



Year 7 Curriculum

Science



	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Topic	Life	Energy	Chemical Changes	Health	Particles	Forces
Key Concepts	<ul style="list-style-type: none">• Cells as building blocks• Using microscopes• Cell structure• Specialised cells• Cell division• Level of organisation• Respiration• Respiration in yeast• Bacteria	<ul style="list-style-type: none">• Energy in food• Energy stores• Energy transfers• Conservation of energy• Power stations• Types of fuel• Renewable energy resources• Solar cells• Power of appliances• Electricity bills	<ul style="list-style-type: none">• Atoms and elements• Physical vs chemical changes• Compounds and naming• Combustion – word equations• Acids and bases• pH scale• Neutralisation• Metals and acids• Thermal decomposition• Metal oxides	<ul style="list-style-type: none">• Cells to systems• Diet• Food tests• Skeleton and muscles• Lungs• Blood and heart• Anaerobic and aerobic respiration• Exercise• Drugs• Smoking / vapes	<ul style="list-style-type: none">• States of matter• Changes of state• Freezing• Condensing• Mixtures and solutions• Filtration• Crystallisation• Distillation• Chromatography• Cleaning water	<ul style="list-style-type: none">• What are forces• Friction and drag• Magnets and electrostatic forces• Mass and weight• Balanced and unbalanced forces• Turning forces• Speed, distance and time• Stopping distances• Terminal velocity




Year 7 Assessment

Science



All pupils will sit several knowledge tests and an assessment in Year 7.

	Knowledge Tests	Assessment	Revision Resources
	Autumn/Spring Terms	Summer Term	
Style of Assessment	Each knowledge test consists of 10 multiple-choice questions	The assessment will consist of multiple-choice, short answer and longer answer questions	<i>Kennet Resources</i> <ul style="list-style-type: none">Year 7 Knowledge OrganisersLearning Habits <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">Core knowledge taught until that point in the academic year	<ul style="list-style-type: none">ForcesParticles and their behaviourInvestigation skillsCellsStructure and function of body systemsElements and compoundsSpace	