Year 9 Core Mathematics

Learning Intentions Autumn Term 2 2024 - 2025

	LESSON 1	LESSON 2	LESSON 3
WEEK 9 wc 4th November	• Write and solve equations with fractions.	• Write and solve equations with the unknown on both sides.	• Set up and solve equations from worded problems. • Set up and solve equations using perimeter problems.
WEEK 10 wc 11th November	• Use the priority of operations when substituting into algebraic expressions.	• Substitute values into expressions involving powers and roots.	• Write and use formulae.
WEEK 11 wc 18th November	• Substitute into formulae and then solve equations to find unknown values.	• Change the subject of a formula.	• Use the rules for indices for multiplying and dividing.
WEEK 12 wc 25th November	• Simplify expressions involving brackets.	• Factorise an expression by taking out an algebraic common factor.	• Multiply out double brackets and collect like terms.
WEEK 13 wc 2nd December	• PAZ Revision – dealing with data	• PAZ Revision – indices & standard form	• PAZ Assessment
WEEK 14 wc 9th December	• Identify fractions more than ½ or less than ½. • Order fractions.	• Add and subtract fractions with any size denominator.	• Multiply integers and fractions by a fraction. • Use appropriate methods for multiplying fractions.
WEEK 15 wc 16th December	• Use strategies for dividing fractions. • Find the reciprocal of a number.	• Write a mixed number as an improper fraction. • Use the four operations with mixed numbers.	• Solve problems involving the four operations with fractions.