

Academic Planner 2017-18

Sub: Mathematics - Class IV

Date	Topic	Assignments/ Homework	Activity/Teaching Technique
<p>April 1-15th April (8 days)</p>	<p>Unit-1 LARGE NUMBERS 5- and 6 -Digit Numbers Face value and place value Expanded and short forms Comparing numbers Forming numbers Rounding off numbers Roman numerals Mental Maths Maths around us</p> <p>Unit-2 ADDITION Addition of 5- and 6- digit numbers without regrouping Addition of 5- and 6- digit numbers with regrouping</p>	<p>Ex 1.1 -1.5</p> <p>Pg – 23 Pg - 24</p> <p>Ex 2.1</p>	<p><i>Lab activity</i> – Understanding numbers using tambola game. <i>Computer game</i> - The seal deal <i>Smartboard:</i> Concept building Unit 1 – iDaa</p> <p><i>Lab activity</i> – Forming word problems using flash cards.</p>
<p>16-30th April (12 days)</p>	<p>Properties of addition of numbers Finding the missing digits Word problems Estimating the sum Mental maths Maths around us</p> <p>Unit - 3 SUBTRACTION Subtraction of 5- and 6- digit numbers without regrouping Subtraction of 5- and 6- digit numbers with regrouping Properties of Subtraction Checking subtraction by addition Addition & Subtraction together</p>	<p>Ex 2.2 -2.5</p> <p>Pg – 35 Pg – 37</p> <p>Ex 3.1 – 3.4</p>	<p><i>Computer game</i> - Dart game <i>Smartboard:</i> Recap exercises Game of dice Unit 2 – iDaa</p> <p><i>Lab activity</i>–To reinforce the concept of subtraction of large numbers</p>
<p>May 1-15th May (9 days)</p>	<p>Finding the missing digits Word problems Estimating the difference Maths around us</p>	<p>Ex 3.5 – 3.7</p> <p>Pg – 50</p>	

	<p>Unit -4 MULTIPLICATION Properties of multiplication Multiplication by multiples of 10,100,1000 Multiplication of 4- digit number by 1- digit number</p> <p>Multiplication of 4- digit numbers by 2- digit numbers Multiplication of 3- and 4- digit numbers by 3- digit numbers Word problems Estimating the products Mental Maths</p>	<p>Ex 4.1 – 4.4</p> <p>Pg - 62</p>	<p><i>Lab activity</i> – Multiplication by using Russian multiplication method.</p> <p><i>Smartboard:</i> New ways of multiplication - iDaa</p> <p><i>Computer game</i> –Granny crunch</p>
<p>May 16th-31st May June 1st-30th June</p>	<p>Summer Vacations</p>		
<p>July 1-15th July (12 days)</p>	<p>Unit – 6 FACTORS AND MULTIPLES Properties of factors Common factors Multiples Properties of multiples Common multiples Divisibility test Prime and composite numbers Prime factorization Mental Maths Maths around us</p>	<p>Ex 6.1 – 6.5</p> <p>Pg – 89 Pg - 91</p>	<p><i>Computer game</i> – Mothership Snowboarder – 2</p>
<p>16-31st July (13 days)</p>	<p>Unit – 8 GEOMETRY Point, Line, Ray, Line segment, Plane Open and closed figures Circle , parts of a circle</p> <p>Revision of UT 1</p>	<p>Ex 8.1 – 8.2</p>	<p><i>Smartboard:</i> Parts of a circle - iDaa</p> <p>UT1 ACTIVITIES : 1. Concept (U 1-3) 2. Mathematical Interpretation (U 1-3) 3. Mental Maths (U 1-3) 4. Problem Solving and Procedural Skill (U 1-3)</p>

