ST. JOHN BOSCO RC PRIMARY SCHOOL

Long Term Plan		Maths		Year Group:	5
Autumn Term		**Spring Term**		**Summer Term**	
1st Half	2nd Half	1st Half	2nd Half	1st Half	2nd Half
Number and Place Value **Number and Place Value (3 weeks)** ▪ To represent 1000s, 100s, 10s and 1s. ▪ To recognise numbers to 10,000 ▪ To round to the nearest 10 ▪ To round to the nearest 100 ▪ To round to the nearest 1,000 ▪ To recognise numbers to 100,000 ▪ To compare and order numbers to 100,000 ▪ To round numbers within 100,000 ▪ To recognise numbers to a million ▪ To count in 10s, 100s, 1000s, 10,000s and 100,000s ▪ To compare and order numbers to one million ▪ To recognise and use negative numbers ▪ To recognise Roman Numerals to 1,000	*Place value concepts will continue to be a focus in the remaining terms as part of memory jogger and daily maths meetings*	*Place value concepts will continue to be a focus in the remaining terms as part of memory jogger and daily maths meetings*	**Decimals and percentages (2 weeks)** • To represent decimals up to 2.d.p • To identify decimals as fractions • To understand thousandths • To represent thousandths as decimals • To round decimals • To order and compare decimals • To understand percentages • To calculate percentages as fractions and decimals • To find equivalent F.D.P	**Decimals (3 weeks)** • To add decimals within 1 • To subtract decimals within 1 • To find compliments to 1 • To add decimals-crossing the whole • To add decimals with the some number of decimal places • To subtract decimals with the same number of decimal places • To add decimals with a different number of decimal places • To subtract decimals with a different number of decimal places • To add and subtract wholes and decimals • To find decimal sequences • To multiply decimals by 10, 100 and 1000 • To divide decimals by 10, 100 and 1000	*Place value concepts will continue to be a focus in the remaining terms as part of memory jogger and daily maths meetings*
Addition and Subtraction	**Addition and Subtraction (2 weeks)** ▪ To add two 4-digit numbers- one exchange	**Multiplication and Division (3 weeks)** • To find multiples	**Multiplication and Division (3 weeks)** • To multiply 2-digits by 1-digit	**Number: Fractions (3 weeks)** • To add and subtract fractions		

| Multiplication and Division

Fractions | • To add two 4-digit numbers- more than one exchange
• To add whole numbers with more than 4-digits (column method)
• To subtract two 4-digit numbers- one exchange
• To subtract two 4-digit numbers- more than one exchange
• To subtract whole numbers with more than 4 digits (column method)
• To round to estimate and approximate
• To use inverse operations
• To solve multi-step addition and subtraction problems | • To find factors
• To find common factors
• To find prime numbers
• To find square numbers
• To find cube numbers
• To multiply by 10
• To multiply by 100
• To multiply by 1000
• To divide by 10
• To divide by 100
• To divide by 1000
• To identify multiples of 10, 100 and 1000 | • To multiply 3-digits by 1-digit
• To multiply 4-digits by 1-digit
• To multiply 2-digits (area model)
• To multiply 2-digits by 2-digits
• To multiply 3-digits by 2-digits
• To multiply 4-digits by 2-digits
• To divide 2-digits by 1 digit
• To divide 3-digits by 1-digit
• To divide 4-digits by 1-digit
• To divide with remainders

Fractions (2 weeks)
• To identify fractions
• To find equivalent fractions
• To find fractions greater than 1
• To convert improper fractions to mixed numbers
• To convert mixed numbers to improper fractions
• To use number sequences with fractions
• To compare and order fractions less than 1
• To compare and order fractions greater than 1 | • To add fractions within 1
• To add 3 or more fractions
• To add mixed numbers
• To subtract fractions
• To subtract mixed numbers
• To subtract- breaking the whole
• To subtract 2 mixed numbers
• To multiply unit fractions by an integer
• To multiply non-unit fractions by an integer
• To multiply mixed numbers by integers
• To calculate fractions of a quantity
• To find a fraction of an amount
• To use fractions as operators | | |

Geometry Measurement Statistics	Statistics (2 weeks) • To interpret charts • To use charts to solve comparison, sum and difference problems • To use line graphs • To read and interpret line graphs • To draw line graphs • To use line graphs to solve problems • To read and interpret tables • To use two-way tables • To read timetables	Measurement: Perimeter and Area (2 weeks) • To measure perimeter • To find perimeter on a grid • To find perimeter of rectangles • To find the perimeter of rectilinear shapes • To calculate perimeter • To find area by counting squares • To find the area of rectangles • To find the area of compound shapes • To find the area of irregular shapes			Geometry: Properties of shape (3 weeks) ▪ To identify angles ▪ To compare and order angles ▪ To measure angles in degrees ▪ To measure with a protractor ▪ To draw lines and angles accurately ▪ To calculate angles on a straight line ▪ To calculate angles around a point ▪ To identify types of triangle ▪ To identify quadrilaterals ▪ To calculate lengths and angles in shapes ▪ To identify regular and irregular polygons ▪ To reason about 3-D shapes	Geometry: Position and Direction (2 weeks) • To describe position • To draw position on a grid • To find position in the first quadrant • To translate shapes • To translate with coordinates • To identify lines of symmetry • To complete a symmetric figure • To reflect shapes • To reflect with coordinates **Measurement: Converting Units (2 weeks)** • To use and calculate with kilometres • To use and calculate with kilograms and kilometres • To use and calculate with millimetres and millilitres • To identify, use and convert between metric units • To identify, use and convert between imperial units • To convert units of time • To read and use timetables **Measurement: Volume (1 week)** • To recognise and describe volume • To compare volume • To estimate volume

						To estimate capacity