

KS3 Science Topic delivery and rationale 2024-2025

Year	Teachers	Term 1			Term 2		Term 3	Term 4			Term 5		Term 6	
7	MG,	Cells	Forces	Particles	Atoms, Elements and Compounds	Body Structure	Reproduction	Energy	Sound	Separating Mixtures	Introducing Reactions	Interdependence	Earth Science	Space
	HC,													
	CS													

We start with the foundation topics that support many of the other topics over the following two years, cells, forces and particle. This allows all the pupils to have a solid understanding of the basics of the three science subject areas. We then move through the three sciences so that pupils do not feel dejected if a specific area of science is not their strongest area. It also allows for lots of opportunities for the development of practical skills. Particles, reproduction, and forces all recap their modules in Year 5 and so doesn't leave a long period of time before spiralling back to the content. Space is taught in the spring term to consolidate their learning from year 5 and prepare them for space in KS4.

Body Structure builds on their existing knowledge from the Human life cycles topic in Yr. 5 and Animals including humans' topic in Yr. 6, and introduces new knowledge

8	Teachers	Term 1			Term 2		Term 3	Term 4			Term 5	Term 6		
	MG,	Motion and Pressure	Photosynthesis and Respiration	Periodic Table	Acids and Alkalis	Variation and Inheritance	Metals and Non-Metals	Light	Energy Resources	Digestion and Respiration	Electricity	Earth's Atmosphere	Earth's Resources	Magnets and Electromagnetism
	HC,													
	CS													

In year 8 the same method has been adopted as in year 7 with the three science disciplines being rotated across the year. We have started the year with three exciting modules to engage year 8 back into Science. Photosynthesis is delivered early in autumn term to ensure that as they move to year 9 they have a good understanding of the chemical processes as they will both be needed later in their learning journey. Periodic Table introduces the Elements and the different parts within the periodic table. Light recaps the light module in Year 6 and so doesn't leave a long period of time before spiralling back to the content. Electricity was introduced to them in year 6 and we continue to develop their understanding in year 7. It is purposefully placed in the spring term to ensure there is about 18 months between the content to ensure retainment and show their true understanding. Earth's atmosphere and Earth's resources are grouped together to enable them to support each other.