

INFANT JESUS CONVENT SCHOOL

ANNUAL PLAN

Mathematics

CLASS: III

MONTH/NO OF DAYS	TOPIC: SUB TOPIC	OBJECTIVES	AIDS/ACTIVITIES	MULTIPLE INTELLIGENCE SKILLS	LEARNING OUTCOME
<p style="text-align: center;">APRIL No of Days: 18</p>	<ul style="list-style-type: none"> • NUMBERS AND ADDITION ➤ Write numerals for greater number ➤ Read and write numbers use to represent abacus. ➤ Mark the Face value and place value ➤ Know more about Successor and Predecessor ➤ Understand the concept of addition 4 digit and 5 digit ➤ Solve word problems of addition using its properties 	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Identify numbers up to 10000 • Compare the numbers and arrange them in ascending and descending order • Develop number vocabulary, number concept and calculation and application skills. • Develop the correct use of the language of Mathematics. 	<p>KNOWLEDGE:</p> <ul style="list-style-type: none"> • List the Number names up to ten thousand • Compare numbers up to 4 digit. • Brainstorming about the Greatest and smallest number up to 4 digit <p>SKILLS:</p> <ul style="list-style-type: none"> • Problem solving Skills • Critical Thinking • Calculation skill <p>APPLICATION:</p> <ul style="list-style-type: none"> • Explanation of the concept using addition properties. • Video based explanation • Analyzing the place value and face value of the numbers 	<ul style="list-style-type: none"> • Linguistic • Spatial • Intrapersonal 	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Analyze the concept of numeral. • Integrate numbers on the basis of place value and face value • Identify & use Properties of Addition

			<ul style="list-style-type: none"> Applying the concept of expanded and short form Enhance the calculation using the addition operation. <p>UNDERSTANDING:</p> <ul style="list-style-type: none"> Identifying greatest and smallest number Memorize number name up to 999 Use different properties of addition. 		
<p>MAY</p> <p>No of Days: 14</p>	<ul style="list-style-type: none"> Subtraction <ul style="list-style-type: none"> Solve verbal problems of subtraction using the daily life scenario Develop the correct use of the language of Mathematics Understand the properties of subtraction Identify the subtrahend and Minuend 	<p>Students will be able to:</p> <ul style="list-style-type: none"> Identify properties of subtraction Solve subtraction sums using minuend and subtrahend Develop number vocabulary, number concept and calculation and application skills. Develop the 	<p>KNOWLEDGE:</p> <ul style="list-style-type: none"> Recall zero property of subtraction Compare minuend and subtrahend Brainstorming about the subtraction method using borrowing concept <p>SKILLS:</p> <ul style="list-style-type: none"> Calculation skill Problem solving skill Application skill <p>APPLICATION:</p> <ul style="list-style-type: none"> Explanation of the concept using subtraction properties. Video based 	<ul style="list-style-type: none"> Natural Spatial Intrapersonal 	<p>Students will be able to:</p> <ul style="list-style-type: none"> Analyze the concept of subtraction. Integrate numbers on the basis of their value Identify & use Properties of subtraction Use the value of number for solving subtraction word problem

		correct use of the language of Mathematics.	<p>explanation</p> <ul style="list-style-type: none"> Analyzing the subtrahend and minuend and solve the question Applying the concept of word problem solving subtraction Enhance the calculation using the subtraction operation. <p>UNDERSTANDING:</p> <ul style="list-style-type: none"> Identifying subtrahend and minuend Memorize properties of subtraction Use different properties of subtraction. Usage of borrowing method while calculation 		
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CONDUCTION OF PT-1 ASSESSMENT

MONTH/NO OF DAYS	TOPIC: SUB TOPIC	OBJECTIVES	AIDS/ACTIVITIES	MULTIPLE INTELLIGENCE SKILLS	LEARNING OUTCOME
	<p><u>MULTIPLICATION AND GEOMETRY</u></p> <ul style="list-style-type: none"> ➤ Understand the concept of 3 digit multiplication 	<p>Students will be able to-</p> <ul style="list-style-type: none"> Divide one digit number with the two digit number Divide 3 digit 	<p>KNOWLEDGE:</p> <ul style="list-style-type: none"> Recall multiplication property (Commutative and associative) Organize the numbers for 	<ul style="list-style-type: none"> Linguistic Spatial Intrapersonal 	<p>The student will be able to-</p> <ul style="list-style-type: none"> Identify the geometrical shapes from nature Differentiate

