INFANT JESUS CONVENT SCHOOL
CLASS- 1
ANNUAL PLANNER (2023-24)
MATHEMATICS

MONTH / NO. OF DAYS	TOPIC: SUB TOPIC	OBJECTIVES	AIDS/ ACTIVITIES	MULTIPLE INTELLIGENCE SKILLS	LEARNING OUTCOME
APRIL No. of working days - 14	-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 : • Recall and identify numbers up to 300. • Compare and form greatest and smallest two digit numbers. • Read and write number names and numerals. • Write the place and the place value of given digit in a number. • Arrange numbers in ascending and descending order. • Express a number in the expanded and standard form. • Learn by oral drills. • Develop number vocabulary, number concept ,	**KNOWLEDGE:** • List the number names up to 70. • Compare numbers up to 2 digit. • Expand the two digit numbers. • Brainstorming about the greatest and smallest number up to 2 digit. **SKILLS:** • Calculation skill • Problem solving skill • Critical thinking • Writing skill **APPLICATION:** • Explanation of the concept. • Video based explanation. • Applying the concept of expanded and standard form. • Analyzing 2-digit numbers and ordering them. • Enhancement of the	Logical intelligence Intra personal intelligence Spatial intelligence	Students will be able to : • Analyze the concept of place value. • Compare the 2-digit numbers. • Arrange numbers in ascending and descending order.

		calculation and application skills. • Develop the correct use of the language of Mathematics.	number knowledge. **UNDERSTANDING:** • Identifying greatest and smallest number. • Memorize number name up to 70. • Use number concepts in real life.		
MAY No. of working days - 10	-NUMBER NAMES 71 TO 100 -ADDITION AND SUBTRACTION OF SINGLE DIGIT NUMBERS -MULTIPLICATION TABLES OF 2 AND 3 -FORWARD COUNTING 301-500	• Read and write numbers up to 500. • Write number names and numerals. • Learning of multiplication tables by skip counting. • Add 1-digit numbers without carrying. • Subtract 1- digit numbers without borrowing.	**KNOWLEDGE:** • Identify number family up to 500. • List number names up to 100. • Memorize multiplication tables till 3. • Use addition and subtraction facts in calculation. **SKILLS:** • Computation skill • Critical thinking skill • Number facility skill **APPLICATION:** • Demonstration of the addition and subtraction. • Practise number operations by forward and backward counting. • Illustrate real life examples. **UNDERSTANDING:** • Recognize number operations. • Memorize number name up to 100.	Numbers intelligence Intra personal intelligence Spatial intelligence	Students will be able to : • Analyze the method of addition and subtraction. • Solve problems based on addition and subtraction. • Choose the correct number operation.

			• Apply concepts in real life situations.		

<div align="center">**CONDUCTION OF E-1 ASSESSMENT ACTIVITIES**</div>

| **JULY No. of working days - 21** | SHAPES (PLANE SHAPES)

ORDINAL NUMBERS (1-10)

NUMBER NAMES (101 – 200)

FORWARD COUNTING (501 – 800)

MULTIPLICATION TABLES OF 4 and 5

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)

SUBTRACTION | • Identify and draw different types of lines.
• Recognize the different plane shapes and their features.
• Add two and three 2-digit numbers with and without carrying.
• Subtract 2 -digit numbers with and without borrowing.
• Solving questions based on addition and subtraction together.
• Understand the meaning and usage of ordinal numbers.
• Solve word problems based on addition and | **KNOWLEDGE:**
• Recall the 2-D shapes.
• Understand the ordinal numbers and their usage.
• Identify number family up to 1000.
• List number names up to 200.
• Memorize multiplication tables till 5.
• Use addition and subtraction properties in calculation.
SKILLS:
• Writing skill
• Critical thinking skill
• Number facility skill
• Logical thinking
APPLICATION:
• Explanation of 2-D shapes using real examples.
• Demonstration of the addition and subtraction method.
• Illustration of ordinal numbers through fun activity.
UNDERSTANDING:
• Perform number | Numbers intelligence

Intra personal intelligence

Spatial intelligence | Students will be able to :
• Identify different shapes and list their features.
• Analyze and solve word problems based on addition and subtraction.
• Tell and write correct ordinal numbers. |

