Year 6 Maths Curriculum Overview

Autumn Term	Spring Term	Summer Term
6NPV1- Understand the relationship between powers of 10 from 1 hundredth to 10 million, and use this to make a given number 10, 100, 1,000, 1 tenth, 1 hundredth or 1 thousandth times the size (multiply and divide by 10, 100 and 1,000). **6NPV2-** Recognise the place value of each digit in numbers up to 10 million, including decimal fractions, and compose and decompose numbers up to 10 million using standard and non- standard partitioning. **6NPV3**- Reason about the location of any number up to 10 million, including decimal fractions, in the linear number system, and round numbers, as appropriate, including in Contexts. **6PV4-** Divide powers of 10, from 1 hundredth to 10 million, into 2, 4, 5 and 10 equal parts, and read scales/number lines with labelled intervals divided into 2, 4, 5 and 10 equal parts. NC - Negative Numbers **6AS1-** Understand that 2 numbers can be related additively and quantify additive relationships. **6AS2-** Use a given additive calculation to	**6AS/ MD3** - Solve problems involving ratio Relationships. Link fractions & scale factors NC - Ratio & Proportion **6AS/ MD4**- Solve problems with 2 unknowns. Link to algebra - finding a rule, substitutions formulae, 1 & 2 step equations **6F1-** Recognise when fractions can be simplified, and use common factors to simplify fractions. **6F2**- Express fractions in a common denomination and use this to compare fractions that are similar in value. **6F3**- Compare fractions with different denominators, including fractions greater than 1, using reasoning, and choose between reasoning and common denomination as a comparison strategy. NC - Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions NC - Multiply simple pairs of proper fractions, writing the answer in its simplest form NC - Divide proper fractions by whole numbers	NC- Algebra NC - Measurement NC- Statistics

Year 6 Maths Curriculum Overview

derive or complete a related calculation, using arithmetic properties, inverse relationships, and place-value understanding. NC - Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why		
6MD1- Understand that 2 numbers can be related multiplicatively, and quantify multiplicative relationships. **6MD2-** Use a given multiplicative calculation to derive or complete a related calculation, using arithmetic properties, inverse relationships, and place-value understanding. NC - Long multiplication & long division NC - Use their knowledge of the order of operations to carry out calculations involving the four operations.	**6G1**- Draw, compose, and decompose shapes according to given properties, including dimensions, angles and area, and solve related problems. NC - Geometry (Properties of Shapes) NC - Geometry (Position and Direction)	
Basic Skills		
- **Recap 5MD1** -multiply and divide numbers by 10, 100 and 1000 & understand this as an equivalent. - **Recap 5MD2** (factors, multiples, primes,	- Recall multiplication & division facts up to 12x 12 - Perform mental calculations including with mixed operations and large numbers. - Use estimation to check answers to	- Recall multiplication & division facts up to 12x 12 - Perform mental calculations including mixed operations and large numbers. - Use estimation to check answers to

Year 6 Maths Curriculum Overview

squares, etc.) - Recall multiplication & division facts up to 12x 12	calculations and determine in the context of a problem an appropriate degree of accuracy. - Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.	calculations and determine in the context of a problem an appropriate degree of accuracy.
Hi5 / Trio Time		
- Geometry - angles, shapes -Measurement & conversions - Time - Statistics	- Number and place value - Addition and Subtraction in problems - Multiplication and Division in problems - FDP equivalence	- Ratio - Fractions (calculations) - Geometry - properties of shapes