

Federation of Golden Flatts and Lynnfield Primary Schools

Year 2 - Autumn	Year 2 -Spring	Year 2 - Summer
Small Steps		
Number: Place Value	Statistics	Geometry: Position and Direction
<ul style="list-style-type: none"> • Read numbers to at least 100 in numerals. • Write numbers to at least 100 in numerals. • Read numbers to at least 100 in words. • Write numbers to at least 100 in words. • Recognise the place value of each digit in a two digit number (tens, ones). • Identify numbers using different representations including a number line. • Represent numbers using different representations including a number line. • Estimate numbers using different representations including a number line. • Count forwards in steps of 2 from 0, from any given number. • Count forwards in steps of 3 from 0, from any given number. • Count forwards in steps of 5 from 0, from any given number. • Count forwards in steps of 10 from 0, from any given number. • Count backwards in steps of 2 from 0, from any given number. • Count backwards in steps of 3 from 0, from any given number. • Count backwards in steps of 5 from 0, from any given number. • Count backwards in steps of 10 from 0, from any given number. • Compare numbers from 0 up to 100; use <, > and = signs. • Order numbers from 0 up to 100; use <, > and = signs. 	<ul style="list-style-type: none"> • Interpret simple pictograms, tally charts, block diagrams and simple tables. • Construct simple pictograms, tally charts, block diagrams and simple tables. • Ask simple questions by counting the number of objects in each category. • Ask simple questions by counting sorting the categories by quantity. • Answer simple questions by counting the number of objects in each category. • Answer simple questions by sorting the categories by quantity. • Ask questions about totalling and comparing categorical data. • Answer questions about totalling and comparing categorical data. 	<ul style="list-style-type: none"> • 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. • 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 half. • 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 three-quarter turns (clockwise and anti-clockwise). • Order combinations of mathematical objects in patterns. • Order combinations of mathematical objects in sequences. • Arrange combinations of mathematical objects in patterns. • Arrange combinations of mathematical objects in sequences.
Number: Addition and Subtraction	Geometry: Properties of Shape	Problem Solving and Efficient Methods
<ul style="list-style-type: none"> • Recall addition facts to 20 fluently, and derive and use related facts up to 100. • Use addition facts to 20 fluently, and derive and use related facts up to 100. • Recall subtraction facts to 20 fluently, and derive and use related facts up to 100. • Use subtraction facts to 20 fluently, and derive and use related facts up to 100. • Add any 2 digit numbers using an efficient strategy. • Subtract any 2 digit numbers using an efficient strategy. • Solve problems using concrete objects applying their increasing knowledge of mental methods. • Solve problems using concrete objects, applying their increasing knowledge of written methods. • Solve problems using pictorial representations, applying their increasing knowledge of mental methods. • Solve problems using pictorial representations, applying their increasing knowledge of written methods. • Show that the addition of two numbers can be done in any order. • Show that subtraction of one number from another cannot. • Recognise and use the inverse relationship between addition and use this to check calculations and solve missing number problems. • Recognise and use the inverse relationship between subtraction and use this to check 	<ul style="list-style-type: none"> • Name the properties of 2-D shapes, including the number of sides. • Identify the properties of 2-D shapes, including the number of sides. • Describe the properties of 2-D shapes, including the number of sides. • Name the properties of 2-D shapes, including the line symmetry in a vertical line. • Identify the properties of 2-D shapes, including the line symmetry in a vertical line. • Describe the properties of 2-D shapes, including the line symmetry in a vertical line. • Name the properties of 3-D shapes, including the number of edges. • Name the properties of 3-D shapes, including the number of vertices. • Name the properties of 3-D shapes, including the number of faces and the shape of those faces. • Identify the properties of 3-D shapes, including the number of edges. • Identify the properties of 3-D shapes, including the number of vertices. • Identify the properties of 3-D shapes, including the number of faces and the shape of those faces. • Describe the properties of 3-D shapes, including the number of edges. • Describe the properties of 3-D shapes, including the number of vertices. • Describe the properties of 3-D shapes, including the number of faces and the shape of those faces. 	<ul style="list-style-type: none"> • Solve problems using concrete objects, including those involving numbers, quantities and measures; applying their increasing knowledge of mental methods. • Solve problems using concrete objects, including those involving numbers, quantities and measures; applying their increasing knowledge of written methods. • Solve problems using pictorial representations, including those involving numbers, quantities and measures; applying their increasing knowledge of mental methods. • Solve problems using pictorial representations, including those involving numbers, quantities and measures; applying their increasing knowledge of written methods.

