MATHS Overview	Term 1A	Term 1B	Term 2A	Term 2B	Term 3A	Term 3B
2-Year-Old Topic	All About Me	Celebrations	Winter	The Wheels on the Bus	Growing	Summer
Key Learning	Mathematical Language of colours, ordering, sequencing, language of size etc is delivered regularly following important and seasonal dates in the academic school year as well as going with the interest of the children. Colours **Key Text:** Brown Bear, Brown Bear / Counting Rhymes **Key Rhyme**: 5 Little Ducks / Days of the Week **Key Text**: Very Hungry Caterpillar					
3-Year-Old Topic	All About Me	Bonfire Night	Traditional Tales	Spring	Minibeasts	People Who Help Us
Key Learning *Master the Curriculum	**Colours** • red/blue/yellow/ green/purple/mix of col **Matching** • buttons and colours • match towers/shoes • match number shapes • match shape • pattern hand prints big/small **Sorting** • colour/size/shape • what do you notice? • guess the rule	**Number 1** • subitising, counting, numeral **Number 2** • subitising – dice pattern/random pattern/diff sizes • counting and numeral **Pattern** • extend AB colour patterns • extend AB outdoor patterns • AB movement patterns • fix my pattern	**Number 3** • subitising • three little pigs • 1:1 counting • numeral/triangle **Number 4** • 1:1 counting • numeral • squares/rectangles • composition of 4 **Number 5** • 1:1 counting • numeral • pentagons • composition of 5	**Number 6** • counting 1:1 • count pennies up to 6p • introduce ten frame and see how 6 is arranged **Height Length** • tall and short • long and short • tall/long and short **Capacity** • 3 little pigs • goldilocks •	**Sequencing** • sequence images from a nursery rhyme, familiar story and their daily routine **Positional language** • on/under, in/out, in front/behind, **More than/ fewer than** • look at two sets of objects – which has more/fewer? • compare two groups **2D/ 3D shape** – revisit pattern from autumn • circles/triangles/ rectangles • cubes/cuboids • spheres/cylinders	**Number Composition** • 1-5 revision • which pairs of numbers make 3, 4 and 5 **What comes after?** **What comes before?** • number line • count along find the missing number on a number track • sequence numbers by counting forwards and backwards. **Numbers to 5** • count accurately • represent the amount using a numeral • sequence number cards

MATHS Overview	Term 1A	Term 1B	Term 2A	Term 2B	Term 3A	Term 3B
Reception Topic	Getting To Know You	Celebrations	Winter and Birds	Once Upon a Time	On the Farm	At the Seaside
Key Learning Mastering Number		**Week 1:** Subitising (within 3) **Week 2:** Counting, Cardinality and Ordinality **Week 3:** Composition (of 3 and 4) **Week 4:** Subitising (perceptual and conceptual) **Week 5:** Comparison (more than/fewer than/ same/different)	**Week 6:** Counting, Cardinality and Ordinality (deepen understanding of 5) **Week 7:** Comparison (compare no of objects in 2 sets) **Week 8:** Composition (wholes and parts) **Week 9:** Composition (of numbers 3,4 and 5) **Week 10:** Counting, Cardinality and Ordinality (to 10)	**Week 11:** Subitising (Subitise within 5 focus: die patterns and match numerals to quantities within 5) **Week 12:** Counting, Cardinality and Ordinality (Counting – focus on ordinality and the 'staircase' pattern and one more than the previous number) **Week 13:** Composition (focus on 5) **Week 14:** Composition (focus on 6 and 7 as '5 and a bit') **Week 15:** Composition (Compare sets and use language of comparison: more than, fewer than, an equal number to Make unequal sets equal)	**Week 16:** Counting, Cardinality and Ordinality (Focus on the 'staircase' pattern and ordering numbers) **Week 17:** Comparison (Focus on ordering of numbers to 8 and use language of less than) **Week 18:** Composition (focus on 7) **Week 19:** Composition (Doubles – explore how some numbers can be made with 2 equal parts) **Week 20:** Composition (odd and even)	**Week 21:** Counting, Cardinality and Ordinality (counting larger sets) **Week 22:** Subitising (to 6 inc structure arrangements) **Week 23:** Composition (5 and a bit) **Week 24:** Composition (to 10) **Week 25:** Comparison (ordinality) **Week 26:** Subitise to 5 – intro Rekenrek **Week 27:** Review and Assess – automatic recall of no bonds to 5 **Week 28:** Review and Assess – composition of numbers to 10 **Week 29:** Review and Assess – comparison **Week 30:** Review and Assess – number patterns **Week 31:** Review and Assess - counting
Key Learning White Rose Maths	Weeks 3-4 **Match, Sort and Compare** • match pictures and objects. • identify a set • sort objects to a type • compare amounts Weeks 5-6 **Talk About Measure and Patterns**	Week 6 **Mass and Capacity** • compare mass • find a balance • explore capacity • compare capacity Week 7 **Explore 3D Shapes** • recognise and name 3d shapes			Week 6 and 7 **Length, Height and Time** • explore and compare length • explore and compare height • talk about time • order and sequence time	Week 6: **Explore 3D Shapes (part 2)** Manipulate, compose and decompose • rotate shapes • copy 2d shape pictures • find 2d shapes within 3d shapes • identify more complex patterns

