

KS3 SCIENCE CURRICULUM

Science is a core subject and is studied by all students from Year 1 through to Year 11.

Year 7 & 8 (KS3)

Year 7 & 8 follow the KS3 National Curriculum for Science.

Students continue to develop their scientific skills, with focus on the following areas:

- Scientific attitudes (students consider accuracy, precision, repeatability, reproducibility and previous evidence)
- Experimental skills and investigations (evaluate safety risks)
- Analysis and evaluation (calculate results, develop tables and graphs, identify patterns, and present reasoned explanations based on their observations)
- Measurement (understand units of measure, use simple equations and simple statistics)

Topics areas are listed below (*order may change*). Some further topics are carried over into Year 9 and are introduced when students start their GCSE course.

	Year 7	Year 8
Biology (Organisms)	Cells	Digestion (Health)
	Reproduction (human and plant)	Breathing (Gas and Exchange)
	Movement	Respiration
Chemistry	Particle Model	Periodic Table
	Separating Mixtures	Elements
	Acids and alkalis	Metals and Non-metals
	Earth Structure	Climate
	Universe	
Physics	Gravity	Speed
	Contact Forces	Pressure
	Voltage Resistance	Electromagnets And magnetism
	Current	Light
	Energy Costs	Sound
	Energy Transfer	Heating Cooling
Biology (Ecosystem)	Interdependence	Evolution
	Variation	Inheritance
		Photosynthesis

Assessment is based on students completing the learning objectives in class and through homework, together with a topic assessment.

Students complete regular assessments in order to prepare for their terminal GCSE examinations.

For any further information, please don't hesitate to contact Mrs Bailey, Director of Science