

YEAR 8 CURRICULUM INFORMATION 2024-25 - MATHEMATICS			
	Autumn 1	Autumn 2	
What will students be learning?	 Ratio and scale Multiplicative change Multiplying and dividing fractions 	 Working in the cartesian plane Representing data Tables and probability 	
How will students be assessed?	There will be milestone assessments on each topic	 There will be milestone assessments on each topic as well as an assessment in 2 levels 	
Literacy – What keywords will be taught?	Ratio, proportion, equal parts, relationship, order, placeholder, units, share, equivalent, simplify, compare, denominator, numerator, perimeter, circumference, radius, diameter, constant, pi, gradient, slope, steep, linear, variable, conversion, axes, origin, orientation, enlargement, object, image, plan, product, commutative, reciprocal.	Quadrant, coordinate, horizontal, vertical, axis, parallel, perpendicular, equation, diagonal, scale, substitute, unitary, multiplier, input, output, intercept, ascending, descending, integer, symmetrical, midpoint, equidistant, correlation, line of best fit, outlier, extrapolate, discrete, continuous, qualitative, quantitative, frequency, grouped, ungrouped, tally, systematic, outcomes, unbiased, union, intersection.	
What employability skills are being developed?	 Problem Solving Resilience Application of skills Real life problems Methodical 	 Problem Solving Resilience Application of skills Real life problems Methodical 	
Wider Curriculum Links?	 Students will come across ratio and fractions in the wider curriculum (Music, Science, Geography) 	 Students will come across data and probability in the wider curriculum (Geography, Food technology, Science, PE, Business) 	
What useful websites are there for this topic?	SparxCorbett maths	SparxCorbett maths	
What wider reading could be done for this topic?	 Revision Guides and workbooks available on parent pay 	Revision Guides and workbooks available on parent pay	
What else can students be doing independently to develop their understanding of this topic?	 Using knowledge organiser to test recall Practising the questions on Sparx Complete revision material on our website 	 Using knowledge organiser to test recall Practising the questions on Sparx Complete revision material on our website 	



	Spring 1	Spring 2
What will students be learning?	 Brackets, equations and inequalities Sequences Indices 	 Fractions and percentages Standard index form Developing number sense
How will students be assessed?	• There will be milestone assessments on each topic	• There will be milestone assessments on each topic
Literacy – What keywords will be taught?	Expression, simplify, substitute, coefficient, equivalent, directed, identity, factorise, binomial, quadratic, solve, inequality, sequence, Fibonacci, algebraic, base, index, power, exponent.	Numerator, denominator, equivalent, rounding, conversion, profit, loss, interest, invest, original, reverse, index, exponent, commutative, scientific notation, reciprocal, root, significant, over/underestimate, discrete, continuous, bound, order, priority, deposit, debit, credit, balance, prefix, dimensions.
What employability skills are being developed?	 Problem Solving Resilience Application of skills Real life problems Methodical 	 Problem Solving Resilience Application of skills Real life problems Methodical
Wider Curriculum Links?	 Students will come across patterns, sequences and equations in the wider curriculum (Music, Art, Science, Geography) 	 Students will come across Fractions, decimals and percentages in the wider curriculum (Geography, Food technology, Science, Business, Music)
What useful websites are there for this topic?	SparxCorbett maths	SparxCorbett maths
What wider reading could be done for this topic?	Revision Guides and workbooks available on parent pay	Revision Guides and workbooks available on parent pay
What else can students be doing independently to develop their understanding of this topic?	 Using knowledge organiser to test recall Practising the questions on Sparx Complete revision material on our website 	 Using knowledge organiser to test recall Practising the questions on Sparx Complete revision material on our website



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	Summer 1	Summer 2	
What will students be learning?	 Angles in parallel lines and polygons Area of trapezia and circles Line symmetry and reflection 	Data handlingMeasures of location	
How will students be assessed?	There will be milestone assessments on each topic	There will be milestone assessments on each topic as well as an assessment in 2 levels	
Literacy – What keywords will be taught?	Line segment, polygon, segment, interior, exterior, protractor, construct, parallel, perpendicular, equilateral, isosceles, scalene, kite, rhombus, parallelogram, trapezium, edges, vertices, angles, decagon, diagonal, adjacent, vertically opposite, transversal, corresponding, alternate, co-interior, supplementary, bisect, justify, proof, infinity, radius, pi, diameter, symmetry, congruent, reflect.	Hypothesis, investigation, enquiry, primary/secondary data, sample, questionnaire, biased, pictogram, bar chart, tally, frequency, scale, axes, key, pie chart, fraction, proportion, scatter graph, bivariate, frequency diagram, intervals, discrete, continuous, average, range, spread, consistent, distribution, mislead.	
What employability skills are being developed?	 Problem Solving Resilience Application of skills Real life problems Methodical 	 Problem Solving Resilience Application of skills Real life problems Methodical 	
Wider Curriculum Links?	 Students will come across geometry in the wider curriculum (Art, Technology, Science) 	 Students will come across data in the wider curriculum (Geography, Science, Business) 	
What useful websites are there for this topic?	SparxCorbett maths	SparxCorbett maths	
What wider reading could be done for this topic?	 Revision Guides and workbooks available on parent pay. 	• Revision Guides and workbooks available on parent pay.	
What else can students be doing independently to develop their understanding of this topic?	 Using knowledge organiser to test their recall. Practising the questions on Sparx. Complete revision material on our website . 	 Using knowledge organiser to test their recall. Practising the questions on Sparx. Complete revision material on our website. 	

