



Age Related Expectations

Year 3 – Maths

Key performance indicator (KPIs)	Performance standard
<p>Number and place value</p> <ul style="list-style-type: none"> ☐ Counts from 0 in multiples of four, eight, 50 and 100 ☐ Can work out if a given number is greater or less than 10 or 100 ☐ Recognises the place value of each digit in a three-digit number (hundreds, tens, and ones) ☐ Solves number problems and practical problems involving these ideas <p>Addition and subtraction</p> <p>Adds and subtracts numbers mentally including:</p> <ul style="list-style-type: none"> ☐ a three-digit number and ones; ☐ a three-digit number and tens; and ☐ a three-digit number and hundreds. <p>Multiplication and division</p> <ul style="list-style-type: none"> ☐ Recalls and uses multiplication and division facts for the multiplication tables, three, four and eight; ☐ Writes and calculates mathematical statements for multiplication and division using the multiplication tables that are known including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods. <p>Fractions (including decimals)</p> <ul style="list-style-type: none"> ☐ Counts up and down in tenths; recognises that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10; 	<p><i>With reference to the KPIs</i></p> <p>By the end of Y3, a child will be developing written and mental methods using the four operations including number facts and the concept of place value, and performing calculations with whole numbers</p> <p>A child can:</p> <ul style="list-style-type: none"> ☐ solve a range of number and place value problems; ☐ compare different shapes with reference to its angles; ☐ use measuring instruments, making reference to their units of measure; ☐ tell the time accurately; ☐ recall the majority of the multiplication tables; ☐ read and spell mathematical vocabulary correctly and confidently, using growing word reading knowledge and knowledge of spelling; ☐ read and write simple fractions and decimals.

Recognises, finds and writes fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators;

□ Recognises and shows, using diagrams, equivalent fractions with small denominators.

Measurement

□ Measures, compares, adds and subtracts lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml);

□ Adds and subtracts amounts of money to give change, using both £ and p in practical contexts;

□ Tells and writes the time from an analogue clock and 12-hour and 24-hour clocks;

□ Identifies right angles, recognises that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identifies whether angles are greater than or less than a right angle.

Statistics

□ Interprets and presents data using bar charts, pictograms and tables.