

# Math Medium Term Plan – Year 1



Southridge First  
School

## Year 1 Math Medium Term Planning Autumn 1

Date	Week	Topic	Math Objectives
		Number and place Value	<p><b>Count to and across 100, forward and backward, beginning with 0 or 1, or from any given number</b></p> <ul style="list-style-type: none"> <li>➤ Count on from 0-20</li> <li>➤ Count on from 0-50</li> <li>➤ Count on from 0-100</li> <li>➤ Count on from any number to 20</li> <li>➤ Count on from any number to 50</li> <li>➤ Count on from any number to 100</li> <li>➤ Count back from 10 to 0</li> <li>➤ Count back from 20 to 0</li> <li>➤ Count back from 50 to 0</li> <li>➤ Count back from 100 to 0</li> <li>➤ Count back from any number smaller than 10 to 0</li> <li>➤ Count back from any number smaller than 20 to 0</li> <li>➤ Count back from any number smaller than 50 to 0</li> <li>➤ Count back from any number smaller than 100 to 0</li> <li>➤ Count on beyond 100</li> <li>➤ Count back starting with a number greater than 100</li> </ul>
		Number and place Value	<p><b>Count in multiples of 2s, 5s and 10s</b></p> <ul style="list-style-type: none"> <li>➤ Count in 10s to 50</li> <li>➤ Count in 10s to 100</li> <li>➤ Count in 2s to 20</li> <li>➤ Count in 2s to 50</li> <li>➤ Count in 2s to 100</li> <li>➤ Count in 5s to 50</li> <li>➤ Count in 5s to 100</li> </ul>
		Measures Length & Weight	<p><b>Compare, describe &amp; solve practical problems for: Lengths &amp; heights and Mass/weight</b></p> <ul style="list-style-type: none"> <li>➤ Use the following vocabulary correctly in context: long, short, longer, shorter, tall, short, double, half.</li> <li>➤ Compare two objects and say which is longest/shortest.</li> <li>➤ Order up to five objects by length.</li> <li>➤ Compare two objects and say which is tallest/shortest.</li> <li>➤ Order up to five objects by height.</li> <li>➤ Use the following vocabulary correctly in context: heavy, light, heavier than, and lighter than.</li> <li>➤ Compare two objects and say which is heaviest/lightest</li> <li>➤ Order up to five objects by weight.</li> </ul>
		Addition & Subtraction	<p><b>Read, write and interpret mathematical statements involving + - = signs</b></p> <ul style="list-style-type: none"> <li>➤ Use + - = sign with concrete objects.</li> <li>➤ Record statements using + - = in written form.</li> </ul>
		Addition & Subtraction	<p><b>Read, write and interpret mathematical statements involving + - = signs</b></p> <ul style="list-style-type: none"> <li>➤ Know and use all addition bonds to 5.</li> <li>➤ Know and use all addition bonds to 10.</li> <li>➤ Know and use all addition bonds to 20.</li> <li>➤ Know and use all subtraction facts to 5.</li> <li>➤ Know and use all subtraction facts to 10.</li> <li>➤ Know and use all subtraction facts to 20.</li> </ul>
		Geometry 2D & 3D Shape	<p><b>Recognise and name common 2D shapes, including: 2D, e.g. circles, triangles</b></p> <ul style="list-style-type: none"> <li>➤ Identify and name squares (in any orientation)</li> <li>➤ Identify and name rectangles (in any orientation)</li> <li>➤ Identify and name circles (in any orientation)</li> <li>➤ Identify and name triangles (in any orientation)</li> </ul>

