

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topic(s)	Numeracy 3 (Properties and indices)	Algebra 2 (Equations)	Geometry 2 (2D and 3D shapes)	Ratio/ statistics 2 (Ratio, grouped data, probability)	Geometry 3 (SDT and transformations)	Functional skills
Topic Objectives	Extend application of number to include manipulation of number to include standard form and index laws.	Extend application of algebra through: substitution, and solving. Application extended to linear equations that include bracket and fractions.	To consolidate measurement, 2D and 3D shape terminology and area and perimeter. Extension topics will include conversion between measurements, area and perimeter of compound shapes and calculating proportion of circles.	To recall basic ratio problems including simplifying and dividing quantities into given ratio, grouped data (stem and leaf, averages) and probability skills. Extension topics will include proportionality and the extended skills to make decision with grouped data.	To recall conversion of measurements. To recap transformations such as reflection and rotation. Extension includes the introduction of enlargement and translation. Multi- step problems including SDT and transformations will also be targeted to extend and challenge students.	To recap probability terminology. Extension to include construction of tree diagrams and two-way tables.
Acquired Knowledge/Skills	Challenge for higher sets include basic numeracy but extends to the laws of indices, factors and multiples, fractions and standard form.	Recap core terminology of algebraic manipulation, introduce forming, rearranging and solving linear equations.	Recap terminology of conversions and 2D shapes. To extend through reasoning and problem solving through compound problems.	To apply skills learnt using recapped terminology. Extension includes application of skills to compare data, justify decision making or understand bias.	Know and understand conversion and compound measures. Consolidate knowledge to problem solve through application of measurement conversions and multi-step problems.	To apply skills recalled to represent data using specific mathematical notations. Extensions includes introduction of independent events and financial modelling with algebra enabling students to apply skills learnt.
Assessments	Cumulative unit 7 assessment, including all topics to date	Cumulative unit 8 assessment, including all topics to date	Cumulative unit 9 assessment, including all topics to date	Cumulative unit 10 assessment, including all topics to date	Cumulative unit 11 assessment, including all topics to date	Cumulative unit 12 assessment, including all topics to date