Maths – Whole School Overview

Year group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS	Numbers to 10 Shape	Numbers to 20 Patterns	Shape & Space Working with numbers to 10	Time Doubling & Halving	Measures Addition & Subtraction	Problem Solving Consolidation
1	Number & Place Value	Addition & Subtraction	Multiplication & Division	Shape Position & Direction	Fractions	Time Consolidation
2	Number & Place Value	Addition & Subtraction	Multiplication & Division	Fractions Shape	Shape SATs Consolidation	Position & Direction Statistics
3	Number & Place Value	Addition & Subtraction	Multiplication & Division	Fractions	Time	Shape Position & Direction
4	Number & Place Value	Addition & Subtraction	Multiplication & Division	Fractions & Decimals Statistics	Time	Shape Position & Direction
5	Number & Place Value	Addition & Subtraction	Multiplication & Division	Fractions, Decimals & Percentages	Time Statistics	Geometry Consolidation
6	Number & Place Value	Fractions & Decimals Statistics	Algebra Shape	Revision	SATs Statistics	Investigations

Fractions

	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Progressive Skills		**Recognise, find and name a half as one of two equal parts of an object, shape or quantity**. Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.	**Recognise, find, name and write fractions 1/3, 1/4, 2/4 and 3/4 of a length, shape, set of objects or quantity.** Write simple fractions for example, 1/2 of 6 = 3 and recognise the equivalence of 2/4 and 1/2.	**Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10.** **Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.** Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators. **Recognise and show, using diagrams, equivalent fractions with small denominators.** Add fractions with the same	**Recognise and show, using diagrams, families of common equivalent fractions.** **Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.** Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number. Add and subtract fractions with the same denominator. Recognise and write decimal equivalents of any	**Compare and order fractions whose denominators are multiples of the same number.** Identify and name equivalent fractions of a given fraction, represented visually, including tenths and hundredths. Write equivalent fractions of a given fraction, represented visually, including tenths and hundredths. Recognise mixed numbers and improper fractions and convert from one form to the other, and write mathematical statements > 1 as a mixed number e.g. 2/5 + 4/5 = 6/5 = 1 and 1/5. Add and subtract fractions with the same denominator and denominators	Use common factors to simplify fractions; use common multiples to express fractions in the same denomination. Compare and order fractions, including fractions > 1. Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions. Multiply simple pairs of proper fractions, writing the answer in its simplest form e.g. 1/4 × 1/2 = 1/8. Divide proper fractions by whole numbers e.g. 1/3 ÷ 2 = 1/6. Associate a fraction with division and calculate decimal fraction

				Column 5	Column 6	Column 7	Column 8
				denominator within one whole e.g. 5/7 + 1/7 = 6/7. Subtract fractions with the same denominator within one whole e.g. 6/7 - 1/7 = 5/7. Compare and order unit fractions, and fractions with the same denominators. Solve fraction problems.	number of tenths or hundredths. Recognise and write decimal equivalents of 1/4, 1/2, 3/4. Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths. **Round decimals with one decimal place to the nearest whole number.** Compare numbers with the same number of decimal places (up to two decimal places). **Solve simple measure and money problems involving fractions, and decimals with up to two decimal places.**	that are multiples of the same number. Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams. **Read and write decimal numbers as fractions e.g. 0.71 = 71/100.** Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents. Round decimals with two decimal places to the nearest whole number and to one decimal place. **Read, write, order and compare numbers with up to three decimal places.** Solve problems involving numbers with up to three decimal places. **Solve problems which require**	equivalents e.g. 0.375 for a simple fraction e.g. 3/8. Identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places. Multiply one-digit numbers with up to two decimal places by whole numbers. Solve problems which require answers to be rounded to specified degrees of accuracy. Use written division methods in cases where the answer has up to two decimal places. Recall and use equivalences between simple fractions, decimals and percentages,

						knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and those fractions with a denominator of a multiple of 10 or 25. Recognise the percent symbol (%), understand that percent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal.	including in different contexts.