<p>JULY No of Days: 27</p>	<p>with 4 digit</p> <ul style="list-style-type: none"> ➤ Recall the vocabulary used for multiplication like ➤ times. ➤ Identify the repeated addition method for problem solving concepts of multiplication. ➤ Solve word problems based on the concept of multiplication. ➤ Understand the concept of 2D and 3D shapes ➤ Identify the shapes. ➤ Relate daily life examples with 2D and 3D shapes. 	<p>number with 2 digit number</p> <ul style="list-style-type: none"> • Understand the concept of multiplication facts • Understand the concept of repeated addition that is multiplication in their life scenario • Identify the geometrical shapes from nature • Differentiate between line ,ray and line segment • Identify the difference between 2D and 3D shapes • Identify the properties of 3D shapes 	<p>multiplication</p> <ul style="list-style-type: none"> • Brainstorming about the shapes and their identification <p>SKILLS:</p> <ul style="list-style-type: none"> • Problem Solving Skills • Analytical skill • Identification skills <p>APPLICATION:</p> <ul style="list-style-type: none"> • Explanation of the concept using Multiplication properties . • Video based explanation • Analyzing the shapes and categorize each shape according to its dimensions • Applying the concept of word problem solving Multiplication • Enhance the calculation using the dodging tables. • Recall line, line segment and ray . <p>UNDERSTANDING:</p> <ul style="list-style-type: none"> • Identifying shapes • Memorize properties of multiplication 		<p>between line ,ray and line segment</p> <ul style="list-style-type: none"> • Identify the difference between 2D and 3D shapes • Identify the properties of 3D shapes • Multiply one digit number with the two digit number • Multiply 3 digit number with 2 digit number • Understand the concept of multiplication facts • Understand the concept of repeated addition that is multiplication in their life scenario
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			<ul style="list-style-type: none"> • Use different terms of geometry 		
MONTH/NO OF DAYS	TOPIC: SUB TOPIC	OBJECTIVES	AIDS/ACTIVITIES	MULTIPLE INTELLIGENCE SKILLS	LEARNING OUTCOME
<p>August No of Days: 23</p>	<p><u>DIVISION</u></p> <ul style="list-style-type: none"> ➤ Understand the concept of 2 digit Division with 3 digit. ➤ Understand the concept of Dividend Divisor and Quotient. ➤ Identify the repeated subtraction method for problem solving concepts of division 	<p>Students will be able to-</p> <ul style="list-style-type: none"> • Divide one digit number with the two digit number • Divide 3 digit number with 2 digit number • Understand the concept of division facts • Understand the concept of repeated subtraction that is division in their life scenario • Identify the 	<p>KNOWLEDGE:</p> <ul style="list-style-type: none"> • Identify the Quotient • List the uses of division in day to day life • Enhance the facts of division <p>SKILLS:</p> <ul style="list-style-type: none"> • Listening Skills • Problem Solving Skills • Understanding skills • Observation skills <p>APPLICATION:</p> <ul style="list-style-type: none"> • Practical Based 	<ul style="list-style-type: none"> • Linguistic • Spatial • Logical 	<p>The student will be able to-</p> <ul style="list-style-type: none"> • Divide one digit number with the two digit number • Divide 3 digit number with 2 digit number • Understand the concept of division facts • Understand the concept of repeated subtraction and division

	<p>➤ Solve word problems based on the concept of division.</p> <p>Solve the problems and find the remainder.</p>	<p>Quotient and remainder</p> <ul style="list-style-type: none"> Differentiate between division of 10,100,1000 	<p>explanation</p> <ul style="list-style-type: none"> Introduction to division facts Relate division with day to day life Explore more about divisor dividend and remainder <p>UNDERSTANDING:</p> <ul style="list-style-type: none"> Usage of division Apply repeated subtraction Tell the daily life usage Categorize sums with and without remainder. 		
MONTH/NO OF DAYS	TOPIC: SUB TOPIC	OBJECTIVES	AIDS/ACTIVITIES	MULTIPLE INTELLIGENCE SKILLS	LEARNING OUTCOME
<p>SEPTEMBER</p> <p>No of Days: 05</p>	<p>➤ Division</p> <p>Divide and check</p>	<p>Students will be able to:</p> <ul style="list-style-type: none"> Use the divide and check method Explore about the steps use to multiply and verify answers 	<p>KNOWLEDGE:</p> <ul style="list-style-type: none"> Identify the verification process of division List the uses of division in day to day life Enhance the steps of check method of division <p>SKILLS:</p> <ul style="list-style-type: none"> Listening Skills Problem Solving Skills 	<ul style="list-style-type: none"> Linguistic Spatial Logical 	<p>The student will be able to-</p> <ul style="list-style-type: none"> Divide and verify its result Divide 3 digit number with 2 digit number Understand the concept of division facts

