Yearly Overview with White Rose Maths Small Steps

Early Years Curriculum

Preschool – Age 2-3 (Hoglets)

Preschool – Birth to 3

The yearly overview provides a clear, at-a-glance progression of mathematical areas and concepts across the nursery scheme. The 24 blocks are designed to be flexible and can be accessed at any point, allowing children to join the programme whenever they start nursery. This flexibility enables practitioners to begin at a stage that is developmentally appropriate, accommodating children who enter at different times throughout the year or who attend for varying lengths of time.

NUMBER **Counting**	**NUMBER** **Comparison and Cardinality**
1. Take part in finger rhymes with numbers. 2. Develop counting-like behaviour, such as making sounds, pointing or saying some numbers in sequence. 3. Count in everyday contexts, even sometimes skipping numbers – '1,2,3, - 5'	1. React to changes of amount in a group of up to three items. 2. Compare amounts, saying 'lots', 'more' or 'same'
https://www.bbc.co.uk/teach/school-radio/nursery-rhymes-counting-songs/zn67kmn **Suggestions:-** **Song bag** – Use props for counting rhymes; model counting down on fingers. **Count and move** – Act out counting (e.g. jumping frogs, swimming ducks). **Body counting** – Count body parts (eyes, ears, fingers, toes). **Songs** – Sing counting songs with actions. **Sharing out** – Distribute items; model "one each" counting.	**Suggestions** **2 little dicky birds** – Personalise names; use finger puppets to act out. **Building towers** – Compare size/height (bigger, smaller, same). **Pom pom transfer** – Use language of quantity (lots, more, same).

Shape, Space and measure **Spatial awareness**	**Shape, Space and measure** **Shape**	**Shape, Space and Measure** **Pattern**	**Shape, Space and Measure** **Measures**
1. Climb and squeeze themselves into different types or spaces.	1. Combine objects like stacking blocks and cups. Put objects inside others and take them out again. 2. Build with a range of resources. 3. Complete inset puzzles.	1. Notice patterns and arrange things in patterns.	1. Compare sizes, weights etc. using gestures and language – 'bigger / little / smaller', 'high / low', 'tall', 'heavy'
Suggestions: - **Den building** – Build/hide using materials; use spatial words (in, up, down, under). **Tunnels** – Crawl through tunnels; explore position (through, inside).	**Suggestions: -** **Treasure baskets** – Explore varied shapes, sizes and weights. **Stacking blocks/cups** – Compare size/shape while building. **Stacking pebbles** – Arrange and balance different sizes. **Small world** – Use size language (big/small) in play. **Building materials** – Stack and construct with varied objects. **Outdoor construction** – Build collaboratively with large materials. **Jigsaw puzzles** – Match pieces using spatial language. **Puzzle shapes** – Describe and compare piece shapes and sizes.	**Suggestions: -** **Pattern day** – Wear and discuss patterns. **Pattern walk** – Find patterns indoors/outdoors. **Outdoor rubbings** – Explore patterns (leaves, bark). **Threading** – Create repeating patterns. **Shoe soles** – Compare pattern designs. **Animal patterns** – Explore and make repeating patterns. **Giraffe collage** – Create animal patterns with materials. **Butterfly wings** – Explore symmetrical patterns. **Printing** – Potato/block printing patterns. **Fingerprints** – Explore and create patterns. **Snake patterns** – Spotty/striped pattern exploration. **Playdough** – Make and repeat patterns.	**Suggestions: -** **Treasure baskets** – Explore objects using senses; describe what they are like and do. **Home corner** – Use varied sizes (plates, cups, dolls, books) to compare size and weight. **Sandy socks** – Fill socks of different sizes with sand; explore size, capacity and patterns. **Water play** – Use clear containers to explore capacity (full/empty, more/less, heavy/light). **Digging** – Use buckets/wheelbarrows to explore weight (heavy/heavier) and "one more/less". **Stick play** – Compare lengths (long/short); explore shape and number. **Rocks and stones** – Investigate size and weight through stacking, sorting and pattern-making.

