

**Westfields Junior School
Year 3 Maths Objectives**

| Number - Place Value | Number - Addition and Subtraction | Number - Multiplication and Division | Number - Fractions | Measurement - Money |
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| <ul style="list-style-type: none"> • count from 0 in multiples of 4 and 8 • count from 0 in multiples of 50 and 100 • find 10 or 100 more or less than a given number • recognise the place value of each digit in a 3-digit number (100s, 10s, 1s) • compare and order numbers up to 1,000 • identify, represent and estimate numbers using different representations • read and write numbers up to 1,000 in numerals and in words • solve number problems and practical problems involving these ideas | <ul style="list-style-type: none"> • add and subtract a three-digit number and 1s mentally • add and subtract a three-digit number and 10s mentally • add and subtract a three-digit number and 100s mentally • add and subtract numbers with up to 3 digits, using formal written methods of columnar addition and subtraction • estimate the answer to a calculation • use inverse operations to check answers • solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction | <ul style="list-style-type: none"> • recall and use multiplication and division facts for the 3 multiplication tables • recall and use multiplication and division facts for the 4 multiplication tables • recall and use multiplication and division facts for the 8 multiplication tables • write and calculate mathematical statements for multiplication and division using the multiplication tables that they know using mental strategies • write and calculate mathematical statements for multiplication and division using the multiplication tables that they know using formal written methods • solve problems, including missing number problems, involving multiplication and division, including | <ul style="list-style-type: none"> • count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts • recognise, find and write fractions of a discrete set of objects • compare and order unit fractions, and fractions with the same denominators • compare and order unit fractions and non-unit fractions with small denominators • recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators • recognise and show, using diagrams, equivalent fractions with small denominators • add and subtract fractions with the same denominator within one whole [for $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$] • solve problems that involve all of the above | <ul style="list-style-type: none"> • add and subtract amounts of money to give change, using both £ and p in practical contexts |

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| | | positive integer scaling problems and correspondence problems in which n objects are connected to m objects | | |
| Measurement - Time | Measurement – Mass and Capacity | Measurement Length and Perimeter | Geometry: Properties of Shape | Statistics |
| <ul style="list-style-type: none"> • tell and write the time from an analogue clock, using 12-hour and 24-hour clocks • tell and write the time from an analogue clock, using Roman numerals from I to XII • use vocabulary such as o'clock, am/pm, morning, afternoon, noon and midnight • know the number of seconds in a minute and the number of days in each month, year and leap year • estimate and read time with increasing accuracy to the nearest minute • record and compare time in terms of seconds, minutes and hours • compare durations of events [for example, to calculate the time taken by particular events or tasks] | <ul style="list-style-type: none"> • measure, compare, add and subtract mass (kg/g) • measure, compare, add and subtract volume/capacity (l/ml) | <ul style="list-style-type: none"> • measure, compare, add and subtract lengths (m/cm/mm) • measure the perimeter of simple 2-D shapes | <ul style="list-style-type: none"> • draw 2-D shapes • make 3-D shapes using modelling materials • recognise 3-D shapes in different orientations and describe them • recognise angles as a property of shape or a description of a turn • identify right angles • recognise that 2 right angles make a half-turn, 3 make three-quarters of a turn and 4 a complete turn • identify whether angles are greater than or less than a right angle • identify horizontal and vertical lines and pairs of perpendicular and parallel lines | <ul style="list-style-type: none"> • collect, record, interpret and present data using bar charts, pictograms and tables • solve one-step and two-step questions [for example 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables |