



Curriculum Map

Subject: Mathematics

Year Group: 7 Core & Support

	Autumn 1/Autumn 2	Autumn 2	Autumn 2/Spring 1	Spring 2	Summer 1	Summer 2
Content	Unit 1: Number skills and decimals Unit 2: Fractions and Percentages	Unit 3: Ratio and Proportion Unit 4: Expressions, functions and formulae.	Unit 5: Sequences & Plotting Graphs Unit 6: Area Perimeter.	Unit 7: Lines and angles. Unit 8: Analysing and displaying data.	Unit 9: Probability	Unit 10: Transformations
Skills	Students will... Unit 1: Use order of operations. Add and subtract whole numbers. Multiplication and divide whole number. Solve problems involving time and money. Order, add, subtract, multiply and divide negative numbers Find factors, multiples and primes Identify HCF and LCM Recognise and use square and triangle numbers. Round decimals and estimate answers. Multiply decimals mentally. Work with decimals.	Students will... Unit 3: Use direct proportion in simple context. Write ratios. Use ratios to divide quantities. Use ratios and measures. Use fractions to describe and compare fractions. Use percentages to describe proportions. Unit 4: Find outputs and describe simple functions. Simplify expressions by collecting like terms. Write expressions.	Students will... Unit 5: Recognise, describe and continue sequences Find and describe pattern and rules in sequences Generate and plot Coordinates. Describe and extending special sequences Draw straight-line graphs Describe Position-to-term rules Find the nth term of sequences. Unit 6: Solve problems with perimeter. Solve problems with area.	Students will... Unit 7: Describe and label lines, angles and triangles Estimate, measure and draw angles Draw triangles accurately Calculate angles on a straight line and around a point Calculate angles in a triangle and quadrilaterals Unit 8: Find the mode, median and range. Display data. Interpret charts for grouped data.	Students will... Unit 9: Use the language of probability. Calculate probability. More probability calculations. Estimate probability based on experiment. Apply probability for experimental	Students will... Unit 10: Identify congruent shapes. Use the language of enlargements. Recognise line and rotational symmetry in 2D shapes. Describe and carry out reflection. Describe and carry out rotation. Translate 2D shapes and combined transformations.

	Autumn 1/Autumn 2	Autumn 2	Autumn 2/Spring 1	Spring 2	Summer 1	Summer 2
	Unit 2: Compare fractions. Simplify fractions. Work with fractions. Find equivalence of fractions and decimals. Understand percentages. Find percentages of amounts.	Substitute into formulae. Write formulae.		Calculate averages and compare data. Use and draw line graphs and more bar charts. Use spreadsheets.		
Key questions	Active learn book: KS3 Maths Progress – Theta 1 Unit 1 Practice Test Page 27 Active learn book: KS3 Maths Progress – Theta 1 Unit 5 Practice Test Page 141	Active learn book: KS3 Maths Progress – Theta 1 Unit 3 Practice Test Page 191 Active learn book: KS3 Maths Progress – Theta 1 Unit 3 Practice Test Page 85 Unit 4 Practice Test Page 115	Active learn book: KS3 Maths Progress – Theta 1 Unit 9 Practice Test Page 245 Active learn book: KS3 Maths Progress – Theta 1 Unit 5 Practice Test Page 141 Unit 6 Practice Test Page 165	Unit 8 Practice Test Page 219 Unit 2 Practice Test Page 57	Active learn book: KS3 Maths Progress – Theta 1 Unit 9 Practice Test Page 245	Active learn book: KS3 Maths Progress – Theta 1 Unit 10 Practice Test Page 273
Assessment	Unit 1 & 2 Assessment	Unit 3 & 4 Assessment	Unit 5 & 6 Assessment	Unit 7 & 8 Assessment	Unit 9 Assessment	Unit 10 Assessment
Literacy/ Numeracy/ SMSC/ Character	Understanding and interpreting worded questions Understanding place values and its applications to real life.	Understanding and interpreting worded questions Recipes, sharing and best values for money. Using correct phrases and	Understanding and interpreting worded questions Noticing patterns for sequences. Honing skills in plotting graphs of functions.	Understanding and interpreting worded questions Creating and interpreting own data studies e.g. surveys and charts.	Understanding and interpreting worded questions Using correct language to explain chances Resilience and patience	Understanding and interpreting worded questions Viewing objects and things in different positions and perspectives

