



Curriculum Map

Subject: Maths

Year Group: 8 Core & Support

	Autumn 1/Autumn 2	Autumn 2	Autumn 2/Spring 1	Spring 2	Summer 1	Summer 2
Content	Unit 1: Number Factors and powers. Unit 2: Expressions and Algebra.	Unit 3: 2D shapes and 3D solids. Unit 4: Decimals and Ratio	Unit 5: Calculating fractions Unit 6: Fractions Decimals Percentages	Unit 7: Lines and Angles	Unit 8: Statistics, Graphs Charts.	Unit 9: Plotting Graphs Unit 10: Real Life Graphs
Skills	Students will... Unit 1: Write Prime factor decomposition. Use prime factors to find HCF and LCM. Use the laws of indices. Use powers of 10. Estimate answers. Operate directed/negative numbers Unit 2: Simplify expressions. Expand and factorise expressions Substituting into expression Form and Solve Equations.	Students will... Unit 3: 2D shapes and 3D solids: Use plans and elevations. Nets of solids Calculate surface area of cubes and cuboids. Calculate volume of cubes and cuboids. Unit 4: Ordering decimals Add and subtracting decimals. Multiplying decimals. Ordering and rounding decimals. Solve problems with decimals. Recognise recurring decimals.	Students will... Unit 5: Simplify fractions Fractions of amounts Add, subtract fractions Multiply divide fractions Unit 6: Fractions and decimals Equivalent proportions Writing percentages Percentages of amounts Percentage Increases Decreases	Students will... Unit 7: Make accurate drawings of triangles using a protractor. Constructing shapes using compasses and ruler Construct perpendicular bisectors. Bisect angles. Use loci to solve problems.	Students will... Unit 8: Pie charts Averages and Using tables Stem and leaf diagrams Comparing data Scatter graphs Misleading graphs	Students will... Unit 9: Graphs Plot linear graphs. Find the gradient. Interpret graphs. Understand misleading graphs. Find equation of a straight line. Identify parallel and perpendicular lines. Unit 10: Distance-time graphs Line graphs More line graphs Real-life graphs Misleading graphs

	Autumn 1/Autumn 2	Autumn 2	Autumn 2/Spring 1	Spring 2	Summer 1	Summer 2
		Simplify ratio Share according to given ratio Proportion				
Key questions	Active learn book: KS3 Maths Progress - Delta 2 Unit 1 Practice Test Page 21 Unit 4 Practice Test Page 43	Active learn book: KS3 Maths Progress -Delta 2 Unit 2 Practice Test Page 73 Unit 6 Practice Test Page 250	Active learn book: KS3 Maths Progress -Delta 2 Unit 8 and 10 Practice Test Page 127	Active learn book: KS3 Maths Progress - Delta 2 Unit 7 Practice Test Page 171 Test Page 199	Active learn book: KS3 Maths Progress - Delta 2 Unit 3 Practice Test Page 223	Active learn book: KS3 Maths Progress - Delta 2 Unit 9 Practice Test Page 99
Assessment	Unit 1 & 2 Assessment	Unit 3 & 4 Assessment	Unit 5 & 6 Assessment	Unit 7 Assessment	Unit 8 Assessment	Unit 9 and 10 Assessment
Literacy/ Numeracy/ SMSC/ Character	Understanding and interpreting worded questions. Resilience and practicing diligence and organisation with good presentation.	Using Understanding and interpreting worded questions. Understanding nets and how they play a role in packaging and construction. Honing skills in plotting graphs of functions. Resilience and patience	Understanding and interpreting worded questions. Viewing objects and things in different positions and perspectives Understanding place values and its applications to real life. Seeing how Fractions, decimals and Percentages are used in data, in the new and sales.	Understanding and interpreting worded questions Using equipment correctly Using correct language to explain chances Resilience and paying attention to details. Practicing careful presentation	Understanding and interpreting worded questions Using protractor and equipment correctly Practicing careful presentation	Understanding and interpreting worded questions. Conversion to imperial units Conversion of currency.



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