		subtraction using a range of strategies.	operations.		
	(Subtraction of 2 digit numbers without borrowing, Subtraction properties)	• subtraction using a range of strategies. • Read and write numbers up to 800. • Learning of multiplication tables by skip counting.	• operations. • Explain plane shapes and their features. • Decide the ordinal numbers as per the positions. • Memorize number name up to 200. • Apply concepts in real life situations.		
AUGUST No. of working days - 20	SHAPES (SOLID SHAPES) EVEN AND ODD NUMBERS 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) NUMBER NAMES (201 – 400) FORWARD COUNTING (801 –	• Identify the various solid shapes. • Understand the terms like faces, vertices and edges. • Identify and sort even and odd numbers from 1 to 100. • Conceptual understanding of hundreds, tens and ones. • Read and write numbers up to 1000. • Write number names and numerals.	**KNOWLEDGE:** • Recall the 3-D shapes. • Identify even and odd numbers. • List number names up to 400. • Understand the place values of 3-digit numbers. • Understand the borrowing concept of subtraction. **SKILLS:** • Reasoning skill • Critical thinking skill • Problem solving skill • Logical thinking **APPLICATION:** • Explanation of 3-D shapes using real examples. • Illustrate even and odd numbers.	Numbers intelligence Intra personal intelligence Spatial intelligence	Students will be able to : • Analyze the concept of place value. • Compare the 2-digit numbers. • Arrange the numbers in ascending and descending order.

	1000) MULTIPLICATION TABLES OF 0 to 5 SUBTRACTION (Subtraction of 2 digit numbers with borrowing, Word problems of subtraction)	• Learning of multiplication tables by skip counting. • Subtract 2-digit numbers with borrowing.	• Solve subtraction problems using borrowing. **UNDERSTANDING:** • List even and odd numbers up to 100. • Perform number operations. • Explain solid shapes and their features. • Memorize number name up to 400. • Apply subtraction in practical situations.		
SEPTEM BER **No. of working days – 09**	TIME (Parts of the day, Days of the week, Months in a year, telling time, show the time on the clock)	• List and write days of the week and months of the year in the correct sequence. • Understand the different parts of a day and terms associated with the time. • Read the time and draw the hands of the clock accordingly.	**KNOWLEDGE:** • Identify terms related to the concept of time. • Recall different parts of the day. **SKILLS:** • Reasoning skill • Critical thinking skill • Problem solving skill • Logical thinking **APPLICATION:** • Explain the terms hours and minutes. • Demonstrate the process of reading time. • Practise reading time with examples. **UNDERSTANDING:** • Determine the time shown on a clock	Numbers intelligence Intra personal intelligence Spatial intelligence	Students will be able to : • Analyze the different parts of the day. • Draw hands of the clock to show the time and vice versa.

			correctly.		
CONDUCTION OF E-2 ASSESSMENT ACTIVITIES					
OCTOBER **No. of working days -19**	ADDITION (Addition of 3 digit numbers with and without carrying, Addition of 3, 3-digit numbers with and without carrying, Word problems of addition) SUBTRACTION (Subtraction of 3 digit numbers with and without borrowing, Word problems of subtraction) PATTERNS NUMBER NAMES (401 – 550) FORWARD COUNTING (1001 – 1200) MULTIPLICATION TABLES OF 6 to 8	• Add 3- digit numbers with carrying in hundreds and tens place. • Subtract 3 - digit numbers with borrowing from hundreds and tens place. • Solving questions based on addition and subtraction together. • Checking subtraction by addition. • Solve word problems based on addition and subtraction using a range of strategies. • Identify patterns in shapes, alphabets, pictures and	**KNOWLEDGE:** • Perform addition and subtraction of two digit numbers. • Identify patterns in real life objects. **SKILLS:** • Reasoning skill • Critical thinking skill • Problem solving skill • Logical thinking **APPLICATION:** • List number names up to 550. • Solve subtraction and addition problems using borrowing and carrying. **UNDERSTANDING:** • Perform number operations. • Memorize number name up to 550. • Apply subtraction and addition in practical situations. • Identify patterns and create it.	Numbers intelligence Intra personal intelligence Spatial intelligence	Students will be able to : • Analyze the method of addition and subtraction of 3 digit numbers. • Solve problems based on addition and subtraction. • Choose the correct number operation. • Complete number and picture pattern. • Analyse and demonstrate the word problems.

		numbers.			
		• Extend given patterns.			
		• Read and write numbers up to 1200.			
		• Write number names and numerals from 401 to 550.			
		• Learning of multiplication tables from 0 to 10.			
NOVEMB ER **No. of working days -19**	MONEY MULTIPLICATION (Multiplication of one, two and three digit numbers with 1-digit number without carrying, Word problems of multiplication) NUMBER NAMES (551 – 700) FORWARD COUNTING (1201 – 1500) MULTIPLICATION TABLES OF 0 to	• Understand the concept of multiplication. • Using repeated addition and number line to multiply. • Solve the questions using multiplication properties. • Derive multiplication tables using matchsticks or straws. • Learn to multiply vertically.	**KNOWLEDGE:** • Recall tables up to 10. • Know skip counting by 2s, 3s, 4s and 5s. • Identify notes and coins. **SKILLS:** • Analytical Skills • Computing Skills • Problem solving skills • Problem Solving skills **APPLICATION:** • Know repeated addition concept. • Use multiplication properties to solve problems. • Awareness of purchasing and selling and price of	Numbers intelligence Intra personal intelligence Spatial intelligence	Students will be able to : • Solve multiplication sums based on 1 digit numbers. • Perform multiplication operation in real life situation. • Apply addition and subtraction of currency in real life situations.

