Papers are split according to topic, with half the content for each discipline in one paper (e.g. Biology 1) and half the content in the second paper (e.g. Biology 2).The first topic in each specification lists key ideas that may be assessed in both paper 1 and paper 2. These are either fundamental ideas of the science, e.g. cells in Biology or atomic structure and bonding in Chemistry, or skills, e.g. handling units in Physics.	

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Why study Science?

GCSE study in the sciences provides the foundation for understanding the material world.

Scientific understanding is changing our lives and is vital to the world's future prosperity. All students should learn essential aspects of the knowledge, methods, processes and uses of science.

They should gain appreciation of how the complex and diverse phenomena of the natural world can be described in terms of a small number of key ideas that relate to the sciences and that are both inter-linked and of universal application.

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Post 16 Opportunities

Success at GCSE Science opens up many STEM related pathways post 16.

Science is an excellent base for a university degree in healthcare, such as medicine, veterinary or dentistry, as well as the biological sciences, such as biochemistry, molecular biology or forensic science.

Science can also lead to advanced apprenticeships or degrees based in industry, such as engineering, aerospace, nuclear power generation and electrical power distribution.

The transferable skills you will learn, such as problem solving, are also useful for many other areas, such as law.

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Questions

