

YEAR 8 CURRICULUM MEDIUM TERM PLAN - MATHS



TOPIC	KEY LEARNING	ASSESSMENT
HT 1: Number HT 1: Area & Volume	Working with calculations. Divisibility and division. Calculating with negative integers. Powers, roots and brackets. Powers, multiples and factors. Areas of triangles, parallelograms and trapeziums. Volume of cubes and cuboids. 2d representation of 3d solids. Using and working with measures	<u>Assessment on:</u> Number Area & Volume
HT 2: Statistics Graphs and Charts HT 2: Expressions & Equations	Pie charts. Using statistical tables. Stem and leaf diagrams. Comparing data. Scatter graphs. Misleading graphs. Algebraic powers. Expressions and brackets. Factorising expressions. Solving 1 step and 2 step equations. Using the balancing method.	<u>Assessment on:</u> Statistics Graphs and Charts Expressions and Equations
HT 3: Real Life Graphs HT 3: Decimals & Ratio	Conversion graphs. Distance-time graphs. Line graphs. Real life graphs. Curved graphs. Ordering decimals and rounding. Place value calculations. Calculations with decimals. Ratio and proportion with decimals.	<u>Assessment on:</u> Real Life Graphs Decimals & Ratio
HT 4: Lines & Angles	Quadrilaterals. Alternate angles and proof. Angle in parallel lines. Exterior and interior angles. Solving geometric problems.	<u>Assessment on:</u> Lines & Angles
HT 5: Calculating with Fractions HT 5: Straight Line Graphs	Ordering Fractions. Adding & subtracting fractions. Multiplying fractions. Dividing fractions. Calculating with mixed numbers. Direct proportion on graphs. Gradients of a straight line. Equations of straight lines.	<u>Assessment on:</u> Calculating with Fractions Straight Line Graphs
HT 6: Percentages Decimals & Fractions	Fractions and decimals. Equivalent proportions. Writing percentages. Percentages of amounts.	<u>Assessment on:</u> Percentages Decimals & Fractions