## Year 1 Math Medium Term Planning Autumn 2

Date	Week	Topic	Math Objectives
		Number and place Value	<p><b>Count in multiples of 2s, 5s and 10s Read and write numbers to 100 in numerals</b></p> <ul style="list-style-type: none"> <li>➤ Count in 10s to 50</li> <li>➤ Count in 10s to 100</li> <li>➤ Count in 2s to 20</li> <li>➤ Count in 2s to 50</li> <li>➤ Count in 2s to 100</li> <li>➤ Count in 5s to 50</li> <li>➤ Count in 5s to 100</li> <li>➤ Read and write all numerals accurately to 5</li> <li>➤ Read and write all numerals accurately to 10</li> <li>➤ Read and write all numerals accurately to 20</li> <li>➤ Read and write all numerals accurately to 50</li> <li>➤ Read and write all numerals accurately to 100</li> </ul>
		Fractions	<p><b>Recognise, find and name a half as one of two equal parts of an object, shape or quantity. Recognise, find and name a quarter as one of two equal parts of an object, shape or quantity.</b></p> <ul style="list-style-type: none"> <li>➤ Estimate what half of a given object might be.</li> <li>➤ Estimate what half of a given shape might be.</li> <li>➤ Use practical apparatus to show half of a given number of objects.</li> <li>➤ Show they understand that halves are two equal parts.</li> <li>➤ Estimate what a quarter of a given object might be.</li> <li>➤ Estimate what a quarter of a given shape might be.</li> <li>➤ Use practical apparatus to show a quarter of a given number of objects.</li> <li>➤ Show they understand that quarters are four equal parts.</li> </ul>
		Measures Capacity and Volume	<p><b>Compare, describe &amp; solve practical problems for: - Capacity &amp; volume</b></p> <ul style="list-style-type: none"> <li>➤ Use the following vocabulary correctly in context: full, empty, more than, less than, half full, quarter full.</li> <li>➤ Compare two containers and say which is full, empty and half full.</li> </ul>
		Measures Money	<p><b>Recognise &amp; know the value of different denominations or coins &amp; notes.</b></p> <ul style="list-style-type: none"> <li>➤ Recognise 1p coin</li> <li>➤ Recognise 2p coin</li> <li>➤ Recognise 5p coin</li> <li>➤ Recognise 10p coin</li> <li>➤ Recognise 20p coin</li> <li>➤ Recognise 50p coin</li> <li>➤ Recognise £1 coin</li> <li>➤ Recognise £2 coin</li> <li>➤ Recognise £5 note</li> <li>➤ Recognise £10 note</li> <li>➤ Compare and order coins based on value</li> <li>➤ Make given amounts up to £1 using coin combinations</li> </ul>
		Measures Time	<p><b>Sequence events in chronological order using language (e.g. before, after, next, first, today, yesterday, tomorrow, morning, afternoon, evening). Recognise &amp; use language relating to dates, including days of the week, weeks, months, years.</b></p> <ul style="list-style-type: none"> <li>➤ Order: morning afternoon and evening.</li> <li>➤ Order events that occur in the morning, afternoon and evening.</li> <li>➤ Use terms: before, next and after accurately.</li> <li>➤ Use terms: today, tomorrow and yesterday accurately.</li> <li>➤ Order the days of the week.</li> <li>➤ Order the months of the year.</li> <li>➤ Know the number of days in a week.</li> <li>➤ Know the number of months in a year</li> </ul>
		Consolidate and Assess	<p>Start this week by revising the learning covered in the Autumn term so as to ensure pupils are fluent and secure with their basic skills. Refocus mental starters as needed.</p>

## Year 1 Math Medium Term Planning Spring 1

Date	Week	Topic	Math Objectives
		Number and place Value	<p><b>Given a number, identify 1 more or 1 less.</b></p> <ul style="list-style-type: none"> <li>➤ Know 1 more than a given number to 20</li> <li>➤ Know 1 more than a given number to 50</li> <li>➤ Know 1 more than a given number to 100</li> <li>➤ Know 1 less than a given number to 20</li> <li>➤ Know 1 less than a given number to 50</li> <li>➤ Know 1 less than a given number to 100</li> <li>➤ Write a number that is one more than any given number to 20</li> <li>➤ Write a number than is 1 less than any given number to 20</li> </ul>
		Measures Mass and Weight	<p><b>Measure &amp; begin to record the following: - Mass/weight</b></p> <ul style="list-style-type: none"> <li>➤ Measure weight using a range of non-standard units and compare mass/weight.</li> <li>➤ Begin to measure mass in g and kg.</li> </ul>
		Geometry 2D and 3D shapes	<p><b>Identify &amp; describe common 2D shapes, including: - 2D, e.g. rectangles (including squares) circles, triangles</b></p> <ul style="list-style-type: none"> <li>➤ Identify and name squares, rectangles, circles and squares (in any orientation)</li> <li>➤ Describe the properties of a square – talk about number of sides and length of sides</li> <li>➤ Describe the properties of a rectangle and how they differ from a square</li> <li>➤ Describe the properties of a triangle – talk about the number of sides and how they can look very different</li> <li>➤ Describe the properties of a circle and how they can vary in size.</li> </ul>
		Measures Money	<p><b>Continue with: Recognise &amp; know the value of different denominations or coins and notes.</b></p> <ul style="list-style-type: none"> <li>➤ Make given amounts up to £1 using coin combinations</li> </ul>
		Addition and Subtraction	<p><b>Add and subtract 1- digit and 2-digit numbers to 20, including zero. Mentally:</b></p> <ul style="list-style-type: none"> <li>➤ Add two 1-digit numbers to ten.</li> <li>➤ Add two 1-digit numbers to 18.</li> <li>➤ Add two numbers that equal any number up to 20, including zero.</li> <li>➤ Subtract two 1-digit numbers.</li> <li>➤ Subtract a 1-digit number from a 2-digit number up to 20.</li> <li>➤ Subtract a 2-digit number from a 2-digit number up to 20.</li> </ul>
		Addition and Subtraction	<p><b>Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems.</b></p> <ul style="list-style-type: none"> <li>➤ Solve one step problems involving addition to 10, using concrete objects and pictorial representations</li> <li>➤ Solve one step problems involving subtraction to 10, using concrete objects and pictorial representations</li> <li>➤ Solve one step problems involving addition to 20, using concrete objects and pictorial representations</li> <li>➤ Solve one step problems involving subtraction to 20, using concrete objects and pictorial representations</li> </ul>

