

**INFANT JESUS CONVENT SCHOOL**  
**CLASS- 1**  
**ANNUAL PLANNER (2022-23)**  
**MATHEMATICS**

MONTH / NO. OF DAYS	TOPIC: SUB TOPIC	OBJECTIVES	AIDS/ ACTIVITIES	MULTIPLE INTELLIGENCE SKILLS	LEARNING OUTCOME
APRIL No. of working days - 16	-NUMBERS (Revision) -TWO DIGIT NUMBERS (Place of a digit, Expanded form of a number, Standard form, Comparison of two digit numbers, Formation of greatest and smallest two digit numbers ) -NUMBER NAMES 1 TO 70 -BACKWARD COUNTING 100 TO 0 -MULTIPLICATION TABLES 0 AND 1 -FORWARD COUNTING 101-300	Students will be able to : <ul style="list-style-type: none"> <li>Recall and identify numbers up to 300.</li> <li>Compare and form greatest and smallest two digit numbers.</li> <li>Read and write number names and numerals.</li> <li>Write the place and the place value of given digit in a number.</li> <li>Arrange numbers in ascending and descending order.</li> <li>Express a number in the expanded and standard form.</li> <li>Learn by oral drills.</li> <li>Develop number vocabulary, number concept , calculation and</li> </ul>	<b>KNOWLEDGE:</b> <ul style="list-style-type: none"> <li>List the number names up to 70.</li> <li>Compare numbers up to 2 digit.</li> <li>Expand the two digit numbers.</li> <li>Brainstorming about the greatest and smallest number up to 2 digit.</li> </ul> <b>SKILLS:</b> <ul style="list-style-type: none"> <li>Calculation skill</li> <li>Problem solving skill</li> <li>Critical thinking</li> <li>Writing skill</li> </ul> <b>APPLICATION:</b> <ul style="list-style-type: none"> <li>Explanation of the concept.</li> <li>Video based explanation.</li> <li>Applying the concept of expanded and standard form.</li> <li>Analyzing 2-digit numbers and ordering them.</li> <li>Enhancement of the number knowledge.</li> </ul> <b>UNDERSTANDING:</b>	Logical intelligence  Intra personal intelligence  Spatial intelligence	Students will be able to : <ul style="list-style-type: none"> <li>Analyze the concept of place value.</li> <li>Compare the 2- digit numbers.</li> <li>Arrange numbers in ascending and descending order.</li> </ul>

		<ul style="list-style-type: none"> <li>application skills.</li> <li>Develop the correct use of the language of Mathematics.</li> </ul>	<ul style="list-style-type: none"> <li>Identifying greatest and smallest number.</li> <li>Memorize number name up to 70.</li> <li>Use number concepts in real life.</li> </ul>		
<p><b>MAY</b> No. of working days - 16</p>	<p>-NUMBER NAMES 71 TO 100 -ADDITION AND SUBTRACTION OF SINGLE DIGIT NUMBERS -MULTIPLICATION TABLES OF 2 AND 3 -FORWARD COUNTING 301-500</p>	<ul style="list-style-type: none"> <li>Read and write numbers up to 500.</li> <li>Write number names and numerals.</li> <li>Learning of multiplication tables by skip counting.</li> <li>Add 1-digit numbers without carrying.</li> <li>Subtract 1- digit numbers without borrowing.</li> </ul>	<p><b>KNOWLEDGE:</b></p> <ul style="list-style-type: none"> <li>Identify number family up to 500.</li> <li>List number names up to 100.</li> <li>Memorize multiplication tables till 3.</li> <li>Use addition and subtraction facts in calculation.</li> </ul> <p><b>SKILLS:</b></p> <ul style="list-style-type: none"> <li>Computation skill</li> <li>Critical thinking skill</li> <li>Number facility skill</li> </ul> <p><b>APPLICATION:</b></p> <ul style="list-style-type: none"> <li>Demonstration of the addition and subtraction.</li> <li>Practise number operations by forward and backward counting.</li> <li>Illustrate real life examples.</li> </ul> <p><b>UNDERSTANDING:</b></p> <ul style="list-style-type: none"> <li>Recognize number operations.</li> <li>Memorize number name up to 100.</li> <li>Apply concepts in real life situations.</li> </ul>	<p>Numbers intelligence</p> <p>Intra personal intelligence</p> <p>Spatial intelligence</p>	<p>Students will be able to :</p> <ul style="list-style-type: none"> <li>Analyze the method of addition and subtraction.</li> <li>Solve problems based on addition and subtraction.</li> <li>Choose the correct number operation.</li> </ul>