Yearly Overview with White Rose Maths Small Steps

Early Years Curriculum

Nursery - Age 3-4 (Hedgehogs)

Nursery

The yearly overview provides a clear, at-a-glance progression of mathematical areas and concepts across the nursery scheme. The 24 blocks are designed to be flexible and can be accessed at any point, allowing children to join the programme whenever they start nursery. This flexibility enables practitioners to begin at a stage that is developmentally appropriate, accommodating children who enter at different times throughout the year or who attend for varying lengths of time.

Comparison 1 **More than, Fewer than, Same**	**Shape, Space and measure 1** **Explore and build shapes & objects**	**Pattern 1** **Explore repeats**	**Counting 1** **Hear and say number names**	**Counting 2** **Begin to order number names**	**Subitising 1** **I see 1, 2, 3**
1. Collect objects to compare amounts 2. Make simple comparisons of amounts 3. Look for collections of large and small amounts 4. Compare and talk about large and small amounts 5. Make large and small collections 6. Make collections the same	1. Explore and play with shapes 2. Show interest in simple differences between shapes 3. Put shapes and blocks into position 4. Select shapes for a reason 5. Begin to explore and describe natural shapes and objects 6. Find and collect objects for a purpose	1. Listen to repeats in songs and stories 2. Start to join in songs with repeats 3. Start to join in with repeats from stories 4. Clap along to songs 5. Make line patterns with own sequences 6. Choose blocks to build roads and towers	1. Hear some number names 2. Join in saying some number names 3. Model saying number names in order 4. Practise saying number names in order 5. Join in stable order counting forwards 6. Join in stable order counting backwards	1. Model saying 1, 2 and 3 in play 2. Copy the sequence of 1, 2 and 3 3. Copy fingers to represent 1, 2 and 3 4. Begin to count actions 5. Say number names in order 6. Begin to recognise that anything can be counted	1. Notice images in books 2. Respond to "I see 1, 2, 3" 3. Recognise "I see 1, 2, 3" 4. Copy "I see 1, 2, 3" 5. Point to 1, 2, 3 **6.** Recognise 1, 2, 3 in well-known tales
Pattern 2 **Join in with repeats**	**Shape, space and measure 2** **Explore position and space**	**Subitising 2** **Show me 1, 2, 3**	**Counting 3** **Move and label 1, 2, 3**	**Shape, space and measure 3** **Explore position and routes**	**Pattern 3** **Explore own first patterns**
1. Join in with repeated actions in songs 2. Join in with repeats in songs and stories 3. Sing some refrains independently 4. Have a sense of daily routines 5. Say what happens next 6. Make arrangements in art	1. Respond to simple language of position 2. Arrange blocks in a chosen position 3. Select shapes for a space 4. Recognise when 2 objects are the same shape 5. Explore and describe shapes and objects 6. Sort shapes and objects into simple categories	1. Copy fingers to show 1 2. Copy fingers to show 2 3. Copy fingers to show 3 4. Show 1 finger when seeing 1 item in stories 5. Show 2 or 3 fingers when seeing 2 or 3 in stories 6. Show 1, 2, 3 on fingers when asked	*1. Make actions when saying counting words* *2. Move fingers when saying counting words* *3. Count out up to 3 objects from rhymes* *4. Notice number symbols as labels* *5. Label amounts as 1 and not 1* *6. Label amounts as 1, 2 or 3*	1. Explore shape resources 2. Explore more complex inset jigsaws 3. Talk about simple positions 4. Move into simple positions 5. Move through positions 6. Follow simple small-world routes	*1. Explain simple pattern arrangements* *2. Make roads and bridges with intent* *3. Choose blocks to copy simple creations* *4. Make simple line patterns with objects* *5. Make simple pattern arrangements* *6. Show an interest in patterns and shapes*