## Year 1 Math Medium Term Planning Spring 2

Date	Week	Topic	Math Objectives
		Measures Length and Weight	<p><b>Measure &amp; begin to record the following: - Length &amp; heights - Mass/weight</b></p> <ul style="list-style-type: none"> <li>➤ Measure length using a range of non-standard units and compare length.</li> <li>➤ Begin to measure length in cm and m.</li> <li>➤ Measure length using a range of non-standard units and compare height.</li> <li>➤ Begin to measure height in cm and m.</li> <li>➤ Measure weight using a range of non-standard units and compare mass/weight.</li> <li>➤ Begin to measure mass in g and kg.</li> </ul>
		Multiplication and Division	<p><b>Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.</b></p> <ul style="list-style-type: none"> <li>➤ Solve one step problems involving multiplication to 10, using concrete objects, pictorial representations and arrays</li> <li>➤ Solve one step problems involving division to 10, using concrete objects, pictorial representations and arrays</li> <li>➤ Solve one step problems involving multiplication to 20, using concrete objects, pictorial representations and arrays</li> <li>➤ Solve one step problems involving division to 20, using concrete objects, pictorial representations and arrays</li> </ul>
		Fractions	<p><b>Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity</b></p> <ul style="list-style-type: none"> <li>➤ Estimate what a quarter of a given object might be.</li> <li>➤ Estimate what a quarter of a given shape might be.</li> <li>➤ Use practical apparatus to show a quarter of a given number of objects.</li> <li>➤ Show they understand that quarters are four equal parts.</li> </ul>
		Geometry Position and Direction	<p><b>Describe position, direction and movement, including half, quarter and three quarter turns</b></p> <ul style="list-style-type: none"> <li>➤ Know and use: left, right, top, middle, bottom, on top of, in front of, above, between, around, near, close, far, up, down, forwards, backwards, inside, outside</li> <li>➤ Demonstrate full turn by moving body</li> <li>➤ Demonstrate half turn</li> <li>➤ Demonstrate quarter turn</li> <li>➤ Demonstrate three-quarter turn</li> <li>➤ Hold up left/right hand, as required</li> <li>➤ Point to left/right, as required</li> <li>➤ Describe position, direction, movement using vocabulary above</li> </ul>
		Measures Time	<p><b>Compare, describe &amp; solve practical problems for: - Time</b></p> <ul style="list-style-type: none"> <li>➤ Use the following vocabulary correctly in context: earlier, later.</li> <li>➤ Compare the movements of two objects and describe which is slower, quicker.</li> <li>➤ Begin to measure time in hours, minutes and seconds</li> </ul>
		<b>Consolidate and Assess</b>	Start this week by revising the learning covered in the Autumn and Spring terms so as to ensure pupils are fluent and secure with their basic skills.

