WEST HILL SCHOOL

	Term 1 (September – December)	Term 2 (January – March)	Term 3 (April – July)
Year 7 THEMES	**Numeracy and equipment skills** **Algebra** **Probability**	**Statistics** **Geometry and measures**	**Number** **Ratio, proportion and rates of change** **Statistics**
Build on prior knowledge gained in KS2 Mastery of methods Develop confidence and fluency across all disciplines Problem solving in real life contexts	**Induction Unit** Basic numeracy and equipment skills; calculators, protractors, compass **Unit 1: Algebra Basics** Algebra notation, substitution, simplifying expressions, expanding and factorising expressions, understanding and using formulae **Unit 2: Probability** Basics of probability, mutually exclusive events, probability as fractions, decimals and percentages, experimental probability, probability diagrams **Unit 3: Sequences** Recognising number sequences, the nth term, the Fibonacci sequence and geometric progressions	**Unit 4: Representing Data** Tables, types of data, scatter graphs, pie charts, time series graphs, sampling methods **Unit 5: Shapes and Angles** Properties of shapes, basic angle facts, angles in triangles and quadrilaterals, parallel and perpendicular rules, polygons, similarity and congruence, circles **Unit 6: Perimeter, Area and Volume** Basic perimeter and area calculations, area of more complex shapes, surface area, volume, cylinders, spheres and cones	**Unit 7: Addition and Subtraction** Methods, money, negative numbers, problem solving, rounding and estimating **Unit 8: Multiplication and Division** Mental methods, whole numbers and decimals, problem solving, money problems, estimating **Unit 9: Fractions, Decimals, Percentages** Equivalence, basics of fractions, fraction arithmetic, recurring decimals, basics of ratio **Unit 10: Averages** Simple charts, calculating averages, analysing the use of different measures of average, using grouped data
Assessment	Baseline entry assessment 3 end of unit checkpoints End of term assessment (units 1 to 3)	3 end of unit checkpoints End of term assessment (units 4 to 6)	Baseline progress assessment 4 end of unit checkpoints End of term assessment (units 7 to 10)