

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 Y7

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

STATISTICS AND PROBABILITY:

Reflections and rotations, averages from a list of data, pictograms, line graphs, frequency polygons, stem and leaf diagrams, pie charts, scatter graphs, basic probability

FURTHER ALGEBRA

Working with co ordinates in all 4 quadrants, drawing graphs using simple rules, drawing straight line graphs from their equation.

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

Term 3

SHAPE SPACE & MEASURE

Area and perimeter of 2D shapes, area and circumference of circles and part circles, nets, plans, elevation and surface area of 3D shapes, basic angle factors, angles in parallel lines, Pythagoras' Theorem

Term 2

RATIO AND PROPORTION

Time problems, Reading timetables

ALGEBRA

Function machines, sequences, substitution, collecting like terms, solving equations,

NUMBER

Number operations, negative numbers, BIDMAS, fractions, decimals, percentages, multiples and factors, HCF and LCM, prime factorisation, rounding to degrees of accuracy

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