

St Joseph and St Bede Maths Recovery Progression Plan: 2020-2021

Reception

Autumn NB- Autumn Term is 15 weeks	Counting Recites numbers to 10	Counting Counts to 1 Counts to 2 Counts to 3 Counts to 4 Counts to 5 Counts objects Compares sets of objects Groups objects in different ways Subitising Add 1 to a given number Subtract 1 to a given number	Order Order numbers to 10	Shape Everyday language to talk about shape Creates patterns Uses shapes in everyday play	Measure Uses everyday language related to time. Orders and sequences familiar events.	Measure Orders two or three items by length Distance	Counting Counts to 6 Counts to 7 Counts to 8 Counts objects Compares sets of objects Groups objects in different ways Subitising Selects the correct numeral to represent 1 to 5 Add 1 to a given number Subtract 1 to a given number
	Across the term, use opportunities of other areas of maths to make connections. Introduce coins to pay for snacks, use 10 frames to register children, use book choices and questions to look at more and fewer. Opportunities for measure, vocabulary from other topics, problem solving and reasoning						

Spring	Counting Counts objects to 9 and 10 Counts objects Compares sets of objects Groups objects in different ways Subitising Add 1 to a given number Subtract 1 to a given number	Order Recite numbers beyond 10 Order numbers to 10 and beyond	Calculation Addition - Count 2 sets of objects Subtraction by taking away objects		Measure Weight	Counting Counting to 20	Shape 2d shapes 3d Shapes
Across the term, use opportunities of other areas of maths to make connections. Introduce coins to pay for snacks, use 10 frames to register children, use book choices and questions to look at more and fewer. Opportunities for measure, vocabulary from other topics, problem solving and reasoning							

Summer	Counting Up to 20	Calculation Addition count on from first leading to count on from largest number Subtraction by counting back	Shape 2d shapes 3d Shapes Pattern	Calculation Halving Doubling Sharing	Measurement Capacity	Measurement Money	Measurement Height
Across the term, use opportunities of other areas of maths to make connections. Introduce coins to pay for snacks, use 10 frames to register children, use book choices and questions to look at more and fewer. Opportunities for measure, vocabulary from other topics, problem solving and reasoning							

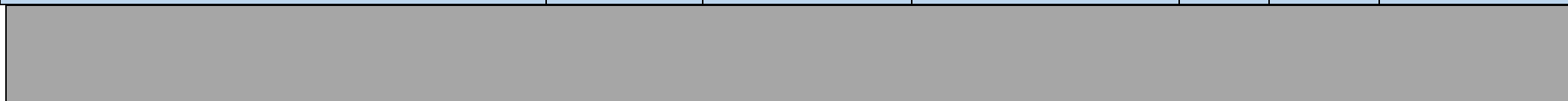
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Year 1

Autumn NB- Autumn Term is 15 weeks, therefore extend Number PV within 20 strand to end of term	Number: Place value (within 10) Counting within 5 Counting within 10 Count all Leading to ordering/+1/-1		Measure Capacity	Number: Addition and Subtraction (within 10) Bonds to 3, 4, 5, 6, 7, 8, 9, 10 Language of = to, more, less than, fewer, Counting on Counting back		Geometry Shape properties 2d and 3d	Multiplication and Division Doubles and halves Concept of	
	Include Measurement Knowledge of coins Reasoning and problem solving			Include Measurement Reasoning and problem solving			Include Measurement Reasoning and problem solving	
Spring	Number: Place Value Counting to 20	Place value Count in 2s, 5s, 10s	Multiplication and Division Halves and doubles	Addition and Subtraction T and O not crossing		Measure Time	Place Value To 50	
Include Measurement Knowledge of coins Reasoning and problem solving		Include Measurement Reasoning and problem solving		Include Measurement Reasoning and problem solving			Reasoning and problem solving	
Summer	Fractions Halves and Quarters include Half O clock Half a litre	Position and Direction	Meaurement Weight	Addition and Subtraction Crossing tens Addition and subtraction facts within 20 + step number problems	Multiplication and Division Solve 1 step problems Arrays	Place Value Partitioning 2-digit numbers into T and O	Measurement Length	
Include Measurement Reasoning and problem solving			Include Measurement Reasoning and problem solving		Reasoning and problem solving			

