The Best That You Can Be

Devonshire Primary Academy

Maths Long Term Plan

Year 5			
Week	**Autumn**	**Spring**	**Summer**
1	Place Value WALT: learn roman numerals up to 1000 WALT: read and write numbers up to 1 million (steps 1-5) BM – reading numbers – step 7, 8	Multiplication and division B WALT: multiply 2, 3 and 4-digit numbers by a 2-digit numbers (steps 1-5) Basic Skills > Calculation > Multiplication steps 15 and 16 Basic Skills > Column Methods > Multiplication - Column Methods steps 4-6	Shape WALT: identify 3-D shapes, including cubes and other cuboids, from 2-D representations (steps TBC) Wider Maths > Shape > Explore and Draw steps 23-24 Wider Maths > Shape > 2D Shapes steps 24-25 Wider Maths > Shape > 3D Shapes 20-23
2	Place Value WALT: comparing and ordering number up to 1 million (steps 6-11) BM – Mastery of number – step 8,9	Multiplication and division B WALT: divide 4-digit number by a 1-digit number (with remainders) (steps 7-10) Basic Skills > Calculation > Division steps 24-31	Shape WALT: know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles WALT: draw given angles, and measure them in degrees (steps TBC) BM Shape 2D shapes 25
3	Place Value WALT: round within 1 million (steps 12-14) No BM steps	Multiplication and division B WALT: to solve multiplication and division problems (steps 6 and 11) BEAT THAT	Shape WALT: use the properties of rectangles to deduce related facts and find missing lengths and angles

	BEAT THAT	Basic Skills > Column Methods > Division - Column Methods steps 6-7	WALT: distinguish between regular and irregular polygons based on reasoning about equal sides and angles. (steps TBC) BEAT THAT BM Shape 2D shapes 24
4	Addition and Subtraction WALT: develop mental and written strategies to add and subtract (steps 1-4) BM – Addition - steps 32, 33 BM – Addition, column method – step 9,10 BM – Subtraction – step 30-36	Fractions B WALT: multiply fractions by an integer (steps 1-3) Wider Maths > Fractions > Fractions of a Set step 13	Position and direction WALT: identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed. (steps TBC) BM – position and direction steps 28 and 29
5	Addition and Subtraction WALT: to use different strategies and the inverse to solve problems. (steps 5-8) BM – Addition - steps 32, 33 BM – Addition, column method – step 9,10 BM – Subtraction – step 30-36	Fractions B WALT: calculate fractions of an amount WALT: use fractions as operators (steps 4-7) Wider Maths > Fractions > Fractions: Counting steps 17-20 Wider Maths > Fractions > Fractions: It's Nothing New step 8 Wider Maths > Fractions > Fractions: Calculation steps 6-18	Position and direction WALT: identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed. (steps TBC) BM – position and direction steps 28 and 29
6	Multiplication and division A WALT: to recognise multiples and common factors (steps 1 4) BM – Multiple, Factor, Prime – step 2	Decimals and percentages WALT: find equivalent fractions and decimals in tenths and hundredths (steps 1-4 and 15)	Decimals Consolidation of decimals from Spring term (steps TBC) BEAT THAT

	BM – Counting multiples – step 7-9 BEAT THAT	Wider Maths > Fractions > Percentages steps 1-3	Basic Skills > It's Nothing New > Multiplying by 10 3-5 Basic Skills > It's Nothing New > Dividing by 10 step 3
7	Multiplication and division A WALT: understand square, cube and prime numbers (steps 5-7) BM – Multiple, Prime, Factor – step 3,4	Decimals and percentages WALT: recognise thousandths in fractions and decimals (steps 5-7) WALT: order and compare any decimal up to 3 decimal places (steps 8-9) Basic Skills > It's Nothing New > Multiplying by 10 3-5	Decimals Consolidation of decimals from Spring term (steps TBC) Basic Skills > It's Nothing New > Multiplying by 10 3-5 Basic Skills > It's Nothing New > Dividing by 10 step 3
8	Multiplication and division A WALT: multiply and divide by 10, 100 and 1000 (steps 8-10) BM – multiply by 10 – step 3 – 5 BM – divide by 10 – step 3,4	Decimals and percentages WALT: round decimals up to 1 decimal place (steps 10-11) WALT: understand percentages as fractions and decimals (steps 12-14) Basic Skills > It's Nothing New > Dividing by 10 step 3	Decimals Consolidation of decimals from Spring term (steps TBC) Basic Skills > It's Nothing New > Multiplying by 10 3-5 Basic Skills > It's Nothing New > Dividing by 10 step 3
9	Fractions A WALT: find and recognise equivalent fractions (steps 1-3) BM – Fractions of a whole - step 15-17 BEAT THAT	Perimeter and Area WALT: calculate the perimeter of different shapes (steps 1-3) Wider Maths > Amounts > Amounts of Distance steps 25-28	**Negative numbers** WALT: interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero (steps TBC) BEAT THAT

			BM- counting along the scales steps 6 and 7
10	Fractions A WALT: convert between improper fractions and mixed numbers (steps 4-5) BM – Fraction, calculation - step 11-14	Perimeter and Area WALT: calculate and estimate the area of different shapes (steps 4-6) Wider Maths > Amounts > Amounts of Distance steps 25-28	**Measurement** WALT: convert between different units of metric measure and time (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre) (steps TBC) BM amounts of distance step 22, 27 and 29
11	Fractions A WALT: compare and order fractions greater and less than one (steps 6-8) BM – Fraction, calculation - step 9,10	**Statistics** WALT: read, interpret and draw line graphs (steps 1-3) Wider Maths > Explaining Data > Diagrams and Tables step 25 Wider Maths > Explaining Data > Line Graphs steps 4-6	**Measurement** WALT: understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints (steps TBC) BM amounts of distance step 28
12	Fractions A WALT: add and subtract fractions (steps 9-16) BM – Fraction, calculation - step 2-4 and 10 BEAT THAT	**Statistics** WALT: read, interpret time tables (steps 4-5) BEAT THAT Wider Maths > Explaining Data > Probability steps 1- 7	**Measurement** WALT: estimate volume and solve problems using measure. BEAT THAT BM amounts of space step 26,28

SMSC	Calculate whether an answer is wrong	Explore maths in the real world (Money)	Use structured apparatus Develop mathematical reasoning
BV	Discuss their work	Follow rules for fact families	Decide on the best way to represent their conclusions in a bar chart

	Explain their reasoning when solving problems		