

Science Department

Curriculum Overview - Year 8

The Big Picture:

Year 8 will study the second half of the KS3 Science curriculum. It will cover topics from all three Sciences to ensure a broad and varied curriculum. Pupils continue to learn the skills needed to be a scientist, with aspect of the scientific process practised. Practical hands on lesson are used as often as possible so that pupils can see Science in action. The topics are listed below in the terms they will be taught.

AO1: Demonstrate knowledge and understanding of the topic.

AO2: Apply your knowledge and understanding of the topic and use your scientific ideas.

AO3: Analyse information in a scientific context and use your understanding to make predictions and evaluations.

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| <p>Term 1: Organ systems and Electricity and Magnetism</p> <p>Green Task: Food tests, series and parallel circuits</p> <p>Assessment Objectives covered –AO1, AO2, AO3</p> | <p>Term 4: Energy and Ecosystems cont'd</p> <p>Green Task: Global warming and Energy transfers</p> <p>Assessment Objectives covered – –AO1, AO2, AO3</p> |
| <p>Term 2: Plants and Metals and Resources</p> <p>Green Task: Plant minerals and metals v's non metals</p> <p>Assessment Objectives covered - AO1, AO2, AO3</p> | <p>Term 5: Separation techniques and Inheritance</p> <p>Green Task: Separating rock salt and Extinction</p> <p>Assessment Objectives covered – AO1, AO2, AO3</p> |
| <p>Term 3: Ecosystems and Metals and Resources cont'd</p> <p>Green Task: Food chains and Recycling</p> <p>Assessment Objectives covered – AO1, AO2, AO3</p> | <p>Term 6: Motion and Research project</p> <p>Green Task: Distance time graphs</p> <p>Assessment Objectives covered – AO1, AO2, AO3</p> |