Toft Hill Primary School

Year 2 Maths LTP

Autumn Term	Spring Term	Summer Term
Number: Place Value - Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward. - 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. - Read and write numbers to at least 100 in numerals and in words. - Use place value and number facts to solve problems. **Number: Addition & Subtraction** - 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. - Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.	**Number: Multiplication & Division** - Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers. - Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs. - Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot. - Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts. **Statistics** - 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	**Geometry: Position & Direction** - Order and arrange combinations of mathematical objects in patterns and sequences. - 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 anticlockwise). **Problem Solving & Efficient Methods** **Measurement: Time** - Compare and sequence intervals of time. - 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. **Measurement: Mass, Capacity & Temperature** - Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm);

- 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 addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot. - Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems. **Measurement: Money** - 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. **Number: Multiplication & Division** - Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers.	quantity. - Ask and answer questions about totalling and comparing categorical data. **Geometry: Properties of Shapes** - 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. **Number: Fractions** - Recognise, find, name and write fractions ½, 1/3, ¼, 2/4 and ¾ of a length, shape, set of objects or quantity. - Write simple fractions for example, ½ of 6 = 3 and recognise the equivalence of 2/4 and ½. **Measurement: Length & Height** - 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.	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 =. **Consolidation & Assessment** **Investigations**

- Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs. - Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot. - Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts. **Consolidation & Assessment**	- Compare and order lengths, mass, volume/capacity and record the results using >, < and =. **Consolidation & Assessment**	

Year 2: Maths Mastery Vocabulary

Number & Place Value	Addition & Subtraction	Multiplication & Division	Fractions
Equivalent expression	**Difference**	**Multiplicand**	**Numerator**
Place holder	**Associative law**	**Multiplier**	**Denominator**
Consecutive	Addend	**Product**	**Vinculum**
Cardinal numbers	Sum	**Factor**	
Cardinality	Total	**Dividend**	
Ordinal numbers	Aggregation	**Divisor**	
Subitising	Augmentation	**Quotient**	
Unitising	Reduction	**Distributive law**	
Partitioning	Minuend	**Commutative law**	
Decomposing	Subtrahend	**Array**	
	Commutative law	**Inverse operations**	
	Near double	**Divisible**	
	Inverse operations	Multiple	

All new maths mastery vocabulary is indicated in bold.

**See 'Glossary of Terms' document for definitions of Maths Mastery Vocabulary*