



ST. JOHN BOSCO RC PRIMARY SCHOOL

Long Term Plan		Maths				Year Group:	6	
	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 (2 weeks) <ul style="list-style-type: none"> ▪ To represent numbers to 10,000 ▪ To represent numbers to 100,000 ▪ To represent numbers to a million ▪ To represent numbers to ten million ▪ To compare and order any number ▪ To round numbers to 10, 100 and 1000 ▪ To round any number ▪ To identify, represent and calculate with negative numbers 	<i>Place value concepts will continue to be a focus in the remaining terms as part of memory jogger and daily maths meetings</i>	Decimals (2 weeks) <ul style="list-style-type: none"> • To represent decimals up to 2 decimal places • To understand and represent thousandths • To use three decimal places • To multiply by 10, 100 and 1000 • To divide by 10, 100 and 100 • To multiply by 10, 100 and 1000 • To divide by 10, 100 and 1000 • To multiply decimals by integers • To divide decimals by integers • To use division to solve problems • To represent decimals as fractions • To convert fractions to decimals 	Decimals and percentages (2 weeks) <ul style="list-style-type: none"> • 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) <ul style="list-style-type: none"> • 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 same 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 	<i>Consolidation, investigations and preparations for KS3</i>		
Addition and Subtraction	Addition and Subtraction (2 weeks) <ul style="list-style-type: none"> ▪ To add whole numbers with more than 4 digits 	Fractions (5 weeks) <ul style="list-style-type: none"> • To find equivalent fractions • To simplify fractions 	Percentages (2 weeks) <ul style="list-style-type: none"> • To understand percentages • To convert 	Ratio (2 weeks) <ul style="list-style-type: none"> • To use the language of ratio • To represent ratio and 	<i>Consolidation, investigations and preparations for KS3</i>		<i>Consolidation, investigations and preparations for KS3</i>	

<p>Multiplication and Division</p> <p>Fractions</p> <p>Percentages</p> <p>Algebra</p>	<ul style="list-style-type: none"> ▪ To subtract whole numbers with more than 4 digits ▪ To use inverse operations (addition and subtraction) ▪ To solve multi-step addition and subtraction problems ▪ To add and subtract integers <p>Multiplication and Division (3 weeks)</p> <ul style="list-style-type: none"> • 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 up to a 4-digit number by a 2-digit number • To divide 4-digits by 1-digit • To divide with remainders • To use short division • To divide using factors • To use long division • To find factors • To find common factors • To find common multiples • To find primes to 100 • To find squares and cubes • To use order of operations • To use mental calculations and operations 	<ul style="list-style-type: none"> • To convert improper fraction to mixed numbers • To convert mixed numbers to improper fractions • To place fractions on a number line • To compare and order fractions using the denominator • To compare and order fractions using the numerator • To add and subtract fractions • To add mixed numbers]to add fractions • To subtract mixed numbers • To subtract fractions • To calculate mixed addition and subtraction • To multiply fractions by integers • To multiply fractions by fractions • To divide fractions by integers • To use the four rules with fractions • To find a fraction of an amount • To find a fraction of an amount- find the whole 	<p>fractions to percentages</p> <ul style="list-style-type: none"> • To find equivalent FDP • To order FDP • To find a percentage of an amount • To calculate with percentages- missing values <p>Algebra (2 weeks)</p> <ul style="list-style-type: none"> • To find a rule- one step • To find a rule- two step • To form expressions • To use substitution • To use formulae • To form equations • To solve simple one-step equations • To solve two-step equations • To find pairs of values • To enumerate possibilities 	<p>fractions</p> <ul style="list-style-type: none"> • To use the ratio symbol • To calculate using ratio • To use scale factors • To calculate scale factors • To solve ratio and proportion problems <p>Statistics (1 week)</p> <ul style="list-style-type: none"> • To read and interpret line graphs • To draw line graphs • To use line graphs to solve problems • To construct pie charts • To read and interpret pie charts • To construct pie charts with percentages • To draw pie charts • To calculate the mean 		
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	<ul style="list-style-type: none"> To reason from known facts 					
Geometry Measurement Statistics		Geometry: Position and Direction (1 week) <ul style="list-style-type: none"> To find position in the first quadrant To find position in the four quadrants To translate shapes and objects To reflect shapes and objects 			Geometry: Properties of Shape (3 weeks) <ul style="list-style-type: none"> To measure with a protractor To draw lines and angles accurately To calculate angles on a straight line To find angles around a point To calculate angles To find vertically opposite angles To find angles in a triangle To find angles in a triangle- special cases To find angles in a triangle- missing angles To find angles in special quadrilaterals To find angles in regular polygons To draw shapes accurately To draw nets of 3-D shapes 	<i>Consolidation, investigations and preparations for KS3</i>