

Richard Avenue Primary School
KS1 Mathematics Planning Overview

Autumn

YG	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15				
1	Intro week	Number – Place Value (within 10) ~ Sorting objects ~ Counting objects ~ Counting objects from a larger group ~ Representing objects ~ Recognising numbers as words ~ Count on from any number ~ Finding one more ~ Count backwards within 10 ~ Finding one less ~ Comparing groups by matching ~ Fewer, more, same ~ Less than, greater than, equal to ~ Compare numbers ~ Order objects and numbers ~ The number line					Number – Addition & Subtraction (within 10) ~ 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 8 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					Geometry – Shape ~ Recognise and name 3D shapes ~ Sort 3D shapes ~ Recognise and name 2D shapes ~ Sort 2D shapes ~ Patterns with 2-D and 3-D shapes	Consolidation work / Xmas production						
2	Intro week	Number – Place Value ~ Numbers to 20 ~ Count objects to 100 by making 10's ~ 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 ~ 10's on the number line to 100 ~ 10's and 1's on the number line to 100 ~ Estimate numbers on a number line ~ Compare objects ~ Compare numbers ~ Order objects and numbers ~ Count in 2's, 5's and 10's ~ Count in 3's					Number – Addition and subtraction ~ Bonds to 10 ~ Fact families - addition and subtraction bonds within 20 ~ Related facts ~ Bonds to 100 (10's) ~ Add and subtract 1's ~ Add by making 10 ~ Add three 1-digit numbers ~ Add to the next 10 ~ Add across a 10 ~ Subtract across a 10 ~ Subtract from a 10 ~ Subtract a 1-digit number from a 2-digit number (across a 10) ~ 10 more and 10 less ~ Add and subtract 10's ~ 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					Geometry – Properties of shape ~ Recognise 2D and 3D shapes ~ Count sides on 2D shapes ~ Count vertices on 2D shapes ~ Draw 2D shapes ~ Lines of symmetry on shapes ~ Use lines of symmetry to complete shapes ~ Sort 2D shapes ~ Count faces on 3D shapes ~ Count edges on 3D shapes ~ Count vertices on 3D shapes ~ Sort 3D shapes ~ Make patterns with 2D and 3D shapes					Assessment week/consolidation work/Xmas production		

Spring

YG	1	2	3	4	5	6	7	8	9	10	11	12			
1	Number – Place Value (within 20) ~ 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			Number – Addition & Subtraction (within 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			Number – Place Value (within 50) ~ Count from 20 to 50 ~ 20, 30, 40, 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			Measure – Length & Height ~ Compare lengths and heights (long/short/longer/shorter/tall/short/taller/shorter) ~ Measure length (cubes/objects) ~ Measure length (cm)			Measure – Weight & Volume ~ Heavier and lighter ~ Measure mass ~ Compare mass ~ Full and empty ~ Compare volume ~ Measure capacity ~ Compare capacity		
2	Measure – Money ~ 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			Number – Multiplication & Division ~ Recognise equal groups ~ Make equal groups ~ Add equal groups ~ Introduce the multiplication symbol ~ Multiplication sentences ~ Use arrays ~ Make equal groups (grouping) ~ Make equal groups (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						Measure – Length & Height ~ Measure in centimetres ~ Measure in metres ~ Compare lengths and heights ~ Order lengths and heights ~ Four operations with lengths and heights			Measure – Mass, capacity & temperature ~ 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		

Summer

YG	1	2	3	4	5	6	7	8	9	10	11	12
1	Number ~ Multiplication & Division ~ Count in 2's ~ Count in 10's ~ Count in 5's ~ Recognise equal groups ~ Add equal groups ~ Make arrays ~ Make doubles ~ Make equal groups (grouping) ~ Make equal groups (sharing)			Number ~ Fractions ~ Recognise a half of an object or a shape ~ Find a half of an object or a shape ~ Recognise a half of a quantity ~ Find a half of a quantity ~ Recognise a quarter of an object or a shape ~ Find a quarter of an object or a shape ~ Recognise a quarter of a quantity ~ Find a quarter of a quantity		Geometry ~ Position & Direction ~ Describe turns ~ Describe position ~ left and right ~ Describe position ~ forwards and backwards ~ Describe position ~ above and below ~ Ordinal numbers	Number ~ Place Value (within 100) ~ 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		Measure ~ Money ~ Uniting coins ~ Recognise coins ~ Recognise notes ~ Count in coins	Measure ~ Time ~ Before and after ~ Days of the week ~ Months of the year ~ Hours, minutes, seconds ~ Tell the time to the hour ~ Tell the time to the half hour		Consolidation work
2	Number ~ Fractions ~ 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			Measure ~ Time ~ 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			Statistics ~ Make tally charts ~ Tables ~ Block diagrams ~ Draw pictograms (1:1) ~ Interpret pictograms (1:1) ~ Draw pictograms (2, 5 & 10) ~ Interpret pictograms (2, 5 & 10)		Geometry ~ Position & direction ~ Language of position ~ Describe movement ~ Describe turns ~ Describe movement and turns ~ Shape patterns with turns		Investigations ~ Practical STEM related investigations linked with problem solving and reasoning	