

The identified key concepts are taught for depth both at **procedural knowledge** level but more importantly the **application** of these key skills

Mathematics Curriculum Map Y8

Weekly homework is set on Sparx Maths. The tasks set on homework are sequenced to allow students to cover content previously covered in class.

Summative assessments, based on the content covered as well as areas of previous weakness are sat once per half term.

STATISTICS AND PROBABILITY:

Transformations, averages, pie charts, scatter graphs, two way tables, venn diagrams

FURTHER ALGEBRA

Plotting straight line graphs and understanding $y = mx + c$

Term 3

SHAPE SPACE & MEASURE

Area of trapeziums and compound shapes, circles, further volume and surface area problems, further angles work, Pythagoras' Theorem

Term 2

RATIO AND PROPORTION

Direct Proportion, recipe problems, simplifying ratio, sharing and inverse ratio, similarity problems, scale drawings

ALGEBRA

Substitution, expanding factorising solving equations, sequences, solving single and double inequalities, function notation, index laws

NUMBER

Mixed calculations with negative numbers, BIDMAS, Fraction calculations including mixed numbers, decimals, basic percentages, increase and decrease by percentages, percentage change, using prime factorisation to find HCF and LCM, estimation

At the end of each topic, students will complete a progress check that will inform future short term and medium term planning.

Retrieval work every lesson is based on areas of weakness from previous assessments/progress checks as well as recently covered topics

Term 1