



Year 9 Curriculum

Science



Topic	Term 1 (Autumn)		Term 2 (Spring)		Term 3 (Summer)	
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	Building Blocks	Rotation 1 Energy	Rotation 1 Water	Rotation 1 Carbon	Rotation 1 Rate of Change	The Bee Project
Key Concepts	<ul style="list-style-type: none"> Cells Specialised cells Cells in the body The Atom The Periodic Table Density Pressure Thermal energy transfer 	<ul style="list-style-type: none"> Energy stores & transfers Food chain Exothermic & endothermic reactions Energy in the body 	<ul style="list-style-type: none"> Changes of State Pure & impure substances Osmosis Homeostasis 	<ul style="list-style-type: none"> Covalent structures Fuels The Carbon Cycle 	<ul style="list-style-type: none"> Diffusion Collision Theory Factors affecting rate Enzymes Speed/distance /time 	<ul style="list-style-type: none"> Biodiversity Interdependence Competition Climate change Energy resources Efficiency
		Rotation 2 Rate of Change	Rotation 2 Energy	Rotation 2 Water	Rotation 2 Carbon	
		<ul style="list-style-type: none"> Diffusion Collision Theory Factors affecting rate Enzymes Speed/distance /time 	<ul style="list-style-type: none"> Energy stores & transfers Food chain Exothermic & endothermic reactions Energy in the body 	<ul style="list-style-type: none"> Changes of State Pure & impure substances Osmosis Homeostasis 	<ul style="list-style-type: none"> Covalent structures Fuels The Carbon Cycle 	




Year 9 Assessment

Science



All pupils sit an assessment and several knowledge tests in Year 9. As a core subject there is a further assessment in the summer term.

	Assessment	Knowledge Test	Knowledge Test	Revision Resources
	Autumn Term	Spring Term	Summer Term	
Style of Assessment	This assessment will include scientific skills from Years 7 and 8. Questions focus on building blocks: cells, the atom, periodic table, density, pressure, conduction and convection	Each knowledge test consists of 10 multiple-choice questions	This assessment will consist of multiple-choice, short answer and longer answer questions	<i>Kennet Resources</i> <ul style="list-style-type: none">Year 9 Knowledge OrganisersLearning HabitsSRB <i>External Resources</i> <ul style="list-style-type: none">www.educake.co.ukwww.educationquizzes.comwww.bbc.com/bitesizewww.youtube.com <p>You can also find revision material on Frog</p> 
Topics Assessed	<ul style="list-style-type: none">Building blocks	<ul style="list-style-type: none">EnergyRates	<ul style="list-style-type: none">CarbonWaterEnergyRates	