

Mathematics-Year 9 Curriculum

Content (Intent)	Links to prior learning	Skills and Assessment (Implementation)	Expected Learning Outcomes (Impact)
Term 1 Measures and area Equations 3D shapes Standard Form Sequences	Metric measures Imperial measures Area Circumference of a circle Equality and inequality Solving equations Balancing equations Writing equations Three-dimensional shapes Nets Plans and elevations Volume of a cuboid Shapes made from cuboids Surface area of a cuboid Standard form Term-to-term rules Position-to-term rules The nth term formula Recursive sequences	Essentials Assessments based on Number work Combined End of Unit assessment based on work covered	Explore measures of length and area in 2D shapes. Solve problems involving compound measures. Advanced knowledge on solving linear equations. Explore: simultaneous equations, trial and improvement, inequalities. Represent 3D shapes in 2D form. Calculate measures of 3D shapes. Represent and calculate using standard form. Explore different types of sequences in abstract and real life.
Term 2 Transformations, symmetry and Bearings Probability Ratio and proportion	Reflection and rotation symmetry Reflection Translation Rotation Enlargement Scale drawings Bearings Probability Mutually exclusive events Theoretical probability	Essentials Assessments based on Number work Combined End of Unit assessment based on work covered	Perform and describe multiple transformations. Solve problems to do with scale drawings and bearings. Record, describe and analyse frequencies. Solve ratio and proportion problems.

	Probability experiments Venn diagrams Ratio Dividing in a given ratio Ratio and proportion Percentages and proportion Proportional reasoning Living on a budget		
GCSE COURSE COMMENCES FOR ALL CLASSES Please refer to KS4 Curriculum Map			

Additional features:

All units are cross referenced to KS2 teaching to ensure continuity.

KS2 topics will be re-visited to ensure that all year 7 and 8 students are secondary school ready!

Each unit and each topic have a specific number of hours allocated to it.

Formative (deep marking/End of unit test) and summative assessment dates have been included to ensure students progress is accurately and timely measured.

Reference to ICT; MyMaths, Kerboodle, mathsbot and mathsbox.