	10	• Multiply 2 and 3-digit numbers by 1-digit number without carrying. • Identify the value of currency notes and coins and perform addition and subtraction operations. • Representation of money using different denominations. • Preparation of bill.	objects concept. • Demonstration of addition and subtraction of money in rupees and paise. **UNDERSTANDING:** • Solve multiplication problems based on 1 digit numbers. • Use properties of multiplication for solving problems. • Represent different denominations using different combinations. • Add and subtract money.		
DECEMBER **No. of working days -11**	DATA HANDLING MEASUREMENT OF LENGTH NUMBER NAMES (701 TO 800)	• Understand the meaning of measurement in context of length, weight and capacity. • Use of non standard units of length to measure various objects. • Add metres and centimetres. • Collect and arrange the given	**KNOWLEDGE:** • Know about long and short concept. • Recall count and write based on pictures. **SKILLS:** • Critical thinking • Creativity • Communication Skills • Social skills **APPLICATION:** • Demonstration of measuring length using non standard units. • Usage of ruler to	Numbers intelligence Intra personal intelligence Spatial intelligence	Students will be able to : • Measure length using ruler and identify the need of standard units of length. • Perform addition and subtraction of metres and centimetres. • Analyse data and interpret

		information. • Analyse and interpret the information.	measure length of various objects. • Collecting and organising the given information. • Collect and record the data using pictures/numbers and interpret simple information by looking at the given table. **UNDERSTANDING:** • Measuring length using ruler. • Addition and subtraction of units of length. • Interpretation of data to solve questions based on it.		it.
CONDUCTION OF E-3 ASSESSMENT ACTIVITIES
JANUAR Y **No. of working days -16**	MEASUREMENT OF WEIGHT AND CAPACITY MULTIPLICATION (Multiplication of one, two and three digit numbers by 1-digit number with carrying) DIVISION (Sharing	• Understand the meaning of measurement in context of weight and capacity. • Identify the standard units used for measuring weight and capacity.	**KNOWLEDGE:** • Recall the concept of heavy or light and more or less. • Knowledge of multiplication by 1 digit number. • Know equal sharing concept. **SKILLS:** • Reasoning skill • Critical thinking skill	Numbers intelligence Intra personal intelligence Spatial intelligence	Students will be able to : • Apply the concept of measurement in real life situations. • Perform addition and subtraction of standard units of measurement. • Create equal sets for given objects. • Perform

into equal parts, making sets) NUMBER NAMES (801 – 900) FORWARD COUNTING (1501 – 1800) MULTIPLICATION TABLES OF 0 to 10	• Oral drills related to multiplication tables and mental maths. • Learning of multiplication tables from 0 to 10. • Multiply 2 and 3-digit numbers by 1-digit number with carrying. • Solve word problems based on multiplication and use the concept in real life situations. • Comparing weight of different objects using a balance. • Add and subtract numbers given in different standard units of measurement. • Read and write numbers up to 1800. • Write number names and numerals from 801 to 900.	• Problem solving skill • Logical thinking **APPLICATION:** • Measurement of weight using balance and weights. • Video related to measurement of capacity. • Demonstration of multiplication with carrying. • Real objects based activity on equal sharing. **UNDERSTANDING:** • Apply concept of measurement in real life situations. • Divide objects equally among parts. • Solve multiplication sums with carrying.		multiplication operation.

FEBRUARY **No. of working days -21**	DIVISION (Repeated subtraction, Short method) NUMBER NAMES (901 – 1000) FORWARD COUNTING (1801 – 2000) MULTIPLICATION TABLES OF 0 to 11	• Understand the meaning of the word "division" and making equal sets. • Dividing the numbers using repeated subtraction and number line. • Dividing 2-digit numbers by 1-digit number using short method and long division method. • Understand multiplication and division facts to solve the questions mentally. • Read and write numbers up to 2000. • Write number names and numerals from 901 to 1000. • Learning of	**KNOWLEDGE:** • Knowledge of equal sets and sharing. • Divide using number line. **SKILLS:** • Reasoning skill • Critical thinking skill • Problem solving skill • Logical thinking **APPLICATION:** • Demonstration of division using video and examples. • Division using repeated subtraction and short method using tables. **UNDERSTANDING:** • Solve division questions using different methods. • Use division operation in real life situations.	Numbers intelligence Intra personal intelligence Spatial intelligence	Students will be able to : • Perform multiplication operation. • Use division operation in practical situations.

		multiplication tables from 0 to 11.			
MARCH	**CONDUCTION OF E-4 ASSESSMENT ACTIVITIES**				