

INFANT JESUS CONVENT SCHOOL
CLASS- 2
ANNUAL PLANNER (2024-25)
MATHEMATICS

| MONTH / NO. OF DAYS | TOPIC:SUB TOPIC | OBJECTIVES | AIDS/ ACTIVITIES | MULTIPLE INTELLIGENCE SKILLS | LEARNING OUTCOME |
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| APRIL No. of working days - 14 | L-1 NUMBERS <ul style="list-style-type: none"> • Number names • Numerals • Successor, Predecessor • Odd & Even • Comparison <, >, = • Expanded form upto 100 • Numbers on Abacus (3 digits) • Tables 1 to 8 | The student will be able to: <ul style="list-style-type: none"> • Recall the different concepts learnt in previous class. • Do number names 1 to 2500. • Revise and practice different problems based on numbers up to 100. • Read and write numbers up to 2000. • Write number names and numerals. • Express a number in expanded form and short form. • Find out even odd numbers, successor and predecessor. • Writing numbers using place values on abacus • Writing numbers | KNOWLEDGE: <ul style="list-style-type: none"> • List the number names up to 2500. • Compare numbers up to 4 digit. • Expand the three and four digit numbers. • Differentiate between odd and even numbers • Identify predecessor and successor • Brainstorming about the greatest and smallest number up to 4 digit. • Identify number family up to 5000. • Memorize multiplication tables till 8. • Brainstorming about the greatest and smallest number up to 4 digit. SKILLS: <ul style="list-style-type: none"> • Calculation skill • Problem solving skill • Critical thinking • Writing skill | Logical intelligence Intra personal intelligence Spatial intelligence Numbers intelligence Intra personal intelligence | Students will be able to : <ul style="list-style-type: none"> • Analyse the concept of Successor and predecessor, odd & even. • Compare the 2, 3 & 4- digit numbers. • Read numbers on Abacus • Analyze the concept of place value and face value. • Compare the 2,3,4- digit numbers. • Learn multiples |

- using place values on abacus
- Learning of multiplication tables

- Computation skill
- Number facility skill

APPLICATION:

- Explanation of the concept.
- Video based explanation.
- Analyzing the place value and face value of the numbers
- Applying the concept of expanded and short form
- Analyzing 2,3 and 4-digit numbers and ordering them.
- Enhancement of the number knowledge.
- Illustrate real life examples.
- Enhancement of the number knowledge.

UNDERSTANDING:

- Identifying greatest and smallest number.
- Memorize number name up to 1500.
- Use number concepts in real life.
- Read numbers on Abacus.
- Recognize number operations.
- Apply concepts in real life situations.

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| <p>MAY No. of working days - 10</p> | <p>L-1 NUMBERS (continuation)</p> <ul style="list-style-type: none"> Forming 4 digit numbers Numbers on Abacus Expanded and Compact form Place value and face value Predecessor & Successor Comparison $>$, $>$, $=$ Ascending and Descending Formation of greatest and smallest numbers Odd & Even Skip counting | <ul style="list-style-type: none"> Expand numbers with respect to place values and face values. Express a number in expanded form and short form. Find out even odd numbers, successor and predecessor. Comparing numbers using place values Arrange numbers in increasing and decreasing order. Count in different ways and skip counting in hundreds and in thousands. <p>Count and regroup into thousands, hundreds, tens and ones.</p> <ul style="list-style-type: none"> Add two and three 2-digit numbers, 3-digit numbers and 4-digit numbers with and without regrouping (carrying). Addition of 4-digit numbers with carrying in the tens, hundreds and thousands place. | <p>KNOWLEDGE:</p> <ul style="list-style-type: none"> Understand the ordinal numbers and their usage. Identify number family up to 9999. List number names up to 2500. Memorize multiplication tables till 10. Use addition and subtraction properties in calculation. Recall properties of addition Brainstorming about the addition method using borrowing concept <p>SKILLS:</p> <ul style="list-style-type: none"> Writing skill Critical thinking skill Number facility skill Logical thinking <p>APPLICATION:</p> <ul style="list-style-type: none"> Demonstration of the addition method. Illustration of ordinal numbers through fun activity. <p>UNDERSTANDING:</p> <ul style="list-style-type: none"> Perform number operations. Decide the ordinal numbers as per the positions. Memorize number name up to 1500. | <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"> Analyze and solve word problems based on addition and subtraction. Tell and write correct ordinal numbers. Arrange numbers in ascending and descending order. Form greatest and smallest numbers. Integrate properties of addition |
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| | <p>L-2 ADDITION</p> <ul style="list-style-type: none"> • Addition of 2,3,4 digit numbers in ones, tens, hundreds and thousands place (with and without carrying) • Properties of Addition • Word problems <p>Multiplication tables 1 to 8</p> | <ul style="list-style-type: none"> • Solve problems by applying properties of addition. • Arrange vertically and solve them. • Add mentally and horizontally. • Understand and solve addition problems using a range of strategies use addition to solve word problems. | <ul style="list-style-type: none"> • Apply concepts in real life situations. | | |
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CONDUCTION OF E