

# Willow Park School - Long Term Plan – Maths – Loxley (KS3)



Loxley KS3	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Year 7</b>	<b>Place Value &amp; Proportion</b> -Place value & ordering integers & decimals -Fraction, decimal & percentage equivalence	<b>Algebraic Thinking</b> -Sequences -Understand & use algebraic notation - Equality & Equivalence	<b>Applications of Number</b> - Solving problems with addition and subtraction - Solving problems with multiplication & division - Fractions & percentages of amounts	<b>Directed Number</b> -Operations & Equations with Directed Number  <b>Fractional Thinking</b> -Addition & Subtraction of Fractions	<b>Lines &amp; Angles</b> -Constructing, measuring & using geometric notation -Developing Geometric Reasoning	<b>Reasoning with Number</b> -Developing Number Sense -Sets & Probability -Prime Numbers & Proof
<b>Year 8</b>	<b>Proportional Reasoning</b> -Ratio and Scale -Multiplicative Change -Multiplying and Dividing Fractions	<b>Representations</b> -Working in the Cartesian Plane -Representing Data -Tables and Probability	<b>Algebraic Techniques</b> -Brackets, equations & Inequalities -Sequences -Indices	<b>Developing Number</b> -Fractions & Percentages -Standard Index Form -Number Sense	<b>Developing Geometry</b> -Angles in parallel Lines & Polygons -Area of Trapezia & Circles -Line symmetry & Reflection	<b>Reasoning with Data</b> -The Data Handling Cycle -Measures of Location
<b>Year 9</b>	<b>Reasoning with Algebra</b> -Straight Line Graphs -Forming & Solving Equations -Testing Conjectures	<b>Constructing in 2 &amp; 3 Dimensions</b> -Three Dimensional Shapes -Constructs & Congruency	<b>Reasoning with Number</b> -Numbers -Using Percentages -Maths & Money	<b>Reasoning with Geometry</b> -Deduction -Rotation & Translation -Pythagoras' Theorem	<b>Reasoning with Proportion</b> -Enlargement & Similarity -Solving ratio & Proportion Problems -Rates	<b>Representations</b> -Probability  <b>Algebraic Representation</b>