

Subject : Mathematics  
 Grade : IV  
 Year : 2018-19



**Year Planner**

**Text book used: Math Spark Britannica**

Month & No. of Working Days	Units	Sub- Units	Objectives	Activities Planned	Assessment / Recap
MARCH/ APRIL (16)	<b>Chapter-1: Large Numbers</b>	<ul style="list-style-type: none"> <li>*5 digit numbers</li> <li>*Comparing numbers</li> <li>* Face Value &amp; Place Value</li> <li>*Expanded and short forms</li> <li>*Rounding and Forming numbers</li> <li>*Roman numerals</li> <li>*Estimation</li> </ul>	*To learn different skills related to Large numbers.	* Compare 4-and 5-digit numbers.	Worksheet-1
JUNE (18)	<b>Chapter-2: Addition</b>  <b>Chapter-3: Subtraction (Till Ex:3B)</b>	<ul style="list-style-type: none"> <li>*Addition with and without regrouping</li> <li>*Subtraction of 4 digit numbers</li> <li>*Estimating the sum.</li> <li>*Word problems</li> <li>*Properties of subtraction</li> <li>* Checking addition &amp; Subtraction</li> </ul>	*To develop the understanding of the basic fundamental operations.	*Math Lab Activity: Adding by expanding and regrouping	Slip Test - 1  Worksheet- 2

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JULY(22)	<b>Chapter-3: Subtraction (Ex :3C to 3G)</b>  <b>Chapter-4: Multiplication</b>  <b>Chapter-8: Shapes and Space</b>	*Estimating the difference  *Word Problems  *Properties of Multiplication  *Exploring multiplication  *Multiplication by 3,4-digit numbers by 1,2 digit numbers  *Problem solving  *Lines and shapes  *Types of polygons	*To apply the properties of multiplication.  *To estimate the product of multiplication.  * Understanding Shapes and Polygons	*Math Lab Activity: Subtract two numbers mentally using various strategies.	Slip test-2  Worksheet -3  Revision W.S - 1  <b>Periodic Test- 1</b> 1.Large numbers 2. Addition 3.Subtraction (Till Ex:3B)
AUGUST(19)	<b>Chapter-12: Symmetry and patterns</b>  <b>Chapter-13 : Data Handling</b>	*Reflection Symmetry  *Numbers patterns  *Code language  *Pictographs  *Bar graphs	*To identify the line of symmetry in objects.  *To interpret the information given in pictographs and bar graphs.  *To identify different methods of handling data	* Math Lab Activity: Collect data about the time spent on TV each day of the week and represent it in the form of a bar graph.	Slip test - 3  Worksheet – 4

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SEPTEMBER (8)	<b>Revision</b>				Worksheet – 5 Revision W.S -2 <b>Half-yearly Exam</b> 1.Large numbers 2.Addition 3.Subtraction 4.Multiplication 8.Shapes and Space 12.Symmetry and patterns 13.Data Handling
OCTOBER(13)	<b>Chapter-5 : Division (Till Ex : 5 F)</b>	* Properties of division *Dividing a 4-digit number by a 2 digit divisor *Division by 10,100,1000 *Mixed Problem solving	*To develop the concept of division and its uses in our daily life	* Math Lab Activity : Practice division while playing a game.	Worksheet -6  Slip Test- 4

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NOVEMBER (17)	<b>Chapter-5: Division (Ex:5G and 5H)</b>  <b>Chapter-6: Factors and Multiples</b>  <b>Chapter-7: Fractions (Till Ex:7C)</b>	*Estimating the quotient  *Finding factors of a number  *Divisibility tests  *Multiples  *Common Multiples and Factors  *Types of fractions  *Equivalent fractions	*To develop the concept of factors and divisibility rules.  *To identify different types of fractions and arithmetic operations on fractions.	*Multiples of 4 and 6-Write 1-100 on the squared paper.  Count in 4's –fill red color  Count in 3's –fill blue color	Worksheet -7  Slip Test-5
DECEMBER (19)	<b>Chapter-7 : Fractions (Till Ex :7D and Ex : 7E)</b>  <b>Chapter-10: Money</b>  <b>Chapter-9 Measurement (Till EX :9C)</b>	* Comparison of fractions  *Addition and subtraction of fractions  *Types of fractions  *Like fractions  *Fundamental operations on money  *Bill of purchase  * The metric measures	*To understand that a fraction is a part of a whole or a part of a collection.  *To learn make and check bills of purchase.  * To understand the importance of standard units of measurement.	* Math Lab Activity: Find the total cost of textbooks and exercise books in your bag.	Worksheet -8  Slip Test-6

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JANUARY(17)	<p><b>Chapter-9: Measurement (Ex :9D to Ex : 9F)</b></p> <p><b>Chapter-11: Time</b></p>	<p>*Conversion of length, mass and capacity.</p> <p>*Mixed Problem solving</p> <p>* Time to exact minutes</p> <p>*Use of a.m. and p.m.</p> <p>*24 hours' clock</p> <p>*Duration of time</p> <p>*Addition and Subtraction of time</p>	<p>*To be able to convert bigger units to smaller units and vice versa.</p> <p>* To understand 24 hours clock and time conversations.</p>	<p>* Measuring pencil, book etc., using scale.</p> <p>*Find the number of weeks in a year.</p>	<p>Worksheet -9</p> <p>Revision W.S -3</p> <p><b>Periodic Test-3</b></p> <p>5.Division</p> <p>7.Fractions</p>
FEBRUARY (16)	<b>Chapter-14:Perimeter and Area</b>	<p>*Perimeter of different figures</p> <p>*Area using square boxes</p>	*To learn to calculate the perimeter and area of different figures	*Finding the area of palm of the students drawn on a square ruled paper.	<p>Worksheet -10</p> <p>Revision W.S -4</p> <p><b>Annual Exam</b></p> <p>5.Division</p> <p>6.Factors &amp; Multiples</p> <p>7.Fraction</p> <p>9.Measurements</p> <p>10.Money</p> <p>11.Time</p> <p>13.Data Handling</p> <p>14.Perimeter and Area.</p>