

STOUR VALLEY COMMUNITY SCHOOL

SCIENCE



Key stage		Half term 1			Half term 2		Half term 3		Half term 4	Half term 5	Half term 6
Key stage 3	7	Science Skills	Cells and living things	Reproduction	Separating techniques	Acids and Alkalis	Space	Ecosystems	Forces	Energy	Ecosystems
		Half term 1		Half term 2		Half term 3	Half term 4	Half term 5		Half term 6	
	8	Atoms, elements, and periodic table	Organisms 2	Waves	Respiration	Chemical reactions	Electricity	Forces	Motion and application of forces	Genes	Earth science

Key Stage	Year Group	Half term 1	Half term 2	Half term 3	Half term 4	Half term 5	Half term 6	
KS4 Transition Year	9 Higher Biology	Cellular Biology			Organisation			Plant tissue and Systems
	9 Higher Chemistry	Atomic structure		The atmosphere		Using resources		
	9 Higher Chemistry	Atomic Structure (radiation)		Energy		Waves		
	9 Foundation	Cellular Biology	Atomic structure	Energy	Organisation	The atmosphere and using resources	Atomic structure (radiation)	
		Atomic structure	Energy	Cellular Biology	The atmosphere and using resources	Atomic structure (radiation)	Organisation	
		Energy	Cellular Biology	Atomic structure	Atomic structure (radiation)	Organisation	The atmosphere and using resources	

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Key stage 4 – Higher pathway	10 Foundation Biology	Infection and response		Bioenergetics		Homeostasis and the human nervous system	Reproduction	Preparation for Year 10 exams and work experience	
	10 Foundation Chemistry	Recap Atomic structure and Chemical Bonding		Quantitative Chemistry	Chemical Change		Energy Change	Preparation for Year 10 exams and work experience	
	10 Foundation Physics	Particle Model of matter		Forces 1		Electricity	Waves 1	Preparation for Year 10 exams and work experience	
	11 Foundation Biology	Inheritance, Variation, and evolution 1	Ecology 1		Year 11 Mock exams	Ecology 2	Inheritance, Variation, and evolution 2	Year 11 GCSE exams and study Leave	
	11 Foundation Chemistry	Rate of reaction		Organic Chemistry 1	Year 11 Mock exams	Organic Chemistry 2	Chemical Analysis	Recap Required Practical's	Year 11 GCSE exams and study Leave
	11 Foundation Physics	Forces 2		Year 11 Mock exams	Forces 3	Magnets and electromagnets		Waves 2	Year 11 GCSE exams and study Leave

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Key stage 4 – Higher pathway	10 Higher Biology	Infection and response		Bioenergetics		Homeostasis and the human nervous system	Hormonal coordination in Humans	Preparation for Year 10 exams	
	10 Higher Chemistry	Recap Atomic structure and Chemical Bonding		Quantitative Chemistry	Chemical Change		Energy Change	Preparation for Year 10 exams	
	10 Higher Physics	Waves 2	Magnets and Electromagnet	Particle Model of matter		Forces 1	Electricity	Static electricity	Preparation for Year 10 exams
	11 Higher Biology	Plant hormones	Adaptations	Ecology 1		Year 11 Mock exams	Ecology 2	Inheritance, Variation, and evolution	Year 11 GCSE exams and study Leave
	11 Higher Chemistry	Rate of reaction		Year 11 Mock exams	Chemical Analysis	Organic Chemistry		Year 11 GCSE exams and study Leave	
	11 Higher Physics	Forces 2		Year 11 Mock exams	Forces 3	Magnets and electromagnets		Space	Year 11 GCSE exams and study Leave