Year 2

Autumn NB- Autumn Term is 15 weeks, therefore extend Multiplication strand	Number: Addition and subtraction bonds	Number: Place Value PV of digits in TO Partitioning numbers into T and O including other combinations Compare and Order numbers up to 100		Measure Capacity	Addition and Subtraction Bonds with multiples of 10 to 100 2-digit not crossing the boundaries		Multiplication and Division Arrays Commutativity Problem Solving Division problems	Geometry Properties of shape 2d and 3d Describing and comparing	
Include Measurement Reasoning and problem solving				Include Measurement – including money Reasoning and problem solving			Include Measurement Reasoning and problem solving	Include Measurement Reasoning and problem solving	
Spring	Place Value Partitioning numbers in more than one way	Addition and Subtraction TO + multiple of 10 2-digit crossing the tens boundary	Measure Money	Multiplication and Division Recall of the facts 2s 3s 5s 10s Place value – counting in 2s 3s 5s from 0 Counting in tens from any number		Fractions Recognise and find $\frac{1}{3}$ $\frac{1}{4}$ $\frac{2}{4}$ $\frac{3}{4}$ of length, shape and quantity Equivalence of $\frac{1}{2}$ and $\frac{2}{4}$	Time Quarter past Quarter to	Addition and Subtraction Adding 3 1-digit numbers	
Include Measurement Reasoning and problem solving				Include Measurement Reasoning and problem solving		Include Measurement Reasoning and problem solving		Reasoning and problem solving	
Summer	Multiplication and Division Mathematical statements for 2, 5, 10 times tables Commutativity Problem solving	Measure Length	Position and Direction Patterns and sequences	Fractions Recognise and find $\frac{1}{3}$ $\frac{1}{4}$ $\frac{2}{4}$ $\frac{3}{4}$ of length, shape and quantity Equivalence of $\frac{1}{2}$ and $\frac{2}{4}$	Addition and Subtraction TO + TO to 100 TO – TO to 100	Statistics	Solve problems including Addition and Subtraction TO + TO TO – TO		Measurement Weight
Include Measurement Reasoning and problem solving			Include + and – Reasoning and problem solving	Link to time Reasoning and problem solving	Include Measurement Place value of counting in 2s 5s 10s Reasoning and problem solving		Reasoning and Problem solving	Reasoning and problem solving	



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Year 3								
Autumn NB- Autumn Term is 15 weeks, therefore extend Multiplication and Division strand to end of term	Number Addition and Subtraction bonds Bonds within 20 Multiples of 10 Bonds to 100	Number: Place Value Recognise pv in each digit in HTO Compare and order numbers up to 1,000 Identify represent and estimate umbers up to 1,000	Number: Addition and Subtraction (up to) 3 digit + ones (up to) 3 digit + tens (up to) 3 digit + hundreds (up to) 3 digit - ones (up to) 3 digit - tens (up to) 3 digit - hundreds TO+ TO crossing hundreds ** TO – TO crossing tens ** • Column method not required at this point in the year			Fractions Find $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{1}{3}$ of a given amount	Number: Multiplication and Division Count in 4s 8s 50s 3x 4x 8x facts	Statistics
Include measurement – money Reasoning and problem solving			Include measurement – length Reasoning and problem solving			Include measurement – across all contexts Reasoning and problem solving		
Spring	Fractions Find fractions of shapes, amounts Recognise and use fractions as numbers Compare and order fractions Not tenths	Geometry Property of 2d and 3d shape Turns Right angles horizontal, vertical, parallel and perpendicular lines	Time Analogue clocks Roman Numerals Read and write analogue To the nearest min 12 and 24 hr	Addition and Subtraction TO+ TO crossing hundreds TO – TO crossing tens	Measurement Length and perimeter	Multiplication and Division 3x 4x 8x facts Division with remainders		
Include measurement Reasoning and problem solving			Reasoning and problem solving		Include statistics, length money Reasoning and problem solving		Include measurement – perimeter Reasoning and problem solving	
Summer	Fractions Add and subtract fractions within 1 whole	Decimals $0.1 = \frac{1}{10}$	Addition and Subtraction Column method HTO + HTO Column method HTO - HTO	Measure Compare mass	Multiplication and Division TO X O TO ÷ O	Measurement Capacity	Statistics Interpret and present data using bar charts, pictograms, tables	
Include measurement Reasoning and problem solving			Reasoning and problem solving	Reasoning and problem solving	Reasoning and problem solving		Reasoning and problem solving	

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Year 4								
Autumn	Number Bonds 100s + 10s	Number: Place Value Count in 7s 9s 25s 1,000s Find 1,000 more / less Order and compare numbers beyond 1,000 Recognise pv of each digit in a 4-digit number Rounding to nearest 10, 100, 1,000	Measurement Mass and Capacity	Addition and Subtraction Mental addition and subtraction using 100s and 1000s add and subtract 3-digit using mental strategies Add and subtract up to three digits with a written method		Multiplication and Division Facts for 6s, 7s, 9s, 11s, 12s Leading to TO x O where ones is 2,3,4,5,8		Measurement Area
Include Measurement Reasoning and problem solving			Include Measurement Reasoning and problem solving			Include Measurement Reasoning and problem solving		
Spring	Add and subtract up to 4 digits with a written method	Fractions Equivalent fractions Fractions of quantities	Fractions Addition and subtraction of fractions with the same denominator across 1 whole	Decimals Decimal equivalents Rounding and comparing decimals Recognise tenths and hundredths	Decimals Multiplying and Dividing by 10 and 100 (explicit link to measure)	Addition and Subtraction Add and subtract numbers to one decimal place	Time Roman Numerals Read, write and convert 12 and 24 Convert hours to minutes, minutes to seconds, years to months, weeks to days	Multiplication and Division Factor pairs Written methods for TO X O HTO X O TO ÷ O inc remainders
Include Measurement Reasoning and problem solving			Include Measurement Reasoning and problem solving			Reasoning and problem solving		
Summer	Geometry / Measure Properties of 2d and 3d shape Perimeter	Measurement Length	Decimals Fraction and decimal equivalents Addition and subtraction of up to 4 digits with decimals	Geometry: Position and Direction Co-ordinates Positions and translations	Place Value Negative numbers Measurement Capacity		Statistics Bar charts Time graphs Time tables	
Include Measurement including money and length Reasoning and problem solving			Reasoning and problem solving	Reasoning and problem solving	Reasoning and problem solving	Include Measurement Reasoning and problem solving		

