

## Ovingham Middle School Subject Overview Year 5



Subject: Mathematics

Each column represents an approximate half term starting at 1 = September to October

|                                    | 1   | 1.5   | 2   | 2.5   | 3  | 3.5   |
|------------------------------------|---|---|---|---|--|---|
| <b>Topic</b>                       | Number and place value.<br>Calculation<br>Measures.<br>Statistics   | Calculation.<br>Fractions, decimals, ratio and percentages.<br>Geometry   | Number and place value.<br>Calculation.<br>Fractions, decimals, ratio and percentages.<br>Measures.   | Calculation.<br>Fractions, decimals, ratio and percentages.   | Number and place value.<br>Calculation<br>Fractions, decimals, ratio and percentages.<br>Geometry.   | Number and place value.<br>Calculation.<br>Fractions, decimals, ratio and percentages.  |
| <b>Areas of curriculum covered</b> | Read, write, order and compare numbers to at least 1, 000, 000.<br>Add and subtract whole numbers with more than 4 digits using column methods.<br>Add and subtract numbers mentally.<br>Solve problems involving multiplication and division.<br>Compare between different units of metric measure.<br>Calculate the perimeter of rectilinear shapes in cm.<br>Complete, read and interpret information in timetables. | Add and subtract whole numbers with more than 4 digits using column methods.<br>Add and subtract numbers mentally.<br>Compare and order fractions.<br>Identify, write and name equivalent fractions.<br>Read, write, order and compare numbers.<br>Know angles are measured in degrees.<br>Estimate and compare angles.<br>Draw given angles and measure them in degrees.<br>Identify angles at a point on a straight line and half a turn. | Count forwards or backwards in steps of powers of 10.<br>Read, write, order and compare numbers to at least 1, 000, 000.<br>Add and subtract numbers mentally.<br>Solve multi-step problems.<br>Identify multiples and factors.<br>Prime numbers.<br>Recognise and use square numbers.<br>Round decimals to the nearest whole number and decimal place.<br>Convert between different units of metric measure. | Multiply and divide numbers mentally.<br>Compare and order fractions.<br>Recognise and convert between mixed numbers and improper fractions.<br>Multiply proper fractions by whole numbers.<br>Understand and use approximate equivalences between metric units and common imperial units.<br>Distinguish between regular and irregular polygons. | Interpret negative numbers in context.<br>Round any number up to 1, 000, 000 to the nearest 10, 100, 1000, 10, 000 and 100, 000.<br>Use rounding to check answers.<br>Solve word problems.<br>Add, subtract, multiply and divide using formal written methods.<br>Recognise and use cube numbers.<br>Compare and order fractions.<br>Read, write, order and compare decimals.<br>Multiply proper fractions with whole numbers.<br>Identify 3D shapes.<br>Identify, describe and represent the position of a shape followed by a reflection or translation. | Read Roman numerals to 1000 (M) and recognise years written in Roman numerals.<br>Add, subtract, multiply and divide using formal written methods.<br>Multiply and divide whole numbers and decimals by 10, 100 and 1000.<br>Solve word problems.<br>Recognise and use cube numbers.<br>Read and write decimal numbers as fractions.<br>Multiply proper fractions by whole numbers.<br>Add and subtract fractions.<br>Write percentages as a fraction and decimal.<br>Solve problems with information represented in line graphs. |

Please be aware that each class is unique and although the above planning will be followed as close as possible, at times, and with individual classes, we may deliver deeper, extended learning into a topic, move faster to another topic or go slower to make sure we have clarified learning.

If you are in any doubt or have any specific questions about this subject please contact the subject co-ordinator: Mrs A Kemp