



Maths Medium Term Overview – Spring Year 5

Year 5 – Spring term	
Week & Focus	NC objectives to be covered. NB – Non-statutory guidance and small step changes in repeated objectives are in bold.
1 – Number – Number and Place value	- Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit (Extend and apply their understanding of the number system to the fractions that they have met so far in Year 5.) - Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000 (Progress to include tenths and hundredths.)
2 – Number – Number and Place value	- Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000 - Recognise and describe linear number sequences, including those involving <u>fractions</u>, and find the term-to-term rule in words. - Solve number problems and practical problems that involve all of the above objectives.
3 – Addition and Subtraction	- Add and subtract numbers mentally with increasingly large numbers. (Consolidation through problem solving) Refer to mental calculation strategies booklet for guidance. - Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) (Consolidation through problem solving) Refer to pgs 33-36 addition booklet. Refer to pgs 41-44 subtraction booklet.



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	▪ Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy. ▪ Solve addition and subtraction multi step problems in contexts deciding which operations and methods to use and why.
4 & 5 – Multiplication and Division	▪ Multiply and divide numbers mentally drawing upon known facts (Consolidation from Autumn) ▪ Multiply numbers up to 4 digits by a one or <u>two-digit number</u> using a formal written method, <u>including long multiplication for 2-digit numbers</u>. Refer to pg 20 and top of pg 21 multiplication booklet. ▪ Divide numbers up to 4 digits by a one-digit number using the formal written method of short division <u>and interpret remainders appropriately for the context</u>. Refer to pgs 22-23 division booklet. ▪ Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers. ▪ Solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes. ▪ Solve problems involving multiplication and division including scaling by simple fractions and problems involving simple rates.
6- Fractions & Decimals	▪ Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams. ▪ Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents.



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	▪ Read, write, order and compare numbers with up to 3 decimal places. ▪ Round decimals with two decimal places to the nearest whole number and to one decimal place.
7 – Fractions, decimals & percentages	▪ Read and write decimal numbers as fractions. ▪ Solve problems involving number up to 3 decimal places. To include addition and subtraction of numbers including decimals, with the same number of decimal places. – Refer to pgs 36-37 addition booklet and pgs 44-45 subtraction booklet. ▪ Recognise the per cent symbol (%) and understand that per cent relates to ‘number of parts per hundred’, and write percentages as a fraction with denominator 100.
8 – Measurement mass	▪ Convert between different units of metric measure (for example, kg and g) ▪ Understand and use approximate equivalences between metric units and common imperial units such as pounds
9 – Geometry – Properties of shape	▪ Draw given angles, and measure them in degrees. ($^{\circ}$) ▪ Identify angles at a point and one whole turn (total 360°), angles at a point on a straight line and a half turn (total 180°) and other multiples of 90° ▪ Problem solving related to the above.



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10 – Geometry – Position and direction	▪ Revision of coordinates from Y4. ▪ Identify, describe and represent the position of a shape following a translation, using the appropriate language, and know that the shape has not changed.
11 - Statistics	▪ Interpreting, constructing and presenting data ▪ Comparison, sum and difference problems using information presented in line graphs
ADDITIONAL WEEKS FOR ASSESSMENT, REVISITING, CONSOLIDATION & THEMED WORK	