

Year 8 - Science

Curriculum intent	<p>All students will develop knowledge which helps them in their own lives and to understand the world in which they live. Students will be confident with their knowledge, allowing them to inform others and to problem solve through scientific enquiry. To prepare students for the future they will be curious and equipped to question and challenge information they are presented with.</p> <p>Through the curriculum, key themes of knowledge are revisited each year, with the knowledge being developed over time. The themes link to biology, chemistry and physics and are carefully sequenced in order to ensure that students have all of the powerful knowledge needed to move onto the next theme. This will ensure that students develop a secure long term memory over time with flexible knowledge that can be applied to different contexts.</p>					
Term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Knowledge	Students will learn about Working scientifically and Electric circuits: current and voltage.	Students will learn about Interdependence, Acids and Alkalis.	Students will learn about Respiration and Photosynthesis, and Movement and Pressure.	Students will learn about Changing substances.	Students will learn about Nutrition and Earth systems.	Students will learn about Magnetism.
Skills	<p>Working scientifically: developing scientific attitudes, experimental skills and investigations, analysis and evaluation and using a range of measurements.</p> <p>Maths skills – handling data, graphs and using units.</p>					

Assessments	Half term assessment.	Half term assessment.	Half term assessment.	Half term assessment.	Half term assessment.	Half term assessment.
Curiosity	<p>Books: The Science Book http://www.amazon.co.uk/Science-Book-Ideas-Simply-plained/dp/1409350150/ref=pd_sim_b_2?ie=UTF8&refRID=084B30VXA9G72PJ80PVE</p> <p>Home Science Experiments: https://www.sciencefun.org/kidszone/experiments/ https://www.science-sparks.com/category/primary-science/key-stage-3-science/ https://www.weareteachers.com/easy-science-experiments/</p> <p>Science in the news: https://www.iflscience.com/ https://theday.co.uk/ https://www.bbc.co.uk/news/science and environment</p>					