**CONDUCTION OF E-1 ASSESSMENT ACTIVITIES**

<p align="center"><b>JULY</b> <b>No. of working days - 24</b></p>	<p>SHAPES (PLANE SHAPES)</p> <p>ORDINAL NUMBERS (1-10)</p> <p>NUMBER NAMES (101 – 200)</p> <p>FORWARD COUNTING (501 – 800)</p> <p>MULTIPLICATION TABLES OF 4 and 5</p> <p>ADDITION (Addition of 2 digit numbers with and without carrying, Addition of 3, 2-digit numbers with and without carrying, Addition properties, Word problems of addition)</p> <p>SUBTRACTION (Subtraction of 2 digit numbers without borrowing, Subtraction properties)</p>	<ul style="list-style-type: none"> <li>• Identify and draw different types of lines.</li> <li>• Recognize the different plane shapes and their features.</li> <li>• Add two and three 2-digit numbers with and without carrying.</li> <li>• Subtract 2 -digit numbers with and without borrowing.</li> <li>• Solving questions based on addition and subtraction together.</li> <li>• Understand the meaning and usage of ordinal numbers.</li> <li>• Solve word problems based on addition and subtraction using a range of strategies.</li> </ul>	<p><b>KNOWLEDGE:</b></p> <ul style="list-style-type: none"> <li>• Recall the 2-D shapes.</li> <li>• Understand the ordinal numbers and their usage.</li> <li>• Identify number family up to 1000.</li> <li>• List number names up to 200.</li> <li>• Memorize multiplication tables till 5.</li> <li>• Use addition and subtraction properties in calculation.</li> </ul> <p><b>SKILLS:</b></p> <ul style="list-style-type: none"> <li>• Writing skill</li> <li>• Critical thinking skill</li> <li>• Number facility skill</li> <li>• Logical thinking</li> </ul> <p><b>APPLICATION:</b></p> <ul style="list-style-type: none"> <li>• Explanation of 2-D shapes using real examples.</li> <li>• Demonstration of the addition and subtraction method.</li> <li>• Illustration of ordinal numbers through fun activity.</li> </ul> <p><b>UNDERSTANDING:</b></p> <ul style="list-style-type: none"> <li>• Perform number operations.</li> <li>• Explain plane shapes and their features.</li> <li>• Decide the ordinal numbers as per the</li> </ul>	<p>Numbers intelligence</p> <p>Intra personal intelligence</p> <p>Spatial intelligence</p>	<p>Students will be able to :</p> <ul style="list-style-type: none"> <li>• Identify different shapes and list their features.</li> <li>• Analyze and solve word problems based on addition and subtraction.</li> <li>• Tell and write correct ordinal numbers.</li> </ul>
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		<ul style="list-style-type: none"> <li>• Read and write numbers up to 800.</li> <li>• Learning of multiplication tables by skip counting.</li> </ul>	<ul style="list-style-type: none"> <li>• Memorize number name up to 200.</li> <li>• Apply concepts in real life situations.</li> </ul>		
