



St Benedict's Catholic High School
1971

Key Stage 3 Science

	Autumn	Spring	Summer
Year 7	Introducing Particles ~~~~ Cells & Reproduction	Energy & Electricity ~~~~~ Chemical Reactions	Ecology & Classification ~~~~ Forces & the Universe
Year 8	Breathing, Digestion & Respiration ~~~~ Elements, Compounds & Mixtures	Light & Sound ~~~~ The Earth	Further Energy & Electricity ~~~~ Plants & Photosynthesis
Year 9	Inheritance & Evolution ~~~~ Energy & Reactions ~~~~ Physics in Action	Cell Biology: Cell Structure & Transport and Cell Division ~~~~ Chemistry of the Atmosphere: The Earth's Atmosphere Using Resources: The Earth's Resources ~~~~ Energy: Energy Resources	



Year 7 Science

Autumn	Introducing Particles	Pupils will develop their knowledge & understanding of: <ul style="list-style-type: none">• Pure & impure Substances• The nature of matter
	Cells & Reproduction	Pupils will develop their knowledge & understanding of: <ul style="list-style-type: none">• Cells & organisation• Health• Nutrition• Reproduction• The skeletal & muscular systems
Spring	Energy & Electricity	Pupils will develop their knowledge & understanding of: <ul style="list-style-type: none">• Current electricity• Energy changes & transfers• Energy
	Chemical Reactions	Pupils will develop their knowledge & understanding of: <ul style="list-style-type: none">• Chemical reactions
Summer	Ecology & Classification	Pupils will develop their knowledge & understanding of: <ul style="list-style-type: none">• Relationships in an ecosystem
	Forces & the Universe	Pupils will develop their knowledge & understanding of:



		<ul style="list-style-type: none">• Balanced forces• Describing motion• Forces• Forces & motion• Pressure in fluids• Space physics
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Year 8 Science

Autumn	Breathing, Digestion & Respiration	Pupils will develop their knowledge & understanding of: <ul style="list-style-type: none">• Cells & organisation• Cellular respiration• Gas exchange systems• Nutrition & digestion• The skeletal & muscular systems
	Elements, Compounds & Mixtures	Pupils will develop their knowledge & understanding of: <ul style="list-style-type: none">• Atoms, elements & compounds• Chemical reactions• The periodic table
Spring	Light & Sound	Pupils will develop their knowledge & understanding of: <ul style="list-style-type: none">• Energy & waves• Light waves



		<ul style="list-style-type: none">• Observed waves• Sound waves
	The Earth	Pupils will develop their knowledge & understanding of: <ul style="list-style-type: none">• Earth & atmosphere
Summer	Further Energy & Electricity	Pupils will develop their knowledge & understanding of: <ul style="list-style-type: none">• Calculation of fuel uses & costs in the domestic context• Energy changes & transfers• Magnetism
	Plants & Photosynthesis	Pupils will develop their knowledge & understanding of: <ul style="list-style-type: none">• Nutrition• Photosynthesis

Year 9 Science

Autumn / Spring	Inheritance & Evolution	Pupils will develop their knowledge & understanding of: <ul style="list-style-type: none">• Inheritances, chromosomes, DNA & genes
	Energy & Reactions	Pupils will develop their knowledge & understanding of: <ul style="list-style-type: none">• Chemical reactions• Energetics
	Physics in Action	Pupils will develop their knowledge & understanding of: <ul style="list-style-type: none">• Describing motion• Forces



		<ul style="list-style-type: none">• Forces & motion• Nature of matter• Pressure in fluids
Spring / Summer	Cell Biology: Cell Structure & Transport and Cell Division	Pupils will develop their knowledge & understanding of: <ul style="list-style-type: none">• Cell structure• Cell division• Transport in cells
	Chemistry of the Atmosphere: The Earth's Atmosphere Using Resources: The Earth's Resources	Pupils will develop their knowledge & understanding of: <ul style="list-style-type: none">• The composition & evolution of the Earth's atmosphere• Carbon dioxide & methane as greenhouse gases• Common atmospheric pollutants and their sources• Using the Earth's resources & obtaining potable water• Life cycle assessment & recycling
	Energy: Energy Resources	Pupils will develop their knowledge & understanding of: <ul style="list-style-type: none">• Types of energy• National & global energy resources