Counting 4 **Take and give 1, 2, 3**	**Shape, space and measure 4** **Match, talk, push and pull**	**Subitising 3** **Talk about dots**	**Comparison 2** **Compare and sort collections**	**Pattern 4** **Lead on own repeats**	***Shape, space and measure 5*** ***Start to puzzle***
1. Choose a group to count 2. Take out 2 from a group 3. Take out 3 from a group 4. Give others 2 items 5. Give others 3 items **6.** Count 3 objects with one-to-one correspondence	1. Match simple shapes 2. Push some shapes and blocks together 3. Make simple arrangements 4. Talk about arrangements 5. Follow simple routes outside 6. Follow toys around a simple route	1. Become familiar with dot patterns 2. Say when there is 1 dot 3. Say when there are 2 dots 4. Recognise 1 and 2 in different arrangements 5. Say when there are 3 dots 6. Recognise 1, 2 and 3 in different arrangements	1. Notice when two collections are the same 2. Make collections of small objects the same 3. Make collections of large objects the same 4. Recognise two collections are the same using large and small objects 5. Make collections the same using large and small objects **6.** Sort and talk about their own collections	1. Join in fully with sequences and songs 2. Sing rhymes independently 3. Lead sequences and songs 4. Read on in familiar repeating stories 5. Copy art-based simple patterns **6.** Explore own line and repeating patterns in art	*1. Complete shape-match puzzles* *2. Complete simple jigsaws* *3. Match objects to pictures* *4. Match objects to shadows* *5. Explore objects and small world from different positions* *6. Make simple routes in small world with lines and curves*
Pattern 5 **Making patterns together**	**Subitising 4** **Make games and actions**	**Counting 5** **Show me 5**	**Pattern 6** **My own pattern**	**Counting 6** **Stop at 1, 2, 3, 4, 5**	**Comparison 3** **Match, sort, compare**
1. Sing their own songs independently 2. Clap in time to a beat 3. Make and talk about movement patterns 4. Talk about objects in patterns and arrangements 5. Copy AB patterns with support **6.** Continue AB patterns with support	1. Match dot patterns 2. Be introduced to subitising games 3. Play subitising games 4. Copy sets of sounds 5. Listen to and represent sounds with fingers 6. Listen to and represent sounds with resources	1. Sing rhymes to 5 and join in with movements 2. Move props to 5 3. Move props back from 5 4. Show fingers to 5 5. Begin to count 5 objects with one-to-one correspondence 6. Match numerals to quantities when acting out songs	1. Continue AB patterns 2. Create their own AB patterns 3. Notice an error in a pattern 4. Build constructions with simple enclosures 5. Copy simple repeated constructions **6.** Begin to sequence some events	1. Count out up to 5 objects from a larger group 2. Explore counting to 5 in different ways 3. Verbally count to a given number 4. Label objects with numerals 5. Independently show fingers to 5 **6.** Begin to make marks to represent quantities	1. Compare up to 5 different objects 2. Compare by matching 3. Make the same set by matching 4. Match by type 5. Recognise attributes of objects 6. Begin to sort some objects to a type