			<ul style="list-style-type: none"> • Understanding skills • Observation skills <p>APPLICATION:</p> <ul style="list-style-type: none"> • Practical Based explanation • Introduction to division facts • Relate division with day to day life • Explore more about divisor dividend and remainder <p>UNDERSTANDING:</p> <ul style="list-style-type: none"> • Usage of division • Apply repeated subtraction • Tell the daily life usage • Categorize sums with and without remainder. 		
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CONDUCTION OF TERM 1 ASSESSMENT

MONTH/NO OF DAYS	TOPIC: SUB TOPIC	OBJECTIVES	AIDS/ACTIVITIES	MULTIPLE INTELLIGENCE SKILLS	LEARNING OUTCOME
OCTOBER No of Days: 22	<ul style="list-style-type: none"> ➤ Fractions ➤ Understand the concept of fractions using numerator and denominator ➤ Clarify the concept of equivalent fraction. 	Students will be able to: <ul style="list-style-type: none"> • Define numerator and denominator. • Read a simple fraction. • Write a simple 	<p>KNOWLEDGE:</p> Identify the numerator and denominator. Classify types of fractions Enhance the steps to read time.	<ul style="list-style-type: none"> • Linguistic • Spatial • Intrapersonal 	<ul style="list-style-type: none"> • The student will be able to- • Form fractions • Read and write time.

	<ul style="list-style-type: none"> ➤ Time ➤ Read the time <p>Conversion of units of time value</p>	<p>fraction to represent a picture or set of objects.</p> <ul style="list-style-type: none"> • Develop, demonstrate, and apply mathematical understanding through play, inquiry, and problem solving. • Represent mathematical ideas in pictorial and symbolic forms. • Read as well as write time • Understand the concept of am and pm. 	<p>SKILLS:</p> <ul style="list-style-type: none"> • Listening Skills • Problem Solving Skills • Understanding skills • Observation skills <p>APPLICATION:</p> <ul style="list-style-type: none"> • Practical Based explanation • Introduction to concept of am and pm <ul style="list-style-type: none"> • Memorize 12 hour and 24 hour format in day life Explore more about <p>UNDERSTANDING:</p> <ul style="list-style-type: none"> • Usage of numerator and denominator Regenerate fraction concept • Tell the time Understand the concept of am and pm 		<ul style="list-style-type: none"> • Understand the concept of proper and improper fractions.
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MONTH/NO OF DAYS	TOPIC: SUB TOPIC	OBJECTIVES	AIDS/ACTIVITIES	MULTIPLE INTELLIGENCE SKILLS	LEARNING OUTCOME
	➤ TIME(CONTD.) →	• Students will	KNOWLEDGE:	• Linguistic	The student

<p>NOVEMBER No of Days: 23</p>	<p>Concept Of duration calculation</p> <ul style="list-style-type: none"> ➤ MEASUREMENT OF LENGTH ➤ Conversion of units ➤ Addition of Length and its units ➤ Word Problems related to real life 	<p>be able to: Express time in three ways</p> <ul style="list-style-type: none"> • Add time in minutes or seconds. • Understand Calendar concept. • Enhance their knowledge regarding the units of measurement. • Convert the units from one to another • Identify objects according to their units of measurement. Use mathematical operations to solve word problems related to units of Length 	<ul style="list-style-type: none"> • Identify the time conversion methods. • Recall the units of length List the measuring units of in day to day life. • Enhance the quality of things used to calculate length. <p>APPLICATION:</p> <ul style="list-style-type: none"> • Introduction to unit of length. • Relate objects to measure with day to day life. • Explore more about units of measurement. <p>UNDERSTANDING:</p> <ul style="list-style-type: none"> • Usage of devices used to measure length. Apply measurement technique • Enhance quality. 	<ul style="list-style-type: none"> • Spatial • Intrapersonal 	<p>will be able to-</p> <ul style="list-style-type: none"> • Add time units. • Convert units of length. • Understand concept of length and its measure. • Recall smaller units of length.
<p>MONTH/NO OF DAYS</p>	<p>TOPIC: SUB TOPIC</p>	<p>OBJECTIVES</p>	<p>AIDS/ACTIVITIES</p>	<p>MULTIPLE INTELLIGENCE</p>	<p>LEARNING OUTCOME</p>