	Autumn 1/Autumn 2	Autumn 2	Autumn 2/Spring 1	Spring 2	Summer 1	Summer 2
	Comparing fractions to find best deals in sales	terminology to explain reasons for answers Resilience, practicing diligence and paying attention to details		Team work and collaboration Using equipment correctly Using equipment correctly		Resilience, practicing diligence and paying attention to details



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Skills	Students will... Unit 1: Use order of operations. Add and subtract whole numbers. Multiplication and divide whole number. Solve problems involving time and money.	Students will... Unit 3: Use direct proportion in simple context. Write ratios. Use ratios to divide quantities. Use ratios and measures. Use fractions to describe and	Students will... Unit 5: Recognise, describe and continue sequences Find and describe pattern and rules in sequences Generate and plot Coordinates.	Students will... Unit 7: Describe and label lines, angles and triangles Estimate, measure and draw angles Draw triangles accurately Calculate angles on a straight line and around a point	Students will... Unit 9: Use the language of probability. Calculate probability. More probability calculations. Estimate probability based on experiment. Apply probability for experimental	Students will... Unit 10: Identify congruent shapes. Use the language of enlargements. Recognise line and rotational symmetry in 2D shapes. Describe and carry out reflection.

	Autumn 1/Autumn 2	Autumn 2	Autumn 2/Spring 1	Spring 2	Summer 1	Summer 2
	Order, add, subtract, multiply and divide negative numbers Find factors, multiples and primes Identify HCF and LCM Recognise and use square and triangle numbers. Round decimals and estimate answers. Multiply decimals mentally. Work with decimals. Unit 2: Compare fractions. Simplify fractions. Work with fractions. Find equivalence of fractions and decimals. Understand percentages. Find percentages of amounts.	compare fractions. Use percentages to describe proportions. Unit 4: Find outputs and describe simple functions. Simplify expressions by collecting like terms. Write expressions. Substitute into formulae. Write formulae.	Describe and extending special sequences Draw straight-line graphs Describe Position-to-term rules Find the nth term of sequences. Unit 6: Solve problems with perimeter. Solve problems with area.	Calculate angles in a triangle and quadrilaterals Unit 8: Find the mode, median and range. Display data. Interpret charts for grouped data. Calculate averages and compare data. Use and draw line graphs and more bar charts. Use spreadsheets.		Describe and carry out rotation. Translate 2D shapes and combined transformations.
Key questions	Active learn book: KS3 Maths Progress – Delta 1 Unit 1 Practice Test Page 27 Active learn book: KS3 Maths Progress – Delta 1	Active learn book: KS3 Maths Progress – Delta 1 Unit 3 Practice Test Page 191 Active learn book: KS3 Maths Progress – Delta 1	Active learn book: KS3 Maths Progress – Delta 1 Unit 9 Practice Test Page 245 Active learn book: KS3 Maths Progress – Delta 1	Unit 8 Practice Test Page 219 Unit 2 Practice Test Page 57	Active learn book: KS3 Maths Progress – Delta 1 Unit 9 Practice Test Page 245	Active learn book: KS3 Maths Progress – Delta 1 Unit 10 Practice Test Page 273

	Autumn 1/Autumn 2	Autumn 2	Autumn 2/Spring 1	Spring 2	Summer 1	Summer 2
	Unit 5 Practice Test Page 141	Unit 3 Practice Test Page 85 Unit 4 Practice Test Page 115	Unit 5 Practice Test Page 141 Unit 6 Practice Test Page 165			
Assessment	Unit 1 & 2 Assessment	Unit 3 & 4 Assessment	Unit 5 & 6 Assessment	Unit 7 & 8 Assessment	Unit 9 Assessment	Unit 10 Assessment
Literacy/ Numeracy/ SMSC/ Character	Understanding and interpreting worded questions Understanding place values and its applications to real life. Comparing fractions to find best deals in sales	Understanding and interpreting worded questions Recipes, sharing and best values for money. Using correct phrases and terminology to explain reasons for answers Resilience, practicing diligence and paying attention to details	Understanding and interpreting worded questions Noticing patterns for sequences. Honing skills in plotting graphs of functions.	Understanding and interpreting worded questions Creating and interpreting own data studies e.g. surveys and charts. Team work and collaboration Using equipment correctly Using equipment correctly	Understanding and interpreting worded questions Using correct language to explain chances Resilience and patience	Understanding and interpreting worded questions Viewing objects and things in different positions and perspectives Resilience, practicing diligence and paying attention to details