Broadwood Primary School
Maths Yearly Overview: Year 2

This term the following objectives will be taught through maths meets, regular discussions and physical exploration

Naming 2d and 3d shapes – describing their properties

Memorising number bonds to 10/100

Autumn 1						
Week 1	**Week 2**	**Week 3**	**Week 4**	**Week 5**	**Week 6**	**Week 7**
Place Value				**Addition and Subtraction**		
Read and write numbers from 1 to 20 in numerals and words (Y1) Read and write numbers to at least 100 in numerals and in words Identify, represent and estimate numbers using different representations, including the number line Count in steps of 2, 3 and 5 from 0, and in 10s from any number, forward and backward Read scales in 1's, 2's, 5's, and 10's Recognise the place value of each digit in a 2-digit number (tens, ones) Begin to understand zero as a place holder. Compare and order numbers from 0 up to 100; use < > and = signs Use place value and number facts to solve problems. ***Pre-assessment for addition and subtraction***				Read, write and interpret mathematical statements involving • addition (+), • subtraction (–) • equals (=) signs • Develop fluency in number bonds to 10 – Begin to link to number bonds to 100 (in tens) Represent and use number bonds and related subtraction facts within 10 Recall and use addition and subtraction facts to 20, and derive and use related facts up to 100 Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: Number lines, base 10, pictorially (| and o) when: • adding two 1-digit number • adding three 1-digit numbers • a 2-digit number and 1s, To know that addition is commutative where subtraction cannot.		

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Autumn 2						
Week 1	**Week 2**	**Week 3**	**Week 4**	**Week 5**	**Week 6**	**Week 7**
Addition and Subtraction			Shape *Assessment*		Measurement Money	
Read, write and interpret mathematical statements involving • addition (+), • subtraction (–) • equals (=) signs Use the language of: equal to, more than, less than (fewer), most, least Represent and use number bonds and related subtraction facts within 20 Find 10 more and 10 less Become familiar with 100 square Add and subtract numbers using concrete objects, pictorial representations, and mentally, including number lines, base 10, pictorially (| and o) to; • 2-digit number and 10s, • two 2-digit numbers Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = ___ – 9. ***Pre-assessment for shape***			Evidencing knowledge of shape gained over this term: Naming 2d and 3d shapes Identifying sides, vertices, edges and faces Teach lines of symmetry ***Pre-assessment for 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 Reason and problem solve using money. *Use money visuals when counting in 2's 5's and 10's and when multiplying.	

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Time – to the hour, half past the hour as well as days/months/years

Spring 1					
Week 1	**Week 2**	**Week 3**	**Week 4**	**Week 5**	**Week 6**
Place Value	Multiplication and Division				
Recap Autumn place value and addition and subtraction Intervention for those with gaps. ***Pre-assessment for M&D***	Use the array model to make connections with counting in 2s, 5s and 10s (using objects and pictorial representations to support) Use resources and pictorial representations to understand doubling Use resources to divide small quantities by sharing between a given number Use resources to divide small quantities into groups of a given number Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects Apply counting in 2s, 5s and 10s to the context of money to find totals of coins of the same denomination Read scales in 1’s, 2’s, 5’s, and 10’s ***Pre-assessment for Fractions***				

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Spring 2				
Week 1	**Week 2**	**Week 3**	**Week 4**	**Week 5**
Fractions			Statistics *Assessment*	
Recognise, find, name and write fractions: ½, ¼, 2/4 , ¾ and introduce 1/3 Count in halves and quarters on a number line Find halves and quarters of a set of objects or a quantity Connect unit fractions to equal sharing and grouping Write simple fractions e.g. ½ of 6 = 3 Recognise the equivalence of one half and two quarters Link to position and direction – quarter, half, 3 quarter, full turn			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. Apply multiplication and division (for example, using many-to-one correspondence in pictograms with simple ratios 2, 5, 10, or using scales of 2, 5 or 10 on charts) Apply comparative model of addition and subtraction ***Pre-assessment for Time***	

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2, 5 and 10 times tables

<table>
<tr><th colspan="6">Summer 1</th></tr>
<tr><th colspan="2">Week 1</th><th>Week 2</th><th colspan="2">Week 3</th><th>Week 4</th><th>Week 5</th><th>Week 6</th></tr>
<tr><td colspan="2">Time</td><td colspan="3">Place value, + - * /
Fraction, time, money and shape consolidation</td><td>SATS</td><td>SATS</td></tr>
<tr><td colspan="2">Sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening]

Recognise and use language relating to dates, including days of the week, weeks, months and years

Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.</td><td colspan="3">Preparation for SATs.

Arithmetic and Reasoning & Problem Solving</td><td colspan="2">*Pre-assessment for Measures*</td></tr>
</table>

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Summer 2			
Week 1	**Week 2**	**Week 3**	**Week 4 - 7**
Measures Length and Height Mass, Capacity and temperature		Position and Direction *Assessment*	Open questions; problem solving with all four operations Ready to Progress
Choose and use appropriate standard units to estimate and measure length/height (m/cm), mass (kg/g); temperature (°C) and capacity (litres/ml) Compare and order lengths using < > = Solve simple problems in a practical context involving addition and subtraction Using and read scales Using and read thermometers and measuring vessels Link to fractions by recording capacity as ½, ¼, or ¾ full Use the appropriate language for all measures Record measures using standard abbreviations Read scales in 1's, 2's, 5's, and 10's ***Pre-assessment for Position and Direction***		Describe position, direction and movement, including whole, half, quarter and three-quarter turns. Link to prior knowledge of fractions.	Problem solving activities Intensive intervention for any children who are not secure with; • Reading & writing numbers to 100 • Place value of 2-digit numbers • number bonds • addition and subtraction strategies • Multiplication and division strategies • Finding fractions