

Time Period	Autumn Term	Spring Term	Summer Term
Content	- Factors, Multiples, Powers and Roots and Negative Numbers - Parallel Lines, Transformations and Constructions - Probability - Algebraic Expressions and Laws of Indices - Percentages (use of multipliers) - Area and Volume - Numbers in Standard Form	- Linear and non-Linear Graphs - Use of Ratios to compare length, area and volume - Ratios in real life - Interpreting Data - Fractions and Decimals - Direct and Inverse Proportion - Circles - Congruent shapes - Revision of key topics from Autumn Term	- Equations and formulae - Comparing data - Revision of key topics from Spring Term
Skills	Number multiply and divide negative numbers, HCF and LCM, powers and roots, prime factors calculate percentages, calculate the value after a percentage increase/decrease using a multiplier, calculate the percentage change powers of 10, rounding to the asked number of significant figures, standard form with large numbers, multiplying with numbers in standard form Algebra algebraic notation (complex expressions), collect like terms, expand brackets, form algebraic expressions, apply laws of indices to simplify expressions, introduction to factorisation Geometry angles in parallel lines, geometric properties of quadrilaterals, translations, enlargements, compass and ruler constructions conversion between metric units for area & volume, surface area of prisms, volume of prisms Probability mutually exclusive and exhaustive events, sample space diagrams, theoretical and experimental probability	Number add, subtract, multiply and divide fractions, multiply fractions and integers, divide fractions by integers and integers by fractions, strategies to perform multiplication and division involving decimals efficiently Algebra graphs from linear equations, gradient of a straight line, graphs from quadratic equations, real-life graphs Statistics interpret graphs and diagrams, relative sized pie charts, read and create scatter graphs Ratio and Proportion enlargements using fractional scale factors, use ratios to compare lengths, areas and volumes of 2D and 3D shapes, ratios in maps and scale drawings direct proportion, represent direct proportion algebraically and graphically, inverse proportion, understand the difference between direct and inverse proportion Geometry parts of a circle, calculate the circumference and area of circles using a formula recognise congruent shapes, solve geometrical problems using congruent triangles	Algebra solve equations with brackets, equations with variables on both sides, solve more complex equations, rearrange equations and formulae Statistics create grouped frequency tables from raw data, interpret/draw frequency diagrams from grouped frequency tables, compare data from two sources, recognise when a statistical chart may be misleading
Assessment week and content	11.11.25 All of the above, <u>except</u> content highlighted in green	03.02.26 Grow and Succeed Content highlighted in green in Spring Term and Autumn Term	w/c 04.05.26 All the content covered over the year