

## Science KS3 Curriculum Map

Year	Autumn Term	Spring Term	Summer Term
7	<p><b>Content:</b></p> <p>Introductory Unit: Working Scientifically. Biology B1 (1): Cells. Chemistry C1 (1): Particles and their behaviour. Physics P1 (1): Forces.</p>	<p><b>Content:</b></p> <p>Biology B1 (2): Structure and function of body systems. Chemistry C1 (3): Reactions. Chemistry C1 (2): Elements, atoms and compounds. Physics P1 (2): Sound.</p>	<p><b>Content:</b></p> <p>Chemistry C1 (4): Acids and alkalis. Physics P1 (4): Space. Physics P1 (3): Light. Biology B1 (3): Reproduction Practical Project Assessments.</p>
	<p><b>Skills:</b></p> <p>Asking scientific questions Analysing and evaluating data. Numeracy and states of matter. Calculating the outcome of forces. Skeletal literacy. Chemical formulae calculations.</p>	<p><b>Skills:</b></p> <p>Chemical reactions and balancing equations. Linking theory to practice. Group work.</p>	<p><b>Skills:</b></p> <p>Practical skills. Understanding scale.</p>
8	<p><b>Content:</b></p> <p>Biology 2 (1): Health and Lifestyle Chemistry 2 (1): The Periodic Table. Physics 2 (1): Electricity and magnetism.</p>	<p><b>Content:</b></p> <p>Biology 2 (2): Ecosystem processes. Chemistry 2 (2): Separation techniques. Physics 2 (2): Energy</p>	<p><b>Content:</b></p> <p>Practical investigation. Physics 2 (3): Motion and pressure. Chemistry 2 (4): The Earth. Biology 2 (3): Adaptation and inheritance. Chemistry 2 (3): Metals and acids. Assessments.</p>
	<p><b>Skills:</b></p> <p>Linking life to scientific knowledge. Practical skills. Building circuits and group-work. Assessing our environment. Practical skills and paired-work.</p>	<p><b>Skills:</b></p> <p>Assessing diet (numeracy). Numeracy and equations. Literacy and display work. Practical skills and "wet chemistry".</p>	<p><b>Skills:</b></p> <p>Practical investigation (analysing data). Numeracy and calculation of force. Research work.</p>

<b>9</b>	<b>Content:</b> Biology 3 (3): Detection. Chemistry 3 (3): Detection.  Biology 3 (1): New technology. Physics 3 (1): New technology. Chemistry 3 (2): Turning points in Chemistry.	<b>Content:</b> Physics 3 (2): Turning points in Physics. Biology 3 (2): turning points in Biology. Chemistry 3 (1): New technology	<b>Content:</b> Assessments. Physics 3 (3): detection. New Curriculum Bridging material for GCSE Physics 1: Space Physics 2: The Earth
	<b>Skills:</b> Research into Biological, Physical and Chemical techniques of research and analysis.	<b>Skills:</b> Research into Biological, Physical and Chemical techniques of research and analysis.	<b>Skills:</b> Research into Biological, Physical and Chemical techniques of research and analysis.

**Course Text Books/Websites:**

**Oxford KS3 Science: Activate: Books 1,2,3**

[www.samlearning.com](http://www.samlearning.com)

[www.Kerboodle.com](http://www.Kerboodle.com)

[www.bbc.c.uk/education](http://www.bbc.c.uk/education)

**Additional Materials/Equipment required:**

**Calculator.**

**KS3 revision Guide.**

**Home Support:**

Encourage your daughter to ask questions and think of possible reasons why things happen. Take an interest in her lessons and homework and ask her to explain concepts to you. Please ensure she completes homework on time.

**Head of Department:**

Mr Hykiel