

YEAR 8 CURRICULUM INFORMATION 2026-27 - MATHEMATICS

	Autumn 1	Autumn 2
What will students be learning?	- Ratio - Proportion and scale - Algebraic manipulation	- Coordinates and graphs - Multiply and divide fractions - Symmetry and reflection
How will students be assessed?	There will be 2 checkpoint assessments on selected topics	There will be a Trust assessment in November in 2 tiers
Literacy – What keywords will be taught?	Ratio, proportion, equal parts, bar model, whole, parts, difference, simplify, simplest form, equivalent, factor, common factor, highest common factor, unit ratio, fraction, numerator, denominator, direct proportion, scaling, unit price, linear, axes, conversion, approximate, unit, origin, exchange rate, currency, convert, linear, similar shapes, corresponding, orientation, scale factor, metric system, milli-, centi-, kilo-, scale diagram, plan.	Quadrant, coordinate, horizontal, vertical, axis, axes, parallel, perpendicular, equation, diagonal, scale, denominator, numerator, product, commutative, reciprocal, symmetry, congruent, reflect.
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 proportion in the wider curriculum (Music, Science, Geography)	Students will come across fractions, graphs and symmetry in the wider curriculum (Geography, Food technology, Science, PE, Business, Art)
What useful websites are there for this topic?	- Sparx - Corbett maths	- Sparx - Corbett 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

YEAR 8 CURRICULUM INFORMATION 2026-27 - MATHEMATICS

	Spring 1	Spring 2
What will students be learning?	- Area, volume and density - Equations and inequalities - Percentages	- Indices - Standard form - Interpret and represent data
How will students be assessed?	There will be 2 checkpoint assessments on selected topics	There will be 2 checkpoint assessments on selected topics
Literacy – What keywords will be taught?	Area, volume, density, rate, expression, simplify, substitute, coefficient, equivalent, directed, identity, factorise, binomial, quadratic, solve, inequality, profit, loss, interest, invest, original, reverse.	Base, index, power, exponent, base, index, power, exponent, 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.
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 compound measures, percentages and equations in the wider curriculum (Business, Science, Geography, Food technology)	Students will come across standard form and data in the wider curriculum (Geography, Science, Business)
What useful websites are there for this topic?	- Sparx - Corbett maths	- Sparx - Corbett 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 - Tables and probability	- Circles - Graphs and charts - Sequences
How will students be assessed?	There will be 2 checkpoint assessments on selected topics	There will be a Trust assessment in June in 2 tiers
Literacy – What keywords will be taught?	Line segment, polygon, segment, interior, exterior, protractor, construct, parallel, perpendicular, edges, vertices, angles, decagon, diagonal, adjacent, vertically opposite, transversal, corresponding, alternate, co-interior, supplementary, , discrete, continuous, qualitative, quantitative, frequency, grouped, ungrouped, tally, systematic, outcomes, unbiased, union, intersection.	Perimeter, circumference, radius, diameter, constant, pi, pictogram, bar chart, tally, frequency, scale, axes, correlation, line of best fit, outlier, extrapolate key, pie chart, sequence, Fibonacci, algebraic, base, index, power, exponent.
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 and tables in the wider curriculum (Art, Technology, Science, Geography, Business)	Students will come across data, charts and sequences in the wider curriculum (Geography, Science, Business, Art)
What useful websites are there for this topic?	- Sparx - Corbett maths	- Sparx - Corbett 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.

