



Science learning pathway at The Stonehenge School





SCIENCE

KS3 Long Term Plan

Year 7	Year 8	Year 9
Term 1 Cells Particles Forces	Term 1 Ecosystems The Periodic Table The Earth	Term 1 Adaptation and Inheritance Metals and Acids Electricity and Magnetism During this term, pupils sit an End of KS3 exam in each of the subjects: Biology Chemistry Physics
Term 2 Structure and Function of Body Systems Elements Sound	Term 2 Health and Lifestyle Motion and Pressure Space	January onwards: AQA GCSE Combined Science Trilogy course or AQA GCSE Biology, Chemistry and Physics. See KS4 Curriculum Intent document
Term 3 Reproduction Reactions Light During term 3 pupils sit an End of year 7 exam	Term 3 Acids and Alkalis Separating Techniques Energy During term 3 pupils sit an End of year 8 exam	



KS4 Long Term Plan

Pupils studying the following areas during the KS4 program of study which takes place from January of Year 9 until the GCSE examinations in the summer of Year 11.

Working Scientifically and Practical skills are integrated as part of the course and not focussed on independently.

Students follow one of two pathways: AQA Combined Science (Trilogy) or Separate Sciences. Both are taught to Foundation and Higher tier.

The approximate timetable for KS4 is as follows (NB unless otherwise stated this is common to both the Combined and the Separate Science courses):

	Biology	Chemistry	Physics	
Year 9	Cell Biology	Atomic structure and the Periodic Table	Maths in Science	
			Particle model of matter	
Year 10	Organisation	Bonding, Structure, and the Properties of Matter	Energy	
	Infection & Response	Quantitative Chemistry	Electricity	
	Bioenergetics	Chemical Changes	Atomic Structure	
	Homeostasis & Response	Energy Changes	Waves	Space (GCSE Physics only)
		The Rate and Extent of Chemical Change		
Year 11	Inheritance, Variation & Evolution	Organic Chemistry	Forces	
		Chemical Analysis		
	Ecology	Chemistry of the Atmosphere	Magnetism & Electromagnetism	
		Using Resources		