	• compare size, mass and capacity • explore, copy and continue simple patterns • create patterns Week 7 **Circles and Triangles** • identify and name circle and triangles • compare circles and triangles • shapes in the environment • describe position Week 8 **Shapes with 4 sides** • identify and name shapes with 4 sides • combine shapes with 4 sides • shapes in the environment • day and night	• find 2d shapes within 3d shapes • use 3d shapes • 3d shapes in the environment				• copy and continue patterns • patterns in the environment Week 7 **Review**

MATHS Overview	Term 1A	Term 1B	Term 2A	Term 2B	Term 3A	Term 3B
Year 1 Topic	Who Am I?	On Our Doorstep	London's Calling!	Out of this World!	Once Upon a Time…	Let's Explore!
Key Learning White Rose Hub A retrieval exercise will be carried out 2 weeks after a unit has been taught as well as at the start of the unit when it is next revisited.	**Number Blocks 1-10** (optional depending on cohort) **Place Value within 10** **approx. 6wks** • Sort, count and represent objects. • recognise numbers as words • count on from any number • count back within 10 • 1 more / 1 less • compare groups by matching • fewer/more/same • less than/greater than/equal to • compare numbers • order objects and numbers and use the number line	**Addition and Subtraction within 10** **approx. 6wks** • parts and wholes • write number sentences • fact families – addition • number bonds within 10 • number bonds to 10 • addition • subtraction • fact families + & - • subtraction – how many left • number line **Mass and Volume** **approx. 1wk** • heavier and lighter • measure and compare mass • compare volume • measure and compare capacity	**2d and 3d Shape** **approx. 1wk** • recognise and name 2d shapes • recognise and name 3d shapes • sort shapes • patterns **Place Value within 20** **approx. 3wks** • count within 20 • understand 10 • teen numbers 11-19 • understand 20 • 1 more and 1 less • the number line to 20 • use and estimate on a number line to 20 • compare and order numbers to 20 **Length and Height** **approx. 1wk** • compare length and height • measure length using objects • measure length in cms	**Addition** **Subtraction within 20** **approx. 3wks** • add by counting on within 20 • add ones using number bonds • find and make number bonds to 20 • doubles and near doubles • subtract ones using number bonds • subtraction – counting back • subtraction – difference • related facts • missing number problems **Place Value to 50** **approx. 2wks** • count from 20 to 50 • 20, 30, 40 and 50 • count by making groups of ten • groups of tens and ones • partition into tens and ones • the number line to 50 • estimate on a number line to 50 • 1 more 1 less	**Money** **approx. 1wk** • unitising • recognising coins • count in coins **Time approx. 2wks** • before and after • days of the week • months of the year • hours, minutes and seconds • tell the time to the hour and half hour **Position and Direction** **approx. 1wk** • describe turns • describe position – left and right, forwards and backwards and above and below • ordinal numbers **Fractions approx. 2wks** • recognise and find half of an object and shape • recognise and find half of a quantity • recognise and find a quarter of an object or shape • recognise and find a quarter of a quantity	**Place value to 100** **approx. 3wks** • count from 50 to 100 • tens to 100 • partition into tens and ones • the number line to 100 • 1 more 1 less • compare numbers with the same number of tens • compare any two numbers **Multiplication and Division** **approx. 3wks** • count in 2s • count in 10s • count in 5s • recognise equal groups • add equal groups • make arrays • make doubles • make equal groups – grouping • make equal groups – sharing

Key Learning Mastering Number		**Wk1:** Composition Practise Subitising and recap composition of 5	**Wk2:** Composition Composition of 6,7,8 and 9 as 5 and a bit. **Wk3:** Composition Composition of 6,7,8 and 9 as 5 and a bit. **Wk4:** Comparison Compare sets by matching and use lang, of comparison more than/fewer than **Wk5:** Counting, Cardinality and Ordinality Recap the order of numbers to 10 using the 'staircase' pattern Identify numbers that are '1 more' or '1 less' and apply this to sets of objects **Wk6:** Composition Focus on doubles and recap that even numbers can be made with 2 equal parts	**Wk7:** Composition (Focus on odd and even numbers) **Wk8:** Composition (Focus on the composition of 6 – 2by3 egg box pattern and Rekenrek) **Wk9:** Composition (Focus on the composition of 8 – 2 by 4 grid and Rekenrek) **Wk10:** Composition (Focus on the composition of 10 – 2 by 5 grid and Rekenrek) **Wk11:** Counting, Cardinality and Ordinality (Focus on representations of ordinality Compare number tracks and number lines)	**Wk12:** Composition Focus on composition of 7 **Wk13:** Composition Focus on composition of 9 – inc 3 by 3 grid **Wk14:** Composition Recap Odd and Even Nos Explore how odd numbers are 1 odd part and 1 even part, and even numbers are 2 odd parts or 2 even parts **Wk15:** Composition Explore part part whole **Wk16:** Composition Intro. systematic approach to partitioning **Wk17:** Composition Systematic partitioning of numbers within 10 Connect Doubling/Halving **Wk18:** Number Facts and Arithmetic 1 more or 1 less connected to odd and even numbers	**Wk19:** Number Facts and Arithmetic Adding or subtracting 2 to odd or even numbers **Wk20:** Number Facts and Arithmetic Apply knowledge of composition of even numbers to subtract from 6, 8 and 10, for both the partitioning and reduction structures of subtraction **Wk21:** Number Facts and Arithmetic Apply knowledge of composition of even numbers to subtract from 5, 7 and 9, for both the partitioning and reduction structures of subtraction **Wk22:** Composition Focus on the composition of 11 to 15 as '10 and a bit' **Wk23:** Counting, Cardinality and Ordinality Focus on the position of the numbers 11 to 15 on the number line Recap midpoint on a 0 to 10 number line and see that 10 is the midpoint on a 0 to 20 number line. **Wk24**: Number Facts and Arithmetic Read, write and interpret expressions and equations with the + and = symbols to represent combining two sets (the aggregation structure of addition)

MATHS Overview	Term 1A	Term 1B	Term 2A	Term 2B	Term 3A	Term 3B
Year 2 Topic	All About Me	Me and My World	Birds/Healthy Me	How do we Travel?	Our Planet	Amazing Animals
Key Learning White Rose Hub	**Number and Place Value** • count objects to 100 by making 10s • recognise tens and ones • use a place value chart • partition numbers to 100 • write numbers to 100 in words • partition numbers to 100 • 10s on the number line to 100 • 10s and 1s on the number line to 100 • estimate numbers on a number line • compare numbers • order objects and numbers • count in 2s, 5s and 10s • count in 3s • odd and even numbers **Geometry - 2D Shapes** • recognise 2d shapes • count sides on 2d shapes • count vertices on 2d shapes • draw 2d shapes • sort 2d shapes	**Addition & Subtraction** • bonds to 10 • fact families +&- within 20 • related facts • bonds to 100 (tens) • add and subtract 1s • add by making 10 • add three 1-digit numbers • add to the next 10 • add and subtract across a 10 • subtract from a 10 • subtract a 1-digit from a 2-digit across a 10 • 10 more 10 less • add and subtract 10s • add two 2-digit numbers -not across a 10 • add two 2-digit numbers – across a 10 • subtract two 2-digit numbers – not across a 10 • subtract two 2-digit numbers – across a 10 • mixed addition and subtraction • compare number sentences	**Measure: Time (quarter past and quartet to)** • quarter past and quarter to • tell time past the hour • tell time to the hour **Geometry – 3D shape** • recognise 3d shapes • count faces, edges and vertices on 3d shapes • sort 3d shapes • make patterns with shapes **Multiplication and Division** • recognise equal groups • make equal groups • add equal groups • introduce x symbol • multiplication sentences • make equal groups – grouping • doubling and halving • 10 times table • 5 times table **Fractions** • introduce to parts and wholes • equal and unequal parts • recognise half • find half	**Multiplication** • recognise equal groups • make equal groups • make equal groups – sharing • the 2 times table • divide by 2 • doubling and halving • 10 times table • divide by 10 • divide by 5 Number: Fraction of a Number, **Money** • count money – pence • count money – pounds notes/coins • choose notes and coins • make same amount • compare amounts • calculate with money • make a pound • find change • partition to 100 • two-step problems **Fractions of a number** • parts and wholes • equal and unequal parts • recognise and find a half • find half • recognise and find a third	, **Addition and Subtraction** • add across 10 • subtract across 10 • subtract a 1-digit from a 2-digit across a 10 • subtract two 2-digit numbers – across a 10 • mixed addition and subtraction • compare number sentences • missing number problems **Symmetry** • lines of symmetry • lines of symmetry to complete shapes **Multiplication and Division** • recognise equal groups • make equal groups • add equal groups • introduce x symbol • multiplication sentences • make equal groups – grouping • doubling and halving • 10 times table • 5 times table **Fractions** • introduce to parts and wholes	**Statistics** **Cross Curricular** • make tally charts • tables • block diagrams • draw pictograms • interpret pictograms • draw pictograms 2,5 and 10 • interpret pictograms 2, 5 and 10 **Multiplication and Division** • equal groups • use x symbol • multiplication sentences • make equal groups – grouping and sharing • 2 times table • divide by 2 • doubling and halving • 10 times table • divide by 10 • 5 times table • divide by 5 **Position and Direction** • language of position • describe movement • describe turns • describe movement and turns • shape patterns with turns **Measure: Weight, Volume and Capacity**