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Year 5								
Autumn NB- Autumn Term is 15 weeks, therefore extend Addition and Subtraction strand to end of term	Number bond practise Multiplication Table practise	Number: Place value All strands of NC	Decimals Partition and order numbers to 2dp Round to 1dp	Multiplication and Division Properties of number – sq, cubed, factors, prime	Multiplication and Division Measure Multiplying whole numbers and decimals by 10, 100, 1,000 Converting units of measure	Multiplication and Division X and ÷ mentally drawing on known facts	Measurement Area Volume (Measure)	
Include measurement – all contexts Reasoning and problem solving			Include measurement – all contexts Reasoning and problem solving Include use of decimals and statistics through problem solving		Include measurement all contexts Reasoning and problem solving		Include measurement all contexts Reasoning and problem solving	
Spring	Addition and Subtraction Mental vs written	Fractions Recognising mixed numbers and improper fractions	Fractions Order with denominators which are all multiples of the same number	Fractions Add and subtract where denominators and multiples of the same number	Multiplication and Division 4 digit x 1 digit 2 digit x 2 digit 3 digit x 2 digit 3 digit ÷ 1 digit 4 digit ÷ 1 digit		Measurement Time Reading timetables	Geometry Position and Direction
Include measurement – all contexts Reasoning and problem solving					Include measurement – all contexts Reasoning and problem solving		Include measurement – all contexts Reasoning and problem solving	
Summer	Geometry Properties of 2d shape Angles Perimeter	Fractions Multiplying proper fractions by whole numbers	Number: decimals Reading and expressing as decimals Order and compare to 3dp Equivalents	Addition and subtraction of mixed decimals Perimeter	Percentages	Multiplication and Division strategies	Statistics All objectives	Measure Involving all operations
Reasoning and problem solving		Include measurement – all contexts Reasoning and problem solving			Include measurement – all contexts Reasoning and problem solving		Include measurement – all contexts Reasoning and problem solving	

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Year 6							
Autumn NB- Autumn Term is 15 weeks, therefore extend 4 ops strands	Fact and fluency work Multiplication tables Calculation work	Number: Place Value Revise all NC objectives	Decimals and Percentages	Multiplication and Division Factors, multiples, prime numbers X powers of 1104-digit x 2 digit 4 digit ÷ 2 digits BIDMAS (if secure)	Measurement Area and Perimeter Volume	Measure Converting units of measure	Addition and Subtraction Word problems All methods Revise all NC objectives
Include measurement – all contexts Reasoning and problem solving		Include measurement – all contexts Reasoning and problem solving			Include measurement – all contexts Reasoning and problem solving		Reasoning and problem solving
Spring	Fractions Simplifying fractions Comparing fractions Add and subtract with different denominators Multiplying proper fractions Dividing proper fractions by a whole number		Decimals, percentages Equivalents Parts of whole shape, quantity compare and order		Ratio and Proportion Problem solving involving: Missing values (x and ÷) Calculation of percentages Shapes and scale factors Fractions and multiples	Statistics Pie charts Line graphs Mean, median, mode, range	Geometry: Position and Direction Position in all 4 quadrants Translation Reflection
Include measurement – all contexts Reasoning and problem solving			Include measurement – all contexts Reasoning and problem solving		Include measurement – all contexts Reasoning and problem solving	Include measurement – all contexts Reasoning and problem solving	Reasoning and problem solving
Summer	Geometry Properties of 2d and 3d shapes	Algebra Simple formulae Generate and describe linear sequences	Multi-step problems All contexts		SATs	Algebra Generate and describe linear sequences Express missing number problems algebraically Find pairs of numbers that satisfy an equation with 2 unknowns	Properties of Number Sequences – triangular numbers, Fibonacci Maths through art
Include measurement – all contexts Reasoning and problem solving		Include measurement – all contexts Reasoning and problem solving	Reasoning and problem solving Include measurement – all contexts			Reasoning and problem solving	Include measurement – all contexts Reasoning and problem solving