**Year 2 Lynnfield Curriculum Progression Overview - Maths**

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| **Year 2** | **Autumn** | **Spring** | **Summer** |
| **Objectives** | **Pirates****‘Who was the meanest pirate to sail the seven seas?’ – History (Healthy Thinkers)** | **Dinosaurs****‘Could dinosaurs have lived in Hartlepool? – Science (Healthy Movers)** | **Holidays****‘What do you eat on holiday?’ – Geography (Healthy Eaters)** |
| **NVPR** | * Read and write numbers to at least 100 in numerals and in words.
* Recognise the place value of each digit in a two digit number (tens, ones)
* Identify, represent and estimate numbers using different representations including the number line.
* Compare and order numbers from 0 up to 100; use <, > and = signs.
* Use place value and number facts to solve problems.
* Count in steps of 2, 3 and 5 from 0, and in tens from any number, forward and backward.
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Count in steps of 2, 3 and 5 from 0, and in tens from any number, forward and backward. |
| **A&S** | * Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.
* Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones; a two-digit number and tens; two two-digit numbers; adding three one-digit numbers.
* Show that the addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.
* Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures; applying their increasing knowledge of mental and written methods.
* Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.
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| **M&D** | * Recall and use multiplication and division facts for the 2, 5 and 10 times tables, including recognising odd and even numbers.
* Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (x), division (÷) and equals (=) sign.
* Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods and multiplication and division facts, including problems in contexts.
* Show that the multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.
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| **F** |  | * Recognise, find, name and write fractions

 1/3, 1/4, 2/4 and ¾ of a length, shape, set of  Objects or quantities. * Write simple fractions for example,

½ of 6 = 3 and recognise the equivalence of 2/4 and ½. |  |
| **M** | * Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value.
* Find different combinations of coins that equal the same amounts of money.
* Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change.
 | * Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels
* Compare and order lengths, mass, volume/capacity and record the results using >, < and =
 | * Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times.
* Know the number of minutes in an hour and the number of hours in a day.
* Compare and sequence intervals of time.
* Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels
* Compare and order lengths, mass, volume/capacity and record the results using >, < and =
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| **Sh** |  | * Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line.
* Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces.
* Identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid.]
* Compare and sort common 2-D and 3-D shapes and everyday objects.
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| **PDM** |  |  | * Use mathematical vocabulary to describe position, direction and movement including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise).
* Order and arrange combinations of mathematical objects in patterns and sequences
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| **St** |  | * Interpret and construct simple pictograms, tally charts, block diagrams and simple tables.
* Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity.
* Ask and answer questions about totalling and comparing categorical data.
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| **Fluency** | * Doubles of numbers to 10
* Halves of numbers to 20
* Near doubles
* Bridging / compensating
* Multiplication facts for 10x table
* Division facts for 10x table
* Multiplication facts for 5x table
* Division facts for 5x table
* Multiplication facts for 2x table
* Division facts for 2x table
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