		Measure: time (o'clock and half past the hour) • o'clock and half past • tell time past the hour • tell time to the hour • minutes in an hour • hours in a day	• recognise a quarter • find a quarter • recognise a third • find a third • find the whole • recognise equivalence of half and two quarters • recognise three-quarters • find three quarters • count in fractions up to a whole **Measure: Height and Length** • measure in cms and metres • compare and order lengths and heights • four operations with lengths and heights	• find the whole • understand equivalence of half and two quarters • recognise and find three-quarters **Measure: Time (five-minute intervals),** • tell time past the hour • tell time to the hour • tell the time to 5 minutes	• equal and unequal parts • recognise half • find half • recognise a quarter • find a quarter • recognise a third • find a third • find the whole • recognise equivalence of half and two quarters • recognise three-quarters • find three quarters • count in fractions up to a whole	• compare mass • measure in grams, kgs • four operations with mass • compare volume and capacity • measure in ml and l • four operations with volume and capacity • temperature •
Key Learning Mastering Number		**Wk1:** Composition Composition of 6,7,8 and 9 as '5 and a bit'	**Wk2:** Composition Compare numbers within 10 – use inequality and equal symbols **Wk3:** Composition Focus on odd and even parts **Wk4:** Composition Composition of 6 **Wk5:** Composition Composition of 8 **Wk6:** Composition Composition of 10	**Wk7:** Composition Composition of odd numbers **Wk8:** Composition Composition of 7 **Wk9:** Composition Composition of 9 **Wk10:** Composition Composition of numbers 11 to 19 as '10 and a bit' **Wk11:** Counting, Cardinality and Ordinality Compare numbers within 20	**Wk12:** Number Facts & Arithmetic Focus on doubling numbers to 10, using the '5 and a bit' structure to double 6, 7, 8 and 9 **Wk13:** Composition Composition of 20 using known facts within 10 **Wk14:** Number Facts & Arithmetic Apply knowledge of facts within 10 to addition and subtraction within 20 WITHIN the 10s boundary **Wk15:** Number Facts & Arithmetic Use knowledge of doubles to calculate near doubles	**Wk19:** Number Facts & Arithmetic Consolidate understanding of adding 2 numbers by bridging through 10 **Wk20:** Number Facts & Arithmetic Subtract by bridging through 10 **Wk21:** Number Facts & Arithmetic Consolidate understanding of subtracting by bridging through 10 **Wk22:** Counting, Cardinality and Ordinality Connect the order of multiples of 10 to the

					– see sum in a near double is odd **Wk16:** Number Facts & Arithmetic Dev understanding of near doubles **Wk17:** Number Facts & Arithmetic Add 3 numbers using known facts - identifying bonds of 10 and knowledge of the composition of 11 to 19 as 10 and a bit **Wk18:** Number Facts & Arithmetic Add 2 numbers by bridging through ten	order of numbers within 10 **Wk23:** Number Facts & Arithmetic Connect missing addition addend problems to subtraction problems **Wk24:** Number Facts & Arithmetic Subtract across the 10 boundary, by subtracting FROM 10 rather than bridging THROUGH 10

MATHS Overview	Term 1A	Term 1B	Term 2A	Term 2B	Term 3A	Term 3B
Reception Topic	Getting To Know You	Celebrations	Winter and Birds	Once Upon a Time	On the Farm	At the Seaside
KIRFs	Say numbers to 0 to 5 and back from 5 to 0	Say number to 0 to 10 and back from 10 to 0	Know days of the week	Partition numbers to 5 into two groups	Count, read and order numbers to 20	Use physical representations to add and subtract
Year 1 Topic	Who Am I?	On Our Doorstep	London's Calling!	Out of this World!	Once Upon a Time…	Let's Explore!
KIRFS	1 more and 1 less to 20	Know numbers bonds for each number up to 6	Know number bonds for to 10	Know doubles and halves of numbers up to 10	I know number bonds for each number to 10	Tell the time using o'clock and half past
Year 2 Topic	All About Me	Me and My World	Birds/Healthy Me	How do we Travel?	Our Planet	Amazing Animals
KIRFs	Count forwards and backwards in steps of 2, 5 and 10	Know number bonds to 20	Know multiplication and division facts for the 10 times table	Know doubles and halves of numbers to 20	Know multiplication and division facts for the 2 times table	Know multiplication and division facts for the 5 times table