

Maths Department - Year 6 Scheme of Work

Helpful Links: [National Curriculum](#)

[White Rose Maths](#)

Term	Title	Unit content	Resource links:
Autumn 1	Place Value Addition, subtraction, multiplication and division	<ul style="list-style-type: none">• Numbers up to 100,000• Numbers up to 10,000,000• Read numbers up to 10,000,000• Compare and order any integer• Round any integer• Negative numbers <ul style="list-style-type: none">• Addition and subtraction• Common factors and common multiples• Prime numbers• Squared and cubed numbers• Divisibility rules• Multiply up to 4-digit numbers by 2-digit numbers• Solving problems with multiplication• Short division• Introduction to long division• Solving multi-step problems• Order of operations	WRM Place value WRM - 4 operators
Autumn 2	Fractions	<ul style="list-style-type: none">• Equivalent fractions• Simplifying fraction• Compare and order fractions• Add and subtract fractions• Add and subtract mixed fractions• Multi step problems <ul style="list-style-type: none">• Multiply fractions by an integer	WRM - Fractions (Addition and Subtraction)

Maths Department - Year 6 Scheme of Work

Term	Title	Unit content	Resource links:
	Converting units	<ul style="list-style-type: none"> • Multiply fractions by a fraction • Divide fractions by an integer • Fraction of an amount • Metric units • Converting metric units • Miles and km • Imperial measures 	WRM - Fractions (Multiplication and Division) WRM - Fractions (Converting Units)
Assessment point 1			
Spring 1	Ratio Algebra Decimals	<ul style="list-style-type: none"> • Introduction to Ratio • Ratio and fractions • Scale drawing and factors • Ratio problems • Proportion problems • 1 and 2 step function machines • Form expressions • Substitution • Formulae • Forming equations • 1 and 2 step equations • Pairs of values • Place value • Rounding decimals • Add and subtract decimals • Multiply and divide decimals 	WRM - Ratio WRM - Algebra WRM - Decimals

Maths Department - Year 6 Scheme of Work

Term	Title	Unit content	Resource links:
Spring 2	<p>Fractions, Decimals and percentages</p> <p>Area, perimeter and Volume</p> <p>Statistics</p>	<ul style="list-style-type: none"> • Equivalent fractions and decimals • Understanding percentages • Fractions to percentages • Equivalent fractions, decimals and percentages • Ordering fractions, decimals and percentages • Percentage of an amount • Area and perimeter • Area of a triangle • Area of a parallelogram • Volume • Line graphs • Bar charts • Pie charts including percentages • The mean 	<p>WRM - Fractions, Decimals and Percentages</p> <p>WRM - Area, Perimeter and Volume</p> <p>WRM - Statistics</p>
Assessment point 2			
Summer 1	Shape	<ul style="list-style-type: none"> • Measure and classify angles • Calculate angles • Vertically opposite angles • Angles in a triangle • Angles: quadrilaterals • Angles in polygons • Circles • Drawing shapes accurately • Nets of 3D shapes 	WRM - Shape
Summer 2	Geometry	<ul style="list-style-type: none"> • The first quadrant • Read and plot points in four quadrants • Coordinates 	WRM - Geometry

Maths Department - Year 6 Scheme of Work

Term	Title	Unit content	Resource links:
	Revision	<ul style="list-style-type: none">• Translations• Reflections Review and consolidation of Year 6 topics	WRM - Revision
Assessment point 3			