				SKILLS	
<p>DECEMBER No of Days: 11</p>	<ul style="list-style-type: none"> ➤ MONEY ➤ Currency knowledge ➤ Conversion of units of time ➤ Addition and subtraction of units of money 	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Acknowledge money in rupees and paisa. • Conversion of Money. • Solving concept of money(Bill). 	<p>KNOWLEDGE: List the uses of money in day to day life. Enhance the steps of conversion of money.</p> <p>SKILLS:</p> <ul style="list-style-type: none"> • Listening Skills • Problem Solving Skills • Understanding skills • Observation skills <p>• APPLICATION: Relate money with day to day life.</p> <ul style="list-style-type: none"> • Explore more about writing time. <p>UNDERSTANDING:</p> <ul style="list-style-type: none"> • Usage of money concept. • Apply money conversion methods. • Tell the daily life usage of time money. 	<ul style="list-style-type: none"> • Linguistic • Spatial • Intrapersonal 	<ul style="list-style-type: none"> • The student will be able to- • - • Add time Units. • Understand value of money. • Prepare bill.

CONDUCTION OF PT 2 ASSESSMENT

MONTH/NO OF DAYS	TOPIC: SUB TOPIC	OBJECTIVES	AIDS/ACTIVITIES	MULTIPLE INTELLIGENCE SKILLS	LEARNING OUTCOME
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<p style="text-align: center;">JANUARY No of Days: 21</p>	<ul style="list-style-type: none"> ➤ MEASUREMENT OF MASS ➤ Conversion of units ➤ Addition of MASS and its units ➤ Word Problems related to real life ➤ MEASUREMENT OF CAPACITY ➤ Conversion of units ➤ Addition of Capacity and its units ➤ Word Problems related to real life 	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Enhance their knowledge regarding the units of measurement. • Convert the units from one to another. • Identify objects according to their units of Measurement. • Use mathematical operations to solve word problems related to units of Mass. 	<p>KNOWLEDGE:</p> <ul style="list-style-type: none"> • Recall the units of mass and capacity. • List the measuring units of in day to day life. • Enhance the quality of things used to calculate mass and capacity. <p>SKILLS:</p> <ul style="list-style-type: none"> • Listening Skills • Problem Solving Skills • Understanding skills • Observation skills <p>• APPLICATION: Relate money with day to day life.</p> <ul style="list-style-type: none"> • Explore more about writing time. <p>UNDERSTANDING:</p> <ul style="list-style-type: none"> • Usage of capacity concept. • Apply mass Conversion. methods. • Tell the daily life usage of time capacity 	<ul style="list-style-type: none"> • Linguistic • Spatial • Intrapersonal 	<ul style="list-style-type: none"> • The student will be able to- • Convert units of mass and capacity. • Understand concept of mass. • Recall smaller units of mass and capacity.
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MONTH/NO OF DAYS	TOPIC: SUB TOPIC	OBJECTIVES	AIDS/ACTIVITIES	MULTIPLE INTELLIGENCE SKILLS	LEARNING OUTCOME
FEBRUARY No of Days: 22	<p>DATA HANDLING</p> <ul style="list-style-type: none"> ➤ Read pictograph ➤ Represent data in the form of pictures. <p>PATTERNS</p> <ul style="list-style-type: none"> ➤ Analyse and identify various patterns. 	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Identify the numerical patterns. • Solve the addition, subtraction and table patterns. • Analyze the patterns from the nature. • Read and draw Pictograph. • Analyze the data. using pictures and draw tally marks. 	<p style="text-align: center;">concept.</p> <p>KNOWLEDGE:</p> <ul style="list-style-type: none"> • Memorize the Patterns. • Enlist few numerical Patterns and observe tally marks. <p>SKILLS:</p> <ul style="list-style-type: none"> • Listening Skills • Problem Solving Skills • Understanding skills • Observation skills <p>APPLICATION:</p> <p>Relate patterns with day to day life.</p> <ul style="list-style-type: none"> • Explore more about data handling. <p>UNDERSTANDING:</p> <ul style="list-style-type: none"> • Usage of data handling concept. • Tell the daily life usage of patterns concept. 	<ul style="list-style-type: none"> • Linguistic • Spatial • Intrapersonal 	<p>The student will be able to-</p> <ul style="list-style-type: none"> • Observe the patterns and solve the same. • Understand data handling concept.

MARCH

CONDUCTION OF TERM 2 ASSESSMENT