<b>AUGUST</b> No. of working days - 20	<p>SHAPES (SOLID SHAPES)</p> <p>EVEN AND ODD NUMBERS</p> <p>Numbers up to 1000 (Place value of 3-digit numbers, Expanded form of 3-digit numbers, Comparison, Ascending and Descending order of 3-digit numbers)</p> <p>NUMBER NAMES (201 – 400)</p> <p>FORWARD COUNTING (801 – 1000)</p> <p>MULTIPLICATION TABLES OF 0 to 5</p> <p>SUBTRACTION (Subtraction of 2</p>	<ul style="list-style-type: none"> <li>• Identify the various solid shapes.</li> <li>• Understand the terms like faces, vertices and edges.</li> <li>• Identify and sort even and odd numbers from 1 to 100.</li> <li>• Conceptual understanding of hundreds, tens and ones.</li> <li>• Read and write numbers up to 1000.</li> <li>• Write number names and numerals.</li> <li>• Learning of multiplication tables by skip counting.</li> <li>• Subtract 2-digit numbers with</li> </ul>	<p>positions.</p> <ul style="list-style-type: none"> <li>• Memorize number name up to 200.</li> <li>• Apply concepts in real life situations.</li> </ul> <p><b>KNOWLEDGE:</b></p> <ul style="list-style-type: none"> <li>• Recall the 3-D shapes.</li> <li>• Identify even and odd numbers.</li> <li>• List number names up to 400.</li> <li>• Understand the place values of 3-digit numbers.</li> <li>• Understand the borrowing concept of subtraction.</li> </ul> <p><b>SKILLS:</b></p> <ul style="list-style-type: none"> <li>• Reasoning skill</li> <li>• Critical thinking skill</li> <li>• Problem solving skill</li> <li>• Logical thinking</li> </ul> <p><b>APPLICATION:</b></p> <ul style="list-style-type: none"> <li>• Explanation of 3-D shapes using real examples.</li> <li>• Illustrate even and odd numbers.</li> <li>• Solve subtraction problems using borrowing.</li> </ul> <p><b>UNDERSTANDING:</b></p> <ul style="list-style-type: none"> <li>• List even and odd numbers up to 100.</li> <li>• Perform number operations.</li> <li>• Explain solid shapes and</li> </ul>	<p>Numbers intelligence</p> <p>Intra personal intelligence</p> <p>Spatial intelligence</p>	<p>Students will be able to :</p> <ul style="list-style-type: none"> <li>• Analyze the concept of place value.</li> <li>• Compare the 2- digit numbers.</li> <li>• Arrange the numbers in ascending and descending order.</li> </ul>

	digit numbers with borrowing, Word problems of subtraction)	borrowing.	<p>their features.</p> <ul style="list-style-type: none"> <li>• Memorize number name up to 400.</li> <li>• Apply subtraction in practical situations.</li> </ul>		
<b>SEPTEMBER</b> <b>No. of working days – 09</b>	TIME (Parts of the day, Days of the week, Months in a year, telling time, show the time on the clock)	<ul style="list-style-type: none"> <li>• List and write days of the week and months of the year in the correct sequence.</li> <li>• Understand the different parts of a day and terms associated with the time.</li> <li>• Read the time and draw the hands of the clock accordingly.</li> </ul>	<p><b>KNOWLEDGE:</b></p> <ul style="list-style-type: none"> <li>• Identify terms related to the concept of time.</li> <li>• Recall different parts of the day.</li> </ul> <p><b>SKILLS:</b></p> <ul style="list-style-type: none"> <li>• Reasoning skill</li> <li>• Critical thinking skill</li> <li>• Problem solving skill</li> <li>• Logical thinking</li> </ul> <p><b>APPLICATION:</b></p> <ul style="list-style-type: none"> <li>• Explain the terms hours and minutes.</li> <li>• Demonstrate the process of reading time.</li> <li>• Practise reading time with examples.</li> </ul> <p><b>UNDERSTANDING:</b></p> <ul style="list-style-type: none"> <li>• Determine the time shown on a clock correctly.</li> </ul>	<p>Numbers intelligence</p> <p>Intra personal intelligence</p> <p>Spatial intelligence</p>	<p>Students will be able to :</p> <ul style="list-style-type: none"> <li>• Analyze the different parts of the day.</li> <li>• Draw hands of the clock to show the time and vice versa.</li> </ul>
<b>CONDUCTION OF E-2 ASSESSMENT ACTIVITIES</b>					
