

Mathematics

Mastery Planning

Year 2



Woodhouse Community Primary School

Year 2 Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
Autumn	Number: Place Value			Number : Addition and Subtraction		Measurement: Length and Time		Number : Multiplication and Division		Measurement: Money		Graphs	Geometry: Properties of Shape
Spring	Number : Addition and Subtraction		Number: Fractions			Measurement: Time and Money	Number : Multiplication and Division	Number: Fractions					
Summer	Geometry - Properties of Shape	Measurement: Mass, Capacity, Volume, Temperature		Arithmetic Revision	POST SATS CONSOLIDATION WORK								

Year 2 – Autumn Term		
Week 1	Number - Place Value	<ul style="list-style-type: none"> 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 to 100 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 words. Use place value and number facts to solve problems.
Week 2		
Week 3		
Week 4	Number - Addition and Subtraction	<ul style="list-style-type: none"> Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100. Show that the addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot. 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.
Week 5		
Week 6	Measurement – Length and Time	<ul style="list-style-type: none"> Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm) and mass (kg/g) to the nearest appropriate unit, using rulers and scales. Compare and order length and mass and record the results using $>$, $<$ and $=$.
Week 7		
Week 8	Number - Multiplication and Division	<ul style="list-style-type: none"> 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 (\times), division (\div) 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.
Week 9		
Week 10	Measurement - Money	<ul style="list-style-type: none"> Recognise and use symbols of pounds (£) and pence (p); combine amounts to make a particular value. Find different combinations of coins that equal the same amounts of money.
Week 11		

		<ul style="list-style-type: none"> Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change.
Week 12	Graphs	<ul style="list-style-type: none"> 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
Week 13	Geometry: Properties of Shape	<ul style="list-style-type: none"> Identify and describe the properties of 2D shapes, including the number of sides and line symmetry in a vertical line. Identify and describe the properties of 3D shapes, including the number of edges, vertices and faces.

Year 2 – Spring Term		
Week 1	Number - Addition and Subtraction	<ul style="list-style-type: none"> 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. Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems. 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.
Week 2		
Week 3	Number – Fractions	<ul style="list-style-type: none"> Recognise, find, name and write fractions ; $\frac{1}{2}$, $\frac{1}{4}$, $\frac{2}{4}$ $\frac{1}{3}$, $\frac{3}{4}$, , and of a length, shape, set of objects or quantity.
Week 4		
Week 5	Measurement – Time and Money	<ul style="list-style-type: none"> 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. Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change.
Week 6		
Week 7	Number - Multiplication and Division	<ul style="list-style-type: none"> Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (x), division (\div) 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.
Week 8		

Week 9	Number – Fractions	<ul style="list-style-type: none"> Write simple fractions for example, $\frac{1}{2}$ of 6 = 3 Recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$
Week 10		

Year 2 – Summer Term		
Week 1	Geometry – Properties of Shape	<ul style="list-style-type: none"> Identify 2D shapes on the surface of 3D shapes, [for example, a circle on a cylinder and a triangle on a pyramid.] Compare and sort common 2D and 3D shapes and everyday objects. Order and arrange combinations of mathematical objects in patterns and sequences.
Week 2	Measurement: Mass, Capacity, Volume, Temperature	<ul style="list-style-type: none"> Choose and use appropriate standard units to estimate and measure capacity (litres/ml), mass (grams and kg) and temperature (oC) to the nearest appropriate unit, using thermometers and measuring vessels. Compare and order volume/capacity and record the results using $>$, $<$ and $=$.
Week 3		
Week 4	Arithmetic Revision	<ul style="list-style-type: none"> Revise all 4 operations ; addition, subtraction, multiplication and division.
Week 5	<h2>POST SATS CONSOLIDATION WORK</h2>	
Week 6		
Week 7		
Week 8		
Week 9		
Week 10		
Week 11		
Week 12		