Yearly Overview with White Rose Maths Small Steps

Early Years Curriculum

Reception – Age 4-5

Reception

The scheme supports specific teaching through small steps with adult-led activities and continuous provision. The focus is on building up the numbers slowly, so children gain a deep understanding of them and how they are composed.

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	***Getting to know you***		**Match, Sort and Compare** 1. Match objects 2. Match pictures and objects 3. Identify a set 4. Sort objects to a type 5. Explore sorting techniques 6. Create sorting rules 7. Compare amounts		**Talk about measure and patterns** 1. Compare size 2. Compare mass 3. Compare capacity 4. Explore simple patterns 5. Copy and continue simple patterns 6. Create simple patterns		**It's me 1, 2, 3** 1. Find 1, 2 and 3 2. Subitise 1, 2 and 3 3. Represent 1, 2 and 3 4. 1 more 5. 1 less 6. Composition of 1, 2 and 3		**Circles and triangles** 1. Identify & name circles & triangles Compare circles and triangles 2. Shapes in the environment 3. Describe position	**1, 2, 3, 4, 5** 1. Find 4 and 5 2. Subitise 4 and 5 3. Represent 4 and 5 4. 1 more 5. 1 less 6. Composition of 4 and 5 7. Composition of 1 – 5		**Shapes with 4 sides** 1. Identify and name shapes with 4 sides 2. Combine shapes with 4 sides 3. Shapes in the environment 4. My day and night
Spring	**Alive in 5** 1. Introduce zero 2. Find 0 to 5 3. Subitise 0 to 5 4. Represent 0 to 5 5. 1 more 6. 1 less 7. Composition 8. Conceptual subitising to 5		**Mass and Capacity** 1. Compare mass 2. Find a balance 3. Explore capacity 4. Compare capacity		**Growing 6, 7 ,8** 1. Find 6, 7 and 8 2. Represent 6, 7 and 8 3. 1 more - 1 less 4. Composition of 6, 7 and 8 5. Make pairs-odd and even 6. Double to 8 (find a double 7. Double to 8 (make a double 8. Combine 2 groups 9. Conceptual subitising		**Length, Height and Time** 1. Explore length 2. Compare length 3. Explore height 4. Compare height 5. Talk about time 6. Order and sequence		**Building 9 and 10** 1. Find 9 and 10 2. Compare numbers to 10 3. Represent 9 and 10 4. Conceptual subitising to 10 5. 1 more • 1 less 6. Composition to 10 7. Bonds to 10 (2 parts) 8. Make arrangements of 10 9. Bonds to 10 (3 parts 10. Doubles to 10 (find a double 11. Doubles to 10 (make a double 12. Explore even and odd			**Explore 3D Shapes** 1. Recognise and name 3-D shapes 2. Find 2-D shapes within 3-D shapes 3. Use 3-D shapes for tasks 4. 3-D shapes in the environment 5. Identify more complex patterns 6. Copy and continue patterns 7. Patterns in the environment	
Summer	**To 20 and beyond** 1. Build numbers beyond 10 (10 -13) 2. Continue patterns beyond 10 (10-13) 3. Build numbers beyond 10 (14-20) 4. Continue patterns beyond 10 (14-20 5. Verbal counting beyond 20 6. Verbal counting patterns		**How many now?** 1. Add more 2. How many did I add? 3. Take away 4. How many did I take away?		**Manipulate, compose and decompose** 1. Select shapes for a purpose 2. Rotate shapes 3. Manipulate shapes 4. Explain shape arrangements 5. Compose shapes 6. Decompose shapes 7. Copy 2-D shape pictures 8. Find 2-D shapes within 3-D shapes		**Sharing and Grouping** 1. Explore sharing 2. Sharing 3. Explore grouping 4. Grouping 5. Even and odd sharing 6. Play with and build doubles		**Visualise, build and map** 1. Identify units of repeating patterns 2. Create own pattern rules 3. Explore own pattern rules 4. Replicate and build scenes and constructions 5. Visualise from different positions 6. Describe positions 7. Give instructions to build 8. Explore mapping 9. Represent maps with models 10. Create own maps from familiar places 11. Create own maps and plans from story situations		**Make Connections** 1. Deepen understanding 2. Patterns and relationships	**Consolidation** Summer activity week