<b>OCTOBER</b> <b>No. of working days -</b>	ADDITION (Addition of 3 digit numbers with and without carrying, Addition of 3, 3-digit numbers with and without carrying, Word	<ul style="list-style-type: none"> <li>• Add 3- digit numbers with carrying in hundreds and tens place.</li> <li>• Subtract 3 - digit</li> </ul>	<p><b>KNOWLEDGE:</b></p> <ul style="list-style-type: none"> <li>• Perform addition and subtraction of two digit numbers.</li> <li>• Identify patterns in real life objects.</li> </ul> <p><b>SKILLS:</b></p>	<p>Numbers intelligence</p> <p>Intra personal intelligence</p> <p>Spatial</p>	<p>Students will be able to :</p> <ul style="list-style-type: none"> <li>• Analyze the method of addition and subtraction of 3 digit numbers.</li> <li>• Solve problems</li> </ul>

<p>problems of addition)</p> <p>SUBTRACTION (Subtraction of 3 digit numbers with and without borrowing, Word problems of subtraction)</p> <p>PATTERNS</p> <p>NUMBER NAMES (401 – 550)</p> <p>FORWARD COUNTING (1001 – 1200)</p> <p>MULTIPLICATION TABLES OF 6 to 8</p>	<p>numbers with borrowing from hundreds and tens place.</p> <ul style="list-style-type: none"> <li>• Solving questions based on addition and subtraction together.</li> <li>• Checking subtraction by addition.</li> <li>• Solve word problems based on addition and subtraction using a range of strategies.</li> <li>• Identify patterns in shapes, alphabets, pictures and numbers.</li> <li>• Extend given patterns.</li> <li>• Read and write numbers up to 1200.</li> <li>• Write number names and numerals from 401 to 550.</li> <li>• Learning of multiplication tables</li> </ul>	<ul style="list-style-type: none"> <li>• Reasoning skill</li> <li>• Critical thinking skill</li> <li>• Problem solving skill</li> <li>• Logical thinking</li> </ul> <p><b>APPLICATION:</b></p> <ul style="list-style-type: none"> <li>• List number names up to 550.</li> <li>• Solve subtraction and addition problems using borrowing and carrying.</li> </ul> <p><b>UNDERSTANDING:</b></p> <ul style="list-style-type: none"> <li>• Perform number operations.</li> <li>• Memorize number name up to 550.</li> <li>• Apply subtraction and addition in practical situations.</li> <li>• Identify patterns and create it.</li> </ul>	<p>intelligence</p>	<p>based on addition and subtraction.</p> <ul style="list-style-type: none"> <li>• Choose the correct number operation.</li> <li>• Complete number and picture pattern.</li> <li>• Analyse and demonstrate the word problems.</li> </ul>
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<p><b>NOVEMBER</b> No. of working days -</p>	<p><b>MONEY</b></p> <p><b>MULTIPLICATION</b> (Multiplication of one, two and three digit numbers with 1-digit number without carrying, Word problems of multiplication)</p> <p><b>NUMBER NAMES</b> (551 – 700)</p> <p><b>FORWARD COUNTING</b> (1201 – 1500)</p> <p><b>MULTIPLICATION TABLES OF 0 to 10</b></p>	<p>from 0 to 10.</p> <ul style="list-style-type: none"> <li>Understand the concept of multiplication.</li> <li>Using repeated addition and number line to multiply.</li> <li>Solve the questions using multiplication properties.</li> <li>Derive multiplication tables using matchsticks or straws.</li> <li>Learn to multiply vertically.</li> <li>Multiply 2 and 3-digit numbers by 1-digit number without carrying.</li> <li>Identify the value of currency notes and coins and perform addition and subtraction operations.</li> <li>Representation of money using</li> </ul>	<p><b>KNOWLEDGE:</b></p> <ul style="list-style-type: none"> <li>Recall tables up to 10.</li> <li>Know skip counting by 2s, 3s, 4s and 5s.</li> <li>Identify notes and coins.</li> </ul> <p><b>SKILLS:</b></p> <ul style="list-style-type: none"> <li>Analytical Skills</li> <li>Computing Skills</li> <li>Problem solving skills</li> <li>Problem Solving skills</li> </ul> <p><b>APPLICATION:</b></p> <ul style="list-style-type: none"> <li>Know repeated addition concept.</li> <li>Use multiplication properties to solve problems.