Year 6 Autumn Term Curriculum Coverage and Sequence of Lessons

(Reasoning and Problem Solving is linked to all objectives and will be incorporated within daily lessons)

Year 6	Term 1					
Week 1: Place Value	Week 2: Place Value	Week 3: The Four Operations	Week 4: The Four Operations	Week 5: The Four Operations	Week 6: The Four Operations	Week 7: The Four Operations
-Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit -Solve number and practical problems that involve numbers to 10, 000, 000	-Round any whole number to a required degree of accuracy -Use negative numbers in context, and calculate intervals across zero -Solve number and practical problems that involve rounding and negative numbers	-Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why -Identify common factors, common multiples and prime numbers	-Multiply multi-digit numbers up to four digits by a 2-digit whole number using the formal written method of long multiplication -Divide numbers up to four digits by a 2-digit number using the formal written method of short division where appropriate, interpreting remainders	-Divide numbers up to four digits by a 2-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context -Multiply, divide, add and subtract large numbers in my head.	-Perform mental calculations, including with mixed operations and large numbers -Know that addition, subtraction, multiplication and division should be carried out in a specific order when solving problems	-Solve problems involving addition, subtraction, multiplication and division -Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy
Year 6	Term 2					
Week 1: Fractions (A)	Week 2: Fractions (A)	Week 3: Fractions (B)	Week 4: Fractions (B)	Week 5: Decimals	Week 6: Decimals	Week 7: Consolidation
-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 -Solve problems involving adding and subtracting fractions	-Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams (Y5) -Multiply simple pairs of proper fractions, writing the answer in its simplest form -Divide proper fractions by whole numbers	-Associate a fraction with division and calculate decimal fraction equivalents -Find fractions of an amount	- Identify the value of each digit in numbers given to 3 decimal places - Solve problems which require answers to be rounded to specified degrees of accuracy - Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why	- Multiply and divide numbers by 10, 100 and 1,000 giving answers up to 3 decimal places - Multiply 1-digit numbers with up to 2 decimal places by whole numbers - Use written division methods in cases where the answer has up to 2 decimal places - Solve problems involving addition, subtraction, multiplication and division	-Re-cover and consolidate areas that are shown as weaker on the Gap Analysis through games and Active Maths sessions with a particular focus on the four operations and solving problems