## Year 1 Math Medium Term Planning Summer 1

Date	Week	Topic	Math Objectives
		Number and place Value	<b>Read and write numbers from 1 – 20 in numerals and words</b> <ul style="list-style-type: none"> <li>➤ Read all numbers to 5 in words</li> <li>➤ Write all numbers to 5 in words</li> <li>➤ Read and write all numbers to 10 in words</li> <li>➤ Read and write all numbers to 10 in words</li> <li>➤ Read and write all numbers to 20 in numbers without making reversals</li> <li>➤ Read and write all numbers to 20 in words</li> </ul>
		Addition and Subtraction	<b>Add and subtract 1-digit and 2-digit numbers to 20, including zero.</b> Record in writing: <ul style="list-style-type: none"> <li>➤ Add two 1-digit numbers to ten.</li> <li>➤ Add two 1-digit numbers to 18.</li> <li>➤ Add two numbers that equal any number up to 20, including zero.</li> <li>➤ Subtract two 1-digit numbers.</li> <li>➤ Subtract a 1-digit number from a 2-digit number up to 20.</li> <li>➤ Subtract a 2-digit number from a 2-digit number up to 20.</li> </ul>
		Measures Capacity and Volume	<b>Measure &amp; begin to record the following: - Capacity &amp; volume</b> <ul style="list-style-type: none"> <li>➤ Measure volume using a range of non-standard units and compare.</li> <li>➤ Measure capacity using a range of non-standard units and compare.</li> <li>➤ Begin to measure capacity in ml/l</li> </ul>
		Fractions	Consolidate and start to link to numbers: <b>Recognise, find and name a half as one of two equal parts and a quarter as being one of four equal parts of an object, shape or quantity.</b> <ul style="list-style-type: none"> <li>➤ Estimate what a half and a quarter of a given object might be.</li> <li>➤ Estimate what a half and a quarter of a given shape might be.</li> <li>➤ Use practical apparatus to show half and a quarter of a given number of objects.</li> </ul>
		Geometry Position and Direction	Consolidate: <b>Describe position, direction and movement, including half, quarter and three-quarter turns and link to shapes</b> <ul style="list-style-type: none"> <li>➤ Use terms left and right in different contexts</li> <li>➤ Remind them of moving bodies through full turns; half turns; quarter turns and three-quarter turns</li> <li>➤ Use shape apparatus to show movements through these turns in practical setting</li> <li>➤ Describe position, direction, movement using appropriate vocabulary</li> </ul>
		Geometry 2D and 3D Shape	<b>Recognise &amp; name common 3D shapes, including: 3D. E.g. cuboids (including cubes), pyramids, spheres.</b> <ul style="list-style-type: none"> <li>➤ Start with reminder about names of 2D shapes</li> <li>➤ Identify and name cubes</li> <li>➤ Identify and name pyramids</li> <li>➤ Identify and name spheres</li> <li>➤ Identify and name cylinders</li> </ul>

## Year 1 Math Medium Term Planning Summer 2

Date	Week	Topic	Math Objectives
		Measures Time	<p><b>Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.</b></p> <ul style="list-style-type: none"> <li>➤ Tell o'clock times.</li> <li>➤ Tell half past times.</li> <li>➤ Draw hands on clock to show o'clock times.</li> <li>➤ Draw hands on clock to show half past times.</li> <li>➤ Know some key events associated with o'clock and half past times, e.g. lunchtime etc.</li> </ul>
		Multiplication and Division	<p><b>Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.</b></p> <ul style="list-style-type: none"> <li>➤ Solve one step problems involving multiplication and division to 20, using concrete objects, pictorial representations and arrays</li> </ul>
		Addition and Subtraction	<p><b>Add and subtract 1-digit and 2-digit numbers to 20, including zero.</b></p> <ul style="list-style-type: none"> <li>➤ Add and subtract a 1 and 2-digit number from a 1 and 2-digit number up to 20.</li> </ul>
		Measures General	<p><b>Consolidate:</b> All learning involving length; weight and mass; capacity and volume; time and money</p> <ul style="list-style-type: none"> <li>➤ Revise all aspects of learning associated with measurement in Year 1</li> </ul>
		Revise: All aspects of Number	<p><b>Consolidate:</b> All learning involving place value; addition and subtraction and fractions</p> <ul style="list-style-type: none"> <li>➤ Revise all aspects of learning associated with number in Year 1</li> </ul>
		Consolidate and Assess	<p>Start this week by revising the learning covered in the Autumn and Spring terms so as to ensure pupils are fluent and secure with their basic skills and ready to begin Year 2. Refocus mental starters as needed.</p>