</li> <li>Awareness of purchasing and selling and price of objects concept.</li> <li>Demonstration of addition and subtraction of money in rupees and paise.</li> </ul> <p><b>UNDERSTANDING:</b></p> <ul style="list-style-type: none"> <li>Solve multiplication problems based on 1 digit numbers.</li> <li>Use properties of multiplication for solving problems.</li> <li>Represent different denominations using</li> </ul>	<p>Numbers intelligence</p> <p>Intra personal intelligence</p> <p>Spatial intelligence</p>	<p>Students will be able to :</p> <ul style="list-style-type: none"> <li>Solve multiplication sums based on 1 digit numbers.</li> <li>Perform multiplication operation in real life situation.</li> <li>Apply addition and subtraction of currency in real life situations.</li> </ul>
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		<p>different denominations.</p> <ul style="list-style-type: none"> <li>Preparation of bill.</li> </ul>	<p>different combinations.</p> <ul style="list-style-type: none"> <li>Add and subtract money.</li> </ul>		
<p><b>DECEMBER</b> No. of working days -</p>	<p>DATA HANDLING  MEASUREMENT OF LENGTH  NUMBER NAMES (701 TO 800)</p>	<ul style="list-style-type: none"> <li>Understand the meaning of measurement in context of length, weight and capacity.</li> <li>Use of non standard units of length to measure various objects.</li> <li>Add metres and centimetres.</li> <li>Collect and arrange the given information.</li> <li>Analyse and interpret the information.</li> </ul>	<p><b>KNOWLEDGE:</b></p> <ul style="list-style-type: none"> <li>Know about long and short concept.</li> <li>Recall count and write based on pictures.</li> </ul> <p><b>SKILLS:</b></p> <ul style="list-style-type: none"> <li>Critical thinking</li> <li>Creativity</li> <li>Communication Skills</li> <li>Social skills</li> </ul> <p><b>APPLICATION:</b></p> <ul style="list-style-type: none"> <li>Demonstration of measuring length using non standard units.</li> <li>Usage of ruler to measure length of various objects.</li> <li>Collecting and organising the given information.</li> <li>Collect and record the data using pictures/numbers and interpret simple information by looking at the given table.</li> </ul> <p><b>UNDERSTANDING:</b></p> <ul style="list-style-type: none"> <li>Measuring length using ruler.</li> <li>Addition and subtraction of units of length.</li> </ul>	<p>Numbers intelligence  Intra personal intelligence  Spatial intelligence</p>	<p>Students will be able to :</p> <ul style="list-style-type: none"> <li>Measure length using ruler and identify the need of standard units of length.</li> <li>Perform addition and subtraction of metres and centimetres.</li> <li>Analyse data and interpret it.</li> </ul>



			<ul style="list-style-type: none"> <li>• Interpretation of data to solve questions based on it.</li> </ul>		
<b>CONDUCTION OF E-3 ASSESSMENT ACTIVITIES</b>					
<b>JANUARY</b> <b>No. of working days -</b>	<p>MEASUREMENT OF WEIGHT AND CAPACITY</p> <p>MULTIPLICATION (Multiplication of one, two and three digit numbers by 1-digit number with carrying)</p> <p>DIVISION (Sharing into equal parts, making sets)</p> <p>NUMBER NAMES (801 – 900)</p> <p>FORWARD COUNTING (1501 – 1800)</p> <p>MULTIPLICATION TABLES OF 0 to 10</p>	<ul style="list-style-type: none"> <li>• Understand the meaning of measurement in context of weight and capacity.</li> <li>• Identify the standard units used for measuring weight and capacity.</li> <li>• Oral drills related to multiplication tables and mental maths.</li> <li>• Learning of multiplication tables from 0 to 10.</li> <li>• Multiply 2 and 3-digit numbers by 1-digit number with carrying.</li> <li>• Solve word problems based on multiplication and use the concept in real life situations.