Yearly Overview with White Rose Maths Small Steps

Key Stage 1 Curriculum

Year 1 – Age 5-6

Year 1												
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	**Number Place Value (within 10)**					**Number Addition and Subtraction**					**Geometry Shapes**	**Consolidation**
	Sort objects Count objects Count objects from a larger group Represent objects Recognise numbers as words Count on from any number 1 more Count backwards within 10 1 less Compare groups by matching Fewer, more, same Less than, greater than, equal to Compare numbers Order objects and numbers The number line					Introduce parts and wholes Part-whole model Write number sentences Fact families - addition facts Number bonds within 10 Systematic number bonds within 10 Number bonds to 10 Addition - add together Addition - add more Addition problems Find a part Subtraction - find a part Fact families - the eight facts Subtraction - take away/cross out (How many left?) Subtraction - take away (How many left?) Subtraction on a number line Add or subtract 1 or 2					Recognise & name 3-D shapes Sort 3-D shapes Recognise and name 2-D shapes Sort 2-D shapes Patterns with 2-D and 3-D shapes	Christmas Maths
Spring	**Number Place Value (within 20)**			**Number Addition and Subtraction**			**Number Place Value (within 50)**		**Measurement Length and height**		**Measurement Mass and Volume**	
	Count within 20 Understand 10 Understand 11, 12 and 13 Understand 14, 15 and 16 Understand 17, 18 and 19 Understand 20 1 more and 1 less The number line to 20 Use a number line to 20 Estimate on a number line to 20 Compare numbers to 20 Order numbers to 20			Add by counting on within 20 Add ones using number bonds Find and make number bonds to 20 Doubles Near doubles Subtract ones using number bonds Subtraction - counting back Subtraction - finding the difference Related facts Missing number problems			Count from 20 to 50 20, 30, 40 and 50 Count by making groups of tens 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		Compare lengths and heights Measure length using objects Measure length in centimetres		Heavier and lighter Measure mass Compare mass Full and empty Compare volume Measure capacity Compare capacity	
Summer	**Number Multiplication and Division**			**Number Fractions**		**Geometry Position & Direction**	**Number (Place Value within 100)**		**Measurement Money**	**Measurement Time**		**Consolidation**
	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			Recognise a half of an object or a shape Find half of object or shape Recognise half of a quantity Find a half of a quantity Recognise a quarter of an object or a shape Find a quarter of object or shape Recognise quarter of quantity Find a quarter of a quantity		Describe turns Describe position - left and right forwards and backwards above and below Ordinal numbers	Count from 50 to 100 Ten 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		Unitising Recognise coins Recognise notes Count in coins	Before and after Days of the week Months of the year Hours, minutes and seconds Tell the time to the hour Tell the time to the half hour		

Yearly Overview with White Rose Maths Small Steps

Key Stage 1 Curriculum

Year 2 – Age 6-7

Year 2												
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
	Number - Place Value				**Number - Addition**		**Number - Subtraction**			**Geometry – Shape**		
Autumn	Numbers to 20 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 Flexibly partition numbers to 100 Write numbers to 100 in expanded form 10s on the number line to 100 10s and 1s on the number line to 100 Estimate numbers on a number line Compare objects / Compare numbers Order objects and numbers Count in 2s, 5s and 10s Count in 3s				Bonds to 10 Fact families - addition and subtraction bonds 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 across a 10		Subtract across 10 Subtract from a 10 Subtract a 1-digit number from a 2-digit number (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 Missing number problems			Recognise 2-D and 3-D shapes Count sides on 2-D shapes Count vertices on 2-D shapes Draw 2-D shapes Lines of symmetry on shapes Use lines of symmetry to complete shapes Sort 2-D shapes Count faces on 3-D shapes Count edges on 3-D shapes Count vertices on 3-D shapes Sort 3-D shapes Make patterns with 2-D and 3-D shapes		
	Number Multiplication and Division					**Measurement Money**		**Measurement Length and height**		**Measurement Mass, capacity and temperature**		
Spring	Recognise equal groups / Make equal groups Add equal groups Introduce the multiplication symbol Multiplication sentences Use arrays Make equal groups – grouping & sharing The 2 times-table Divide by 2 Doubling and halving Odd and even numbers The 10 times-table Divide by 10 The 5 times-table Divide by 5 The 5 and 10 times-tables					Count money – pence Count money - pounds (notes and coins) Count money - pounds and pence Choose notes and coins Make the same amount Compare amounts of money Calculate with money Make a pound Find change Two-step problems		Measure in centimetres Measure in metres Compare lengths and heights Order lengths and heights Four operations with lengths and heights		Compare mass Measure in grams Measure in kilograms Four operations with mass Compare volume and capacity Measure in millilitres Measure in litres Four operations with volume and capacity Temperature		
	Number Fractions			**Measurement Time**			**Statistics**		**Geometry Position and Direction**		***Consolidation***	
Summer	Introduction to parts and whole Equal and unequal parts Recognise a half / Find a half Recognise a quarter / Find a quarter Recognise a third / Find a third Find the whole Unit fractions Non-unit fractions Recognise the equivalence of a half and two quarters Recognise three-quarters Find three-quarters Count in fractions up to a whole			O'clock and half past Quarter past and quarter to Tell time past the hour Tell time to the hour Tell the time to 5 minutes Minutes in an hour Hours in a day			Make tally charts Tables Block diagrams Draw pictograms (1-1) Interpret pictograms (1-1) Draw pictograms (2, 5 and 10) Interpret pictograms (2, 5 and 10)		language of position Describe movement Describe turns Describe movement and turns Shape patterns with turns		