calculations and solve missing number problems.		
Measurement: Money	Number: Fractions	Measurement: Time
<ul style="list-style-type: none"> Recognise symbols for pounds (£). Recognise and use symbols for pence (p). Use symbols for pounds (£). Use symbols for pence (p). Combine above amounts to make a particular value. Solve problems using concrete objects and applying their increasing knowledge of mental methods. Solve problems using concrete objects applying their increasing knowledge of written methods. Solve problems using pictorial representations, applying their increasing knowledge of mental methods. Solve problems using pictorial representations, applying their increasing knowledge of written methods. Find different combinations of coins that equal the same amounts of money. Give change. 	<ul style="list-style-type: none"> Know that all parts must be equal parts of the whole. Recognise, find, name and write fractions $\frac{1}{2}$ of a length. Recognise, find, name and write fractions $\frac{1}{2}$ of a shape. Recognise, find, name and write fractions $\frac{1}{2}$ of a set of objects. Recognise, find, name and write fractions $\frac{1}{2}$ of quantities. Recognise, find, name and write fractions $\frac{1}{3}$ of a length. Recognise, find, name and write fractions $\frac{1}{3}$ of a shape. Recognise, find, name and write fractions $\frac{1}{3}$ of a set of objects. Recognise, find, name and write fractions $\frac{1}{3}$ of quantities. Recognise, find, name and write fractions $\frac{1}{4}$ of a length. Recognise, find, name and write fractions $\frac{1}{4}$ of a shape. Recognise, find, name and write fractions $\frac{1}{4}$ of a set of objects. Recognise, find, name and write fractions $\frac{1}{4}$ of quantities. Recognise, find, name and write fractions $\frac{2}{4}$ of a length. Recognise, find, name and write fractions $\frac{2}{4}$ of a shape. Recognise, find, name and write fractions $\frac{2}{4}$ of a set of objects. Recognise, find, name and write fractions $\frac{2}{4}$ of quantities. Recognise, find, name and write fractions $\frac{3}{4}$ of a length. Recognise, find, name and write fractions $\frac{3}{4}$ of a shape. Recognise, find, name and write fractions $\frac{3}{4}$ of a set of objects. Recognise, find, name and write fractions $\frac{3}{4}$ of quantities. Recognise the equivalence of $\frac{2}{4} = \frac{1}{2}$. 	<ul style="list-style-type: none"> Tell the time to five minutes, including quarter past/to the hour. Tell the time to five minutes and draw the hands on a clock face to show these times. Write the time to five minutes, including quarter past/to the hour. Know the number of minutes in an hour. Know the number of hours in a day. Compare intervals of time. Sequence intervals of time. Solve problems using concrete objects, applying their increasing knowledge of both mental and written methods. Solve problems using pictorial representations, applying their increasing knowledge of both mental and written methods.
Number: Multiplication and Division	Measurement: Length and Height	Measurement: Mass, Capacity and Temperature
<ul style="list-style-type: none"> Recall multiplication facts for the 2 times tables. Recall multiplication facts for the 5 times tables. Recall multiplication facts for the 10 times tables. Use multiplication facts for the 2 times tables. Use multiplication facts for the 5 times tables. Use multiplication facts for the 10 times tables. Recall division facts for the 2 times tables. Recall division facts for the 5 times tables. Recall division facts for the 10 times tables. Use division facts for the 2 times tables. Use division facts for the 5 times tables. Use division facts for the 10 times tables. Recognising odd and even numbers. Calculate mathematical statements for multiplication within the multiplication tables and write them using the multiplication (x), division (\div) and equals (=) sign. Calculate mathematical statements for division within the multiplication tables and write them using the multiplication (x), division (\div) and equals (=) sign. Solve problems involving multiplication, using materials including problems in contexts. Solve problems involving multiplication using arrays, including problems in contexts. Solve problems involving multiplication using repeated addition, including problems in contexts. Solve problems involving multiplication using mental methods including problems in contexts. 	<ul style="list-style-type: none"> Choose appropriate standard units to estimate and measure length/height in any direction (m/cm) to the nearest appropriate unit, using rulers. Use appropriate standard units to estimate and measure length/height in any direction (m/cm) to the nearest appropriate unit, using rulers. Solve problems using concrete objects applying their increasing knowledge of both mental and written methods. Solve problems using pictorial representations, applying their increasing knowledge of both mental and written methods. Compare lengths and record the results using $>$, $<$ and $=$. Order lengths and record the results using $>$, $<$ and $=$. 	<ul style="list-style-type: none"> Choose and use appropriate standard units to estimate and measure mass (kg/g) to the nearest appropriate unit, using scales, thermometers and measuring vessels. Choose and use appropriate standard units to estimate and measure temperature ($^{\circ}\text{C}$) to the nearest appropriate unit, using scales, thermometers and measuring vessels. Choose and use appropriate standard units to estimate and measure capacity (litres/ml) to the nearest appropriate unit, using scales, thermometers and measuring vessels. Solve problems using concrete objects and applying their increasing knowledge of both mental and written methods. Solve problems using pictorial representations, applying their increasing knowledge of both mental and written methods. Compare and order mass. Compare and order volume/capacity. Compare and order mass, volume/capacity and record the results using $>$, $<$ and $=$.

<ul style="list-style-type: none">• Solve problems involving multiplication using multiplication and division facts, including problems in contexts.• Solve problems involving division, using materials including problems in contexts.• Solve problems involving division using arrays, including problems in contexts.• Solve problems involving division using repeated addition, including problems in contexts.• Solve problems involving division using mental methods including problems in contexts.• Solve problems involving division using multiplication and division facts, including problems in contexts. <ul style="list-style-type: none">• Show that the multiplication of two numbers can be done in any order (commutative).• Show that division of one number by another cannot.		
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