</li> </ul>	<p><b>KNOWLEDGE:</b></p> <ul style="list-style-type: none"> <li>• Recall the concept of heavy or light and more or less.</li> <li>• Knowledge of multiplication by 1 digit number.</li> <li>• Know equal sharing concept.</li> </ul> <p><b>SKILLS:</b></p> <ul style="list-style-type: none"> <li>• Reasoning skill</li> <li>• Critical thinking skill</li> <li>• Problem solving skill</li> <li>• Logical thinking</li> </ul> <p><b>APPLICATION:</b></p> <ul style="list-style-type: none"> <li>• Measurement of weight using balance and weights.</li> <li>• Video related to measurement of capacity.</li> <li>• Demonstration of multiplication with carrying.</li> <li>• Real objects based activity on equal sharing.</li> </ul> <p><b>UNDERSTANDING:</b></p> <ul style="list-style-type: none"> <li>• Apply concept of measurement in real life situations.</li> <li>• Divide objects equally</li> </ul>	<p>Numbers intelligence</p> <p>Intra personal intelligence</p> <p>Spatial intelligence</p>	<p>Students will be able to :</p> <ul style="list-style-type: none"> <li>• Apply the concept of measurement in real life situations.</li> <li>• Perform addition and subtraction of standard units of measurement.</li> <li>• Create equal sets for given objects.</li> <li>• Perform multiplication operation.</li> </ul>

		<ul style="list-style-type: none"> <li>• Comparing weight of different objects using a balance.</li> <li>• Add and subtract numbers given in different standard units of measurement.</li> <li>• Read and write numbers up to 1800.</li> <li>• Write number names and numerals from 801 to 900.</li> </ul>	<ul style="list-style-type: none"> <li>• among parts.</li> <li>• Solve multiplication sums with carrying.</li> </ul>		
<b>FEBRUAR Y No. of working days -</b>	<p>DIVISION (Repeated subtraction, Short method)</p> <p>NUMBER NAMES (901 – 1000)</p> <p>FORWARD COUNTING (1801 – 2000)</p> <p>MULTIPLICATION TABLES OF 0 to 11</p>	<ul style="list-style-type: none"> <li>• Understand the meaning of the word “division” and making equal sets.</li> <li>• Dividing the numbers using repeated subtraction and number line.</li> <li>• Dividing 2-digit numbers by 1-digit number using short method and long division method.</li> <li>• Understand multiplication and</li> </ul>	<p><b>KNOWLEDGE:</b></p> <ul style="list-style-type: none"> <li>• Knowledge of equal sets and sharing.</li> <li>• Divide using number line.</li> </ul> <p><b>SKILLS:</b></p> <ul style="list-style-type: none"> <li>• Reasoning skill</li> <li>• Critical thinking skill</li> <li>• Problem solving skill</li> <li>• Logical thinking</li> </ul> <p><b>APPLICATION:</b></p> <ul style="list-style-type: none"> <li>• Demonstration of division using video and examples.</li> <li>• Division using repeated subtraction and short method using tables.</li> </ul> <p><b>UNDERSTANDING:</b></p> <ul style="list-style-type: none"> <li>• Solve division questions</li> </ul>	<p>Numbers intelligence</p> <p>Intra personal intelligence</p> <p>Spatial intelligence</p>	<p>Students will be able to :</p> <ul style="list-style-type: none"> <li>• Perform multiplication operation.</li> <li>• Use division operation in practical situations.</li> </ul>

		<p>division facts to solve the questions mentally.</p> <ul style="list-style-type: none"> <li>• Read and write numbers up to 2000.</li> <li>• Write number names and numerals from 901 to 1000.</li> <li>• Learning of multiplication tables from 0 to 11.</li> </ul>	<p>using different methods.</p> <ul style="list-style-type: none"> <li>• Use division operation in real life situations.</li> </ul>		
<b>MARCH</b>	<b>CONDUCTION OF E-4 ASSESSMENT ACTIVITIES</b>				