Yearly Overview with White Rose Maths Small Steps

Lower Key Stage 2 Curriculum

Year 3 – Age 7-8

Year 3												
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	**Number Place Value**			**Number Addition and Subtraction**					**Number Multiplication and Division A**			
	Represent numbers to 100 Partition numbers to 100 Number line to 100 Hundreds Represent numbers to 1,000 Partition numbers to 1,000 Flexible partitioning of numbers to 1,000 Hundreds, tens and ones Find 1, 10 or 100 more or less Number line to 1,000 Estimate on a number line to 1,000 Compare numbers to 1,000 Order numbers to 1,000 Count in 50s			Apply number bonds within 10 Add and subtract 1s / Add and subtract 10s / Add and subtract 100s Spot the pattern Add 1s across a 10 Add 10s across a 100 Subtract 1s across a 10 Subtract 10s across a 100 Make connections Add two numbers (no exchange) Subtract two numbers (no exchange) Add two numbers (across a 10) Add two numbers (across a 100) Subtract two numbers (across a 10) Subtract two numbers (across a 100)					Multiplication – equal groups / Use arrays Multiples of 2 Multiples of 5 and 10 Sharing and grouping Multiply by 3 Divide by 3 The 3 times-table Multiply by 4 Divide by 4 The 4 times-table Multiply by 8 Divide by 8 The 8 times-table The 2, 4 and 8 times-tables		
Spring	**Number Multiplication and Division B**			**Measurement Length and perimeter**			**Number Fraction A**			**Measurement Mass and Capacity**		
	Multiples of 10 Related calculations Reasoning about multiplication Multiply a 2-digit by a 1-digit – no exchange Multiply a 2-digit by a 1-digit – with exchange Link multiplication and division Divide a 2-digit by a 1-digit – no exchange Divide a 2-digit by a 1-digit – flexible partitioning Divide a 2-digit by a 1-digit – with remainders Scaling How many ways?			Measure in metres and centimetres Measure in millimetres Measure in centimetres and millimetres Metres, centimetres and millimetres Equivalent lengths (metres and centimetres) Equivalent lengths (centimetres and millimetres) Compare lengths Add lengths Subtract lengths What is perimeter? Measure perimeter Calculate perimeter			Understand the denominators of unit fractions Compare and order unit fractions Understand the numerators of non-unit fractions Understand the whole Compare and order non-unit fractions Fractions and scales Fractions on a number line Count in fractions on a number line Equivalent fractions on a number line Equivalent fractions as bar models			Use scales Measure mass in grams Measure mass in kilograms and grams Equivalent masses (kilograms and grams) Compare mass Add and subtract mass Measure capacity and volume in millilitres Measure capacity and volume in litres and ml's Equivalent capacity and volume (litres and ml's) Compare capacity and volume Add and subtract capacity and volume
Summer	**Number Fractions B**			**Measurement Money**		**Measurement Time**		**Geometry Shape**	**Statistics**			**Consolidation**
	Add fractions Subtract fractions Partition the whole Unit fractions of a set of objects Non-unit fractions of a set of objects Reasoning with fractions of an amount			Pounds and pence Convert pounds and pence Add money Subtract money Find change		Roman numerals to 12 Tell the time to 5 minutes Tell the time to the minute Read time on a digital clock Use am and pm Years, months and days Days and hours Hours and minutes – use start and end times Hours and minutes - use durations Minutes and seconds Units of time Solve problems with time		Turns and angles Right angles Compare angles Measure and draw accurately Horizontal and vertical Parallel and perpendicular Recognise and describe 2-D shapes Draw polygons Recognise and describe 3-D shapes Make 3-D shapes	Interpret pictograms Draw pictograms Interpret bar charts Draw bar charts Collect and represent data Two-way tables		*Consolidation*

