

Kestrel Class Maths Overview 2021 - 2022

Autumn Term

Week	Block	Topic	Objective
1	Place Value		<ul style="list-style-type: none"> - Values of digits: written, large numbers etc - Decimals - Expanded forms
2			<ul style="list-style-type: none"> - Rounding numbers - Multiplying and dividing by 10, 100 and 1000 - Estimation
3	Addition and subtraction		<ul style="list-style-type: none"> - Formal methods- inverses, missing numbers/ algebra - Money/ decimals - Estimation and mental strategies
4			<ul style="list-style-type: none"> - Perimeter - Angles in a straight line/ in shapes
5	Multiplication and division		<ul style="list-style-type: none"> - Times tables recap (inc. 30×4, 0.4×3 etc) - Enlargements and scale factors - Multiples, factors and prime numbers - Finding two unknowns
6			<ul style="list-style-type: none"> - Formal methods- inverses, missing number/algebra - Square and cube numbers and square roots - Area and volume of shapes
7			<ul style="list-style-type: none"> - Formulas - Areas of triangles and parallelograms
8			Assessment week
1	Shape		<ul style="list-style-type: none"> - Names of 2D and 3D shapes - Reflection, translation, rotation and enlargement - Circles
2	Fractions		<ul style="list-style-type: none"> - Ordering fractions - Equivalent and simplifying fractions - Mixed and improper fractions
3			<ul style="list-style-type: none"> - Calculating with fractions
4			<ul style="list-style-type: none"> - Fractions of amounts - Converting between miles and kilometres - Percentages of amounts

5			<ul style="list-style-type: none"> - Creating pie charts - Converting between fractions, percentages and decimals.
6	Ratio		<ul style="list-style-type: none"> - Sharing in ratios - Finding ratios
7			Assessment Week

Objectives being covered elsewhere:

- Statistics (line graphs and mean in Science)

Spring Term

Week	Block	Topic	Objective
1	Calculation		- Recap of 4 main operations (inverses, missing number calculations, look at arithmetic scores)
2			- Problem solving involving calculation: (money questions, long word problems, explaining answers)
3	Measures		<ul style="list-style-type: none"> - Units of measure - Estimating weight, capacity and length - Finding the mean
4			- Area and perimeter- links, measuring with a ruler
5			<ul style="list-style-type: none"> - Timetables - Calculating time intervals and times before and after
6			Assessment Week
1			Revision: Calculation
2			Revision: Fractions
3			Revision: Shape

4		Revision: Measure
5		Revision: Ratio and algebra
6		Assessment Week

Summer term

Summer 1- Revision for Key Stage 2 SATs.

Summer 2- Problem solving and real-life Maths applications (e.g. running a business)