

Year 7 Sciences Curriculum Map

Subject/Term	Term 1 Knowledge	Term 2 Knowledge	Term 3 Knowledge	Term 4 Knowledge	Term 5 Knowledge	Term 6 Knowledge		
Science Rotation of 5 <i>Skills: Scientific thinking; Experimental skills; Analysis and evaluation; Scientific vocabulary</i>	Cells; Particle model; Forces	Human reproduction; Separating mixtures; Energy costs	Variation; Acids and alkalis; Electricity	Interdependence; Metals & non-metals; Friction & energy stores	Rocks; Space			
Geography 5 units covered <i>Skills: Knowledge; Understanding; Enquiry</i>	G1 It's your planet - Origins; Life; Human	G2 Maps and The UK – Skills; Physical; Human	G3 Glaciers – Processes; Landscapes; Landforms	G4 Africa – Countries; Physical; Human	G5 Rivers and Floods – Processes; Landscapes; Landforms			
Maths 9 units covered <i>Skills: Number Place Value & Four Operations; Number FDP & Ratio; Measurement & Units; Geometry, Angles & Shapes; Statistics; Problem Solving & Investigations</i>	Number 1: <ul style="list-style-type: none"> Ordering integers and decimals Working with negative numbers Four operations, including decimals Rounding to decimal places Working with fractions Algebra 1: <ul style="list-style-type: none"> Algebraic notation Collecting like terms Multiply & divide expressions Substitution Expanding brackets Geometry & Data 1: <ul style="list-style-type: none"> Properties of 2D and 3D shapes Perimeter of shapes Area of shapes (including circles) Volume of prisms Pythagoras introduction 		Number 2: <ul style="list-style-type: none"> Properties of Number Products of Prime Numbers Percentage of an amount Percentage increase and decrease Writing numbers as percentages Algebra 2: <ul style="list-style-type: none"> Writing expressions Factorising Solve equations (two step and brackets) Solve equations (unknown on both sides) Forming and solving equations Geometry & Data 2: <ul style="list-style-type: none"> Two-way tables Pie charts Scatter graphs Averages and range Mean and mode from a table 		Number 3: <ul style="list-style-type: none"> Fraction, decimal & percentage conversion Ordering FDP Ratio notation Sharing in a given ratio Proportion and unitary method Algebra 3: <ul style="list-style-type: none"> Working with sequences Finding nth term for linear sequences Inequality notation Solve inequalities (including negatives) Solve inequalities (unknown on both sides) Geometry & Data 3: <ul style="list-style-type: none"> Angle terminology Scale drawings and constructions Angles in parallel lines Angles in polygons Bearings 			
PE 8 units covered <i>Skills include: Teamwork;</i>	Team building	Confidence	Asking questions	Determination	Positive approach to PE	Failure	Acting on feedback	Leading by example
	Variety of activities	Basketball Netball	Gymnastics Handball	Rugby Football	Badminton	Basketball HRF	Athletics	Cricket Tennis

<i>Communication; Listening; Motivation; Determination; Confidence</i>		Football Handball	Football Rugby Hockey	Gymnastics Trampolineing Table tennis	Rugby Trampolineing Gymnastics Handball	Football Trampolineing Handball		Rounders Softball
DTA Rotation of 5 units <i>Skills: Investigation; Analyse; Generate Ideas; Make; Evaluate</i>	DT – Multi-Materials - Materials and working properties, iterative design (design decisions).	DT – Graphic Products - Material classifications and working properties, papers and boards, CAD and iterative design.	DT – Textiles - Materials and working properties and iterative design. User needs and functionality. Health & Safety.	Art & Design - Formal elements and artist analysis.	Food & Nutrition - Health & Safety, introduction to the food room. Eatwell guide, 8 healthy eating tips, nutrients and food groups.			