

Year 7 Core Mathematics

Learning Intentions Autumn Term 2

2024 - 2025

	LESSON 1	LESSON 2	LESSON 3
WEEK 9 wc 4 th November	<ul style="list-style-type: none"> Write decimals in order of size. Round decimals to the nearest whole number and to one decimal place. Round decimals to make estimates and approximations of calculations. 	<ul style="list-style-type: none"> Multiply and divide by 10, 100 and 1000. Compare measurements by converting them into the same units. 	<ul style="list-style-type: none"> Solve simple problems involving units of measurement in the context of length, mass and capacity. Convert between metric units of length, mass and capacity.
WEEK 10 wc 11 th November	<ul style="list-style-type: none"> Use scales and scale diagrams. Write decimal measures as two related units of measures. 	<ul style="list-style-type: none"> Multiply decimals by multiples of 10, 100 and 1000. Multiply decimals mentally. Understand where to position the decimal point by considering equivalent calculations. 	<ul style="list-style-type: none"> Add and subtract decimals. Multiply and divide decimals by single-digit whole numbers. Divide numbers that give decimal answers.
WEEK 11 wc 18 th November	<ul style="list-style-type: none"> Work out the perimeters of composite shapes and polygons. 	<ul style="list-style-type: none"> Solve perimeter problems. 	<ul style="list-style-type: none"> Find areas of irregular shapes by counting squares. Calculate the areas of shapes made from rectangles. Solve problems involving area.
WEEK 12 wc 25 th November	<ul style="list-style-type: none"> Choose suitable units to estimate length and area. 	<ul style="list-style-type: none"> Use units of measurement to solve problems. 	<ul style="list-style-type: none"> Use metric and imperial units.
WEEK 13 wc 2nd December	<ul style="list-style-type: none"> PAZ Revision – expressions, functions & formulae 	<ul style="list-style-type: none"> PAZ Revision – analysing & displaying data 	<ul style="list-style-type: none"> PAZ Assessment

WEEK 14 wc 9 th December	<ul style="list-style-type: none"> Solve problems involving money and time using a calculator. 	<ul style="list-style-type: none"> Order positive and negative numbers. Add and subtract positive and negative numbers. 	<ul style="list-style-type: none"> Begin to multiply with negative numbers.
WEEK 15 wc 16 th December	<ul style="list-style-type: none"> Identify common factors, the highest common factor and the lowest common multiple. 	<ul style="list-style-type: none"> Recognise prime and square numbers. Use a calculator to find squares and square roots. 	<ul style="list-style-type: none"> Use the priority of operations including powers. Use index form for powers.