Yearly Overview with White Rose Maths Small Steps

Lower Key Stage 2 Curriculum

Year 4 – Age 8-9

Year 4												
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	**Number Place Value**				**Number Addition and Subtraction**			**Measurement Area**	**Multiplication and Division**			***Consolidation***
	Represent numbers to 1,000 Partition numbers to 1,000 Number line to 1,000 Thousands Represent numbers to 10,000 Partition numbers to 10,000 Flexible partitioning of numbers to 10,000 Find 1, 10, 100, 1,000 more or less Number line to 10,000 Estimate on a number line to 10,000 Compare numbers to 10,000 Order numbers to 10,000 Roman numerals Round to the nearest 10 / nearest 100 / nearest 1,000				Add and subtract 1s, 10s, 100s and 1,000s Add up to two 4-digit numbers – no exchange Add two 4-digit numbers – one exchange Add two 4-digit numbers – more than one exchange Subtract two 4-digit numbers – no exchange Subtract two 4-digit numbers – one exchange Subtract two 4-digit numbers – more than one exchange Efficient subtraction Estimate answers Checking strategies			What is area? Count squares Make shapes Compare areas	Multiples of 3 Multiply and divide by 6 6 times-table and division facts Multiply and divide by 9 9 times-table and division facts The 3, 6 and 9 times-tables Multiply and divide by 7 7 times-table and division facts 11 times-table and division facts 12 times-table and division facts Multiply by 1 and 0 Divide a number by 1 and itself Multiply three numbers		
Spring	**Number Multiplication and Division**				**Measurement Length and Perimeter**			**Number Fractions**				**Number Decimals A**
	Factor pairs Use factor pairs Multiply by 10 Multiply by 100 Divide by 10 Divide by 100 Related facts – multiplication and division Informal written methods for multiplication Multiply a 2-digit number by a 1-digit number Multiply a 3-digit number by a 1-digit number Divide a 2-digit number by a 1-digit number (1) Divide a 2-digit number by a 1-digit number (2) Divide a 3-digit number by a 1-digit number Correspondence problems Efficient multiplication				Measure in kilometres and metres Equivalent lengths (kilometres and metres) Perimeter on a grid Perimeter of a rectangle Perimeter of rectilinear shapes Find missing lengths in rectilinear shapes Calculate perimeter of rectilinear shapes Perimeter of regular polygons Perimeter of polygons			Understand the whole Count beyond 1 Partition a mixed number Number lines with mixed numbers Compare and order mixed numbers Understand improper fractions Convert mixed numbers to improper fractions Convert improper fractions to mixed numbers Equivalent fractions on a number line Equivalent fraction families Add two or more fractions Add fractions and mixed numbers Subtract two fractions Subtract from whole amounts Subtract from mixed numbers			Tenths as fractions Tenths as decimals Tenths on a place value chart Tenths on a number line Divide a 1-digit number by 10 Divide a 2-digit number by 10 Hundredths as fractions Hundredths as decimals Hundredths on a place value chart Divide a 1- or 2-digit number by 100
Summer	**Number Decimals B**			**Measurement Money**		**Measurement Time**	***Consolidation***	**Geometry Shape**		**Statistics**	**Geometry Position and Direction**	
	Make a whole with tenths Make a whole with hundredths Partition decimals Flexibly partition decimals Compare decimals Order decimals Round to the nearest whole number Halves and quarters as decimals			Write money using decimals Convert between pounds and pence Compare amounts of money Estimate with money Calculate with money Solve problems with money		Years, months, weeks and days Hours, minutes and seconds Convert between analogue and digital times Convert to the 24-hour clock Convert from the 24-hour clock		Understand angles as turns Identify angles Compare and order angles Triangles Quadrilaterals Polygons Lines of symmetry Complete a symmetric figure		Interpret charts Comparison, sum and difference Interpret line graphs Draw line graphs	Describe position using coordinates Plot coordinates Draw 2-D shapes on a grid Translate on a grid Describe translation on a grid	