



Year 7 Curriculum

Science



Topic	Autumn Term 1		Autumn Term 2		Spring Term 1		Spring Term 2		Summer Term 1		Summer Term 2	
	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 Organisers• Learning Habits• SRB <i>External Resources</i> <ul style="list-style-type: none">• www.educake.co.uk• www.educationquizzes.com• www.bbc.com/bitesize• www.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">• Life• Energy• Chemical Changes• Health	