

Year	Teachers	Term 1		Term 2		Term 3	Term 4			Term 5		Term 6
Year 7		Introduction to science	Cells	Substances and Particles	Forces and Magnetism	Reproduction	Electric Circuits	Changing Substances	Energy	Sound	Interdependence	
		We start year 7 ensuring all pupils are lab safe with an “Introduction to Science”. This includes the use of equipment such as Bunsen Burners and Microscopes and ensuring ALL lab safety is known and understood. We then start with the foundation topics in biology (cells) and chemistry (substances and particles) and as this will allow all the pupils to have a solid understanding of the basics of the majority of all the subject areas. We then rotate through the 3 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. 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 12 months between the content to ensure retainment and show their true understanding.										
Year 8		Periodic Table	Light	Body Systems and Organisation	Motions and Pressure	Reactants and Products	Gravity and Space	Life Diversity	Photosynthesis and Respiration	Earth Systems		
		In year 8 the same method has been adopted as in year 7 with the 3 science disciplines being rotated. We have started the year with two exciting modules to engage year 8 back into Science. 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. Body Systems 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 needed for KS4. Gravity and Space is taught in the spring term to consolidate their learning from Yr.5 and prepare them for Space in KS4. Photosynthesis is delivered early on in the summer term to ensure that as they move to Yr.9 they have a good understanding of the chemical processes as they will both be needed at KS4. Earth Systems is the last chemistry module as it relies on the pupils recalling chemical equations from a number of different topics in KS3. Heating & Cooling uses the Big Idea of particles that has run throughout their Science lessons from states of matter through to separation techniques in Year 7 and puts all those ideas together to explain how heat travels through different mediums.										