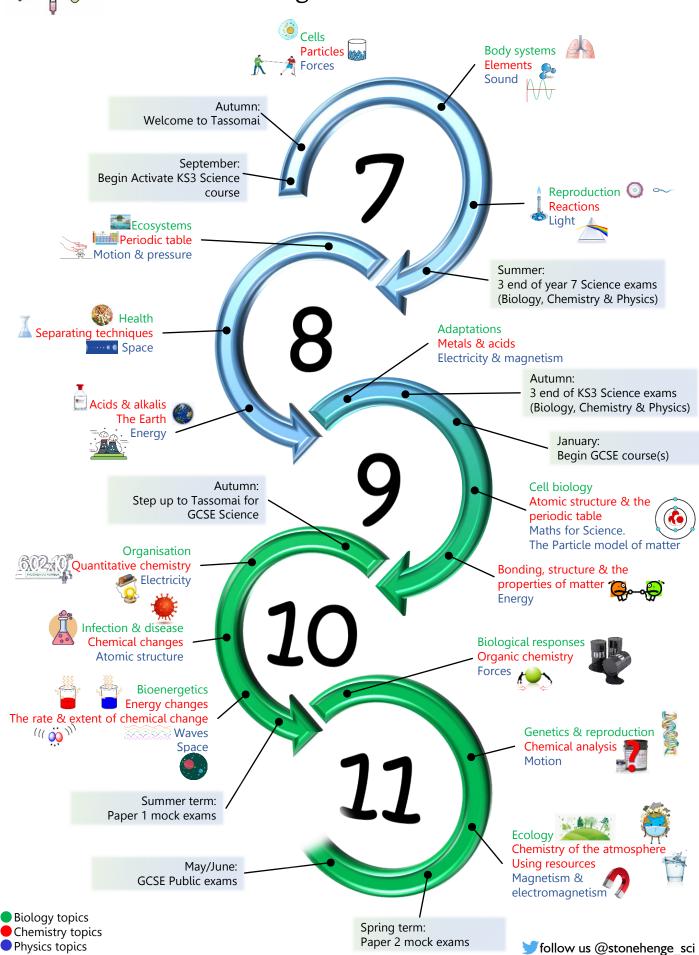
# Science learning pathway

### at The Stonehenge School





# THE STONEHENGE SCHOOL

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## **SCIENCE**

#### KS3 Long Term Plan

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



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