

YEAR 8		KS3 Maths Progress
TERM	UNIT / LESSON	LEARNING INTENTIONS
AUTUMN	4 Expressions and equations	
Wk08 30/10/2023	4.1 Algebraic powers	Understand and simplify algebraic powers. Substitute values into formulas involving powers.
	4.2 Expressions and brackets	Expand brackets. Make and simplify algebraic expressions.
	Theta 3: 2.2 Writing expressions and formulae	Substitute into algebraic expressions involving powers.
Wk09 06/11/2023		Write expressions and formulae. Change the subject of a formula.
		Simplify expressions involving brackets, use rules for indices and factorise expressions. Multiply out double brackets and collect like terms.
Wk10 13/11/2023	4.3 Factorising expressions	Factorise expressions.
	4.4 One-step equations	Find the inverse of a function. Solve simple equations using function machines. Solve real life problems using equations.
	4.5 Two-step equations	Solve two-step equations using function machines. Solve real life problems using equations.
Wk 11 20/11/2023	4.6 The balancing method	Solve equations using the balancing method. Solve equations with the unknown number on both sides.
	5 Real-life graphs	
	5.1 Conversion graphs	Reading values from conversion graphs. Plotting conversion graphs from a table of data.
	5.2 Distance-time graphs	Interpreting distance-time graphs. Plotting distance-time graphs from descriptive text. Using distance-time graphs to solve problems.
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Wk 12 27/11/2023	5.3 Line graphs	Plotting line graphs from tables of data. Interpreting line graphs.
	5.4 Complex line graphs	Reading values from real-life graphs. Describing trends and making predictions based on information presented graphically. Working out percentages.
Wk 13 04/12/2023	5.5 STEM: Graphs of functions	Draw, use and interpret conversion graphs. Draw, use and interpret distance-time graphs. Draw and interpret line graphs. Draw, use and interpret real-life graphs.
		Discuss and interpret linear and non-linear graphs.
Wk 14 11/12/2023	5.6 More real-life graphs	Interpreting graphs. Drawing and using real-life graphs. Using graphs to solve problems and make predictions.
REVIEW		