

Numeracy Medium term planning with differentiation.

Class 8. Year 2 (MA) Summer 1 (Term 5)

Activities and groups adapted as necessary following ongoing formative assessments.

<u>Week</u>	<u>Starters</u>	<u>Yellow Stars</u> 	<u>Green Triangles</u> 	<u>Blue Squares</u> 	<u>Red Circles</u> 
		All below to be done mentally and independently.	All below to be done with increasing independence, using pictorial representations.	All below to be done to be done with support as necessary, using pictorial representations.	All below to be done with support, using concrete apparatus.
1	<p>EMW: Counting in 10s to 100 and backwards.</p> <p>Starter: Estimating number using different representations including number lines.</p>	<p>Shape. Easter Monday</p> <p>Identify, describe and compare properties of 2D shapes, including the number of sides. Name 2D shapes in different orientations.</p> <p>Recognise symmetry in a vertical line in 2D shapes.</p> <p>Identify, describe and compare properties of 3D shapes, including the number of edges, vertices and faces. Name 3D shapes in different orientations and contexts.</p> <p>Identify 2D shapes on the surface of 3D shapes.</p>	<p>Shape. Easter Monday</p> <p>Name and describe the properties of 2D shapes including the number of sides. Name 2D shapes in different orientations.</p> <p>Recognise symmetry in a vertical line in 2D shapes.</p> <p>Name and describe properties of 3D shapes.</p> <p>Recognise properties of 3D shapes, including the number of edges, vertices and faces. Name 3D shapes in different orientations and contexts.</p> <p>Compare 2D and 3D shapes.</p>	<p>Shape. Easter Monday</p> <p>Name and describe the properties of 2D shapes including the number of sides. Name 2D shapes in different orientations.</p> <p>Recognise symmetry in a vertical line in 2D shapes.</p> <p>Name and describe properties of 3D shapes. Recognise properties of 3D shapes, including the number of edges, vertices and faces. Name 3D shapes in different orientations and contexts.</p> <p>Compare 2D and 3D shapes. Compare and sort common</p>	<p>Shape. Easter Monday</p> <p>Name and describe the properties of 2D shapes including the number of sides. Name 2D shapes in different orientations.</p> <p>Recognise symmetry in a vertical line in 2D shapes.</p> <p>Name and describe properties of 3D shapes. Recognise properties of 3D shapes, including the number of edges, vertices and faces. Name 3D shapes in different orientations and contexts.</p> <p>Compare 2D and 3D shapes. Compare and sort common</p>

		Discuss similarities and differences of shape properties.	Compare and sort common 2D and 3D shapes in everyday objects. Identify 2D shapes on the surface of 3D shapes.	2D and 3D shapes in everyday objects. Identify 2D shapes on the surface of 3D shapes.	2D and 3D shapes in everyday objects. Identify 2D shapes on the surface of 3D shapes.
2	<p>EMW: Counting in 2s to 100 forwards and backwards.</p> <p>Starter: Tell the time to the hour and quarter hour.</p> <p>Draw the hands on a clock for the hour and quarter hour.</p> <p>Tell the time to the nearest 5 minutes.</p> <p>Draw the hands on a clock for the nearest 5 minutes.</p>	<p>5 lessons Addition and subtraction. Derive and use related facts up to 100. Understand that addition is commutative and subtraction is not. Recognise the inverse relationships between addition and subtraction. Reason about addition. Use number bonds and related subtraction facts to 20. Make all related number sentences. Add and subtract 2-digit numbers and 1s, 2-digit numbers and 10s and two 2-digit numbers mentally where re-grouping is required. Add three 1-digit numbers mentally. Use estimation to check that answers to a calculation are reasonable.</p>	<p>Addition and subtraction. Begin to derive and use related facts up to 100. Understand that addition is commutative and subtraction is not. Recognise the inverse relationships between addition and subtraction. Use number bonds and related subtraction facts to 20. Make all related number sentences. Add and subtract 2-digit numbers and 1s, 2-digit numbers and 10s and two 2-digit numbers mentally where no re-grouping is required. Add three 1-digit numbers pictorially. Use estimation to check that answers to a calculation are reasonable. Use inverse relationships to check answers and to</p>	<p>Addition and subtraction. Begin to derive and use related facts up to 100. Understand that addition is commutative and subtraction is not. Recognise the inverse relationships between addition and subtraction. Use number bonds and related subtraction facts to 20. Make all related number sentences. Add and subtract 2-digit numbers and 1s, 2-digit numbers and 10s and two 2-digit numbers mentally where no re-grouping is required. Add three 1-digit numbers pictorially. Use estimation to check that answers to a calculation are reasonable. Use inverse relationships to check answers and to</p>	<p>Addition and subtraction. Begin to derive and use related facts up to 100. Understand that addition is commutative and subtraction is not. Recognise the inverse relationships between addition and subtraction. Use number bonds and related subtraction facts to 20. Make all related number sentences. Add and subtract 2-digit numbers and 1s, 2-digit numbers and 10s and two 2-digit numbers mentally where no re-grouping is required. Add three 1-digit numbers pictorially. Use estimation to check that answers to a calculation are reasonable. Use inverse relationships to check answers and to</p>

		<p>Use inverse relationships to check answers and to work out missing number problems.</p> <p>Work out mental calculations where re-grouping is required.</p> <p>Solve word problems where more than one step is required.</p> <p>Solve addition and subtraction word problems which have more than one step.</p>	<p>work out missing number problems.</p> <p>Solve one step addition and subtraction word problems.</p>	<p>work out missing number problems.</p> <p>Solve one step addition and subtraction word problems.</p>	<p>work out missing number problems.</p> <p>Solve one step addition and subtraction word problems.</p>
3	<p>EMW: Counting in 5s to 100 forwards and backwards.</p> <p>Starter: Naming and describing 2D and 3D shapes.</p>	<p>Bank Holiday Monday Multiplication and division.</p> <p>Recall doubles and halves to 20.</p> <p>Recall and use multiplication and division facts for the 10, 5 and 2 times tables.</p> <p>Re-write addition statements as simplified multiplication statements.</p> <p>Use multiplication facts to make deductions outside known multiplication facts.</p> <p>Derive remainders given</p>	<p>Bank Holiday Monday Multiplication and division.</p> <p>Recall doubles and halves to 20.</p> <p>Recall and use multiplication and division facts for the 10, 5 and 2 times tables.</p> <p>Recognise odd and even numbers to 50.</p> <p>Begin to recognise that multiplication of two numbers is commutative but division is not.</p> <p>Solve one step word problems that involve</p>	<p>Bank Holiday Monday Multiplication and division.</p> <p>Recall doubles and halves to 20.</p> <p>Recall and use multiplication and division facts for the 10, 5 and 2 times tables.</p> <p>Recognise odd and even numbers to 50.</p> <p>Begin to recognise that multiplication of two numbers is commutative but division is not.</p> <p>Solve one step word problems that involve</p>	<p>Bank Holiday Monday Multiplication and division.</p> <p>Recall doubles and halves to 20.</p> <p>Recall and use multiplication and division facts for the 10, 5 and 2 times tables.</p> <p>Recognise odd and even numbers to 50.</p> <p>Begin to recognise that multiplication of two numbers is commutative but division is not.</p> <p>Solve one step word problems that involve</p>

		<p>known facts. Recognise odd and even numbers to 100. Begin to recognise that multiplication of two numbers is commutative but division is not. Solve word problems with more than one step that involve multiplications and division mentally. Use multiplication facts to make deductions outside known multiplication facts.</p>	<p>multiplications and division mentally.</p>	<p>multiplications and division mentally.</p>	<p>multiplications and division mentally.</p>
4	<p>EMW: Counting in 3s forwards from 0.</p> <p>Starter: Multiplication and division facts for the 2, 5 and 10 times tables.</p>	<p>Fractions Recognise, find and name fractions $1/3$, $1/4$, $1/2$, $2/4$, $3/4$ of a shape, objects and quantity. Read and write fractions. Write simple fractions e.g. $1/2$ of 6=3 Recognise the equivalence of $2/4$ and $1/2$. Find and compare fractions of amounts. Know all parts of a fraction must be equal parts of the whole. Find and compare fractions of amounts.</p>	<p>Fractions Recognise, find and name fractions $1/3$, $1/4$, $1/2$, $2/4$, $3/4$ of a shape, objects and quantity. Read and write fractions. Write simple fractions e.g. $1/2$ of 6=3 Recognise the equivalence of $2/4$ and $1/2$. Find and compare fractions of amounts. Know all parts of a fraction must be equal parts of the whole.</p>	<p>Fractions Recognise, find and name fractions $1/3$, $1/4$, $1/2$, $2/4$, $3/4$ of a shape, objects and quantity. Read and write fractions. Write simple fractions e.g. $1/2$ of 6=3 Recognise the equivalence of $2/4$ and $1/2$. Find and compare fractions of amounts. Know all parts of a fraction must be equal parts of the whole.</p>	<p>Fractions Recognise, find and name fractions $1/3$, $1/4$, $1/2$, $2/4$, $3/4$ of a shape, objects and quantity. Read and write fractions. Write simple fractions e.g. $1/2$ of 6=3 Recognise the equivalence of $2/4$ and $1/2$. Find and compare fractions of amounts. Know all parts of a fraction must be equal parts of the whole.</p>

SATs Week

5	<p>EMW: Counting in 2s to 100 forwards and backwards.</p> <p>Starter: Partitioning numbers into 10s and 1s.</p>	<p>SATs Paper 1 - Arithmetic. SATs Paper 2 - Reasoning and Problem Solving.</p>			
		<p>ASSESSMENT WEEK Friday curriculum day</p>			
6	<p>EMW: Counting in 5s to 100 forwards and backwards.</p> <p>Starter: Partitioning numbers in different ways.</p>	<p>Position and direction. Use mathematical vocabulary to describe position, direction and movement including left and right.</p> <p>Use mathematical vocabulary in terms of right angles for quarter, half and three quarter turns clockwise.</p> <p>Order and arrange combinations of mathematical objects in patterns.</p> <p>Distinguish between rotations as a turn, quarters as a right angle,</p>	<p>Position and direction. Use mathematical vocabulary to describe position, direction and movement including left and right.</p> <p>Use mathematical vocabulary in terms of right angles for quarter, half and three quarter turns clockwise.</p> <p>Shape. Name and describe the properties of 2D shapes including the number of sides. Name 2D shapes in different orientations.</p> <p>Recognise symmetry in a vertical line in 2D shapes.</p>	<p>Position and direction. Use mathematical vocabulary to describe position, direction and movement including left and right.</p> <p>Use mathematical vocabulary in terms of right angles for quarter, half and three quarter turns clockwise.</p> <p>Shape. Name and describe the properties of 2D shapes including the number of sides. Name 2D shapes in different orientations.</p> <p>Recognise symmetry in a vertical line in 2D shapes.</p>	<p>Position and direction. Use mathematical vocabulary to describe position, direction and movement including left and right.</p> <p>Use mathematical vocabulary in terms of right angles for quarter, half and three quarter turns clockwise.</p> <p>Shape. Name and describe the properties of 2D shapes including the number of sides. Name 2D shapes in different orientations.</p> <p>Recognise symmetry in a</p>

		<p>half and three quarter turns clockwise and anti-clockwise.</p> <p>Shape. Identify, describe and compare properties of 2D shapes, including the number of sides. Name 2D shapes in different orientations.</p> <p>Recognise symmetry in a vertical line in 2D shapes.</p> <p>Identify, describe and compare properties of 3D shapes, including the number of edges, vertices and faces. Name 3D shapes in different orientations and contexts.</p> <p>Identify 2D shapes on the surface of 3D shapes.</p> <p>Discuss similarities and differences of shape properties.</p> <p>Measurement. Measure length, height, mass, capacity and temperature to the nearest appropriate</p>	<p>Name and describe properties of 3D shapes. Recognise properties of 3D shapes, including the number of edges, vertices and faces. Name 3D shapes in different orientations and contexts.</p> <p>Compare 2D and 3D shapes. Compare and sort common 2D and 3D shapes in everyday objects. Identify 2D shapes on the surface of 3D shapes.</p> <p>Measurement. Measure length, height, mass, capacity and temperature to the nearest appropriate standard unit.</p> <p>Read scales in divisions of 1s, 2s, 5s and 10s where all numbers on the scale are given.</p> <p>Begin to record results using < > and =</p> <p>Statistics. Collect data and record it in a simple pictogram or</p>	<p>Name and describe properties of 3D shapes. Recognise properties of 3D shapes, including the number of edges, vertices and faces. Name 3D shapes in different orientations and contexts.</p> <p>Compare 2D and 3D shapes. Compare and sort common 2D and 3D shapes in everyday objects. Identify 2D shapes on the surface of 3D shapes.</p> <p>Measurement. Measure length, height, mass, capacity and temperature to the nearest appropriate standard unit.</p> <p>Read scales in divisions of 1s, 2s, 5s and 10s where all numbers on the scale are given.</p> <p>Begin to record results using < > and =</p> <p>Statistics. Collect data and record it</p>	<p>vertical line in 2D shapes.</p> <p>Name and describe properties of 3D shapes. Recognise properties of 3D shapes, including the number of edges, vertices and faces. Name 3D shapes in different orientations and contexts.</p> <p>Compare 2D and 3D shapes. Compare and sort common 2D and 3D shapes in everyday objects. Identify 2D shapes on the surface of 3D shapes.</p> <p>Measurement. Measure length, height, mass, capacity and temperature to the nearest appropriate standard unit.</p> <p>Read scales in divisions of 1s, 2s, 5s and 10s where all numbers on the scale are given.</p> <p>Begin to record results using < > and =</p> <p>Statistics. Collect data and record it</p>
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		<p>standard unit.</p> <p>Choose and use appropriate standard units to estimate and measure length, height, mass, temperature and capacity.</p> <p>Read scales in divisions of 1s, 2s, 5s and 10s where not all numbers on the scale are given.</p> <p>Record, compare and order results using < > and =</p> <p>Statistics.</p> <p>Collect data and record it in a simple pictogram or tally chart.</p> <p>Answer questions about the data collected.</p> <p>Draw simple conclusions about the data that is collected.</p> <p>Make comparisons about the data that is collected.</p> <p>Interpret and construct simple pictograms, tally</p>	<p>tally chart.</p> <p>Answer questions about the data collected.</p> <p>Draw simple conclusions about the data that is collected.</p> <p>Make comparisons about the data that is collected.</p>	<p>in a simple pictogram or tally chart.</p> <p>Answer questions about the data collected.</p> <p>Draw simple conclusions about the data that is collected.</p> <p>Make comparisons about the data that is collected.</p>	<p>in a simple pictogram or tally chart.</p> <p>Answer questions about the data collected.</p> <p>Draw simple conclusions about the data that is collected.</p> <p>Make comparisons about the data that is collected.</p>
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