

Capenhurst CE Primary
National Curriculum 2014 - Mathematics (Y5)

## Coverage of Year 5 objectives 2019/2020

| Y5 | Objective | Working towards (pupil initials) | Expected (no. of pupils) | Greater depth (pupil initials) |
| :---: | :---: | :---: | :---: | :---: |
| Number and Place Value | Read, write, order and compare numbers to at least 1000000 and determine the value of each digit |  |  |  |
|  | Count forwards or backwards in steps of powers of 10 for any given number up to 1000000 |  |  |  |
|  | Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero |  |  |  |
|  | Round any number up to 1000000 to the nearest $10,100,1000,10000$ and 100000 |  |  |  |
|  | Solve number problems and practical problems that involve all of the above |  |  |  |
|  | Read Roman numerals to 1000 (M) and recognise years written in Roman numerals. |  |  |  |
|  | Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) |  |  |  |
|  | Add and subtract numbers mentally with increasingly large numbers |  |  |  |
|  | 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. |  |  |  |
| Number - Multiplication \& Division | Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers |  |  |  |
|  | Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers |  |  |  |
|  | Establish whether a number up to 100 is prime and recall prime numbers up to 19 |  |  |  |
|  | Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers |  |  |  |
|  | Multiply and divide numbers mentally drawing upon known facts |  |  |  |
|  | Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context |  |  |  |
|  | Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000 |  |  |  |
|  | Recognise and use square numbers and cube numbers, and the notation for squared ( ${ }^{2}$ ) and cubed ( ${ }^{3}$ ) |  |  |  |
|  | Solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes |  |  |  |
|  | Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign |  |  |  |



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|  | Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Draw given angles, and measure them in degrees ( ${ }^{\circ}$ ) |  |  |  |
|  | Identify: <br> - Angles at a point and one whole turn (total $360^{\circ}$ ) <br> - Angles at a point on a straight line and $\frac{1}{2}$ a turn (total $180^{\circ}$ ) <br> - Other multiples of $90^{\circ}$ |  |  |  |
|  | Use the properties of rectangles to deduce related facts and find missing lengths and angles |  |  |  |
|  | Distinguish between regular and irregular polygons based on reasoning about equal sides and angles. |  |  |  |
|  | Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed |  |  |  |
|  | Solve comparison, sum and difference problems using information presented in a line graph |  |  |  |
|  | Complete, read and interpret information in tables, including timetables. |  |  |  |