<p>August 1-15th August (10 days)</p>	<p>Measuring a line segment Drawing a line segment Perimeter Solids Nets of cube and cuboid Mental Maths Maths around us</p> <p>Unit – 11 TIME Telling time to the exact minute Time in a.m. and p.m. Time duration of an activity The 24- hour clock time Seconds Conversion of one unit to another</p>	<p>Ex 8.3 – 8.5</p> <p>Pg - 123 Pg– 124</p> <p>Ex 11.1 - 11.5</p>	<p><i>Lab activity</i> – Understanding shapes and also the shapes made out of different shapes.</p> <p><i>Smartboard:</i> Understanding concept of time through visualization – iDaa</p> <p><i>Computer game</i> – Talking time</p>
<p>16-31st August (14 days)</p>	<p>Addition and subtraction of time Calendar Maths around us</p> <p>Revision of Half Yearly Exam</p>	<p>Ex 11.6 - 11.7</p> <p>Pg - 168</p>	<p><i>Lab activity</i> – To understand time to the seconds and finding duration.</p> <p>Assessment 1. Concept (U 4,6,8 and 11) 2. Mathematical Interpretation (U 4,6,8 and 11) 3. Mental Maths (U 4,6,8 and 11) 4. Problem Solving and Procedural Skill (U 4,6,8 and 11)</p>
<p>September 1-15th September (11 days)</p>	<p>Revision of Half Yearly Exam Half Yearly Examination</p>		
<p>16-30th September (10 days)</p>	<p>Unit – 5 DIVISION Division of 4- digit number by a 1 – digit number Division of 2- digit number by a 2 – digit number Division of 3- digit number by a 2 – digit number Division of 4- digit number by a 2 – digit number Division by 10, 100 and 1000</p>	<p>Ex 5.1 – 5.3</p>	<p><i>Computer game</i> – Ali quotient Climb to the top</p> <p><i>Smartboard:</i> Concept building Unit 5 - iDaa</p>

<p>October 1-15th October (9 days)</p>	<p>Word problems Estimating the quotient Multiple operations Mental Maths Maths around us</p> <p>Unit 9 MEASUREMENT Measures of length Conversion of units of length</p>	<p>Ex 5.4 – 5.5 Pg – 75 Pg -76</p> <p>Ex 9.1</p>	<p><i>Lab activity</i> –Understanding why remainder is less than the divisor using bindis.</p> <p><i>Computer game</i> – Gotcha measure</p>
<p>16-31st October (11 days)</p>	<p>Addition and subtraction of metric units of length Measures of mass (or weight) Conversion of units of weight Addition and subtraction of metric units of mass Measurement of capacity Conversion of units of capacity</p>	<p>Ex 9.2 – 9.5</p>	<p><i>Lab activity</i> – Measuring distance using paper plane activity.</p>
<p>November 1-15th November (11 days)</p>	<p>Addition and subtraction of metric units of capacity</p> <p>Unit – 7 FRACTIONS Fractions on a number line Equivalent fractions</p>	<p>Ex 9.6</p> <p>Ex 7.1 – 7.2</p>	<p><i>Computer game</i> –Fraction alley 1</p>
<p>16-30th November (13 days)</p>	<p>Revision of UT 2</p>		<p>UT.2 ACTIVITIES :</p> <ol style="list-style-type: none"> 1. Concept (U 5,9) 2. Mathematical Interpretation (U 5,9) 3. Mental Maths (U 5,9) 4. Problem Solving and Procedural Skill (U 5,9)
<p>December 1-15th December (11 days)</p>	<p>Types of fractions Comparison of fractions Addition and subtraction of like fractions Maths around us</p>	<p>Ex 7.3– 7.5</p> <p>Pg - 108</p>	<p><i>Smartboard:</i> Types of fractions - iDaa</p> <p><i>Lab activity</i> – To reinforce the concept of equivalent fractions.</p>

16-31st December (14 days)	Unit 10 MONEY Fundamental operations of money Bill of purchase Maths around us	Ex 10.1-10.2 Pg - 152	
January 1-15th January	Winter Vacations		
16-31st January (12 days)	Unit 12 SYMMETRY AND PATTERNS Symmetry Number patterns Using patterns to make codes Maths around us To do Unit – 13 DATA HANDLING Data Pictograph Bar graph Maths around us	Ex 12.1 – 12.3 Pg - 179 Ex 13.1 – 13.2 Pg - 189	<i>Lab activity</i> – Understanding number patterns. <i>Smartboard:</i> Recapitulation Unit 12 -iDaa <i>Lab activity</i> – Representing data using bargraph
February 1-15th February (11 days)	Revision of Final Examination		Assessment 1. Concept (U 7,10,12 and 13) 2. Mathematical Interpretation (U 7,10,12 and 13) 3. Mental Maths (U 7,10,12 and 13) 4. Problem Solving and Procedural Skill (U 7,10,12 and 13)
16-28th February (11 days)	Final Examination		

Maths Syllabus of Examination (2017-2018)

UT 1	Half Yearly Exam	UT 2	Final Examination
Unit 1 Large numbers	Unit 4 Multiplication	Unit 5 Division	Unit 7 Fractions
Unit 2 Addition	Unit 6 Factors and multiples	Unit 9 Measurement	Unit 10 Money
Unit 3 Subtraction	Unit 8 Geometry		Unit 12 Symmetry & Patterns
	Unit 11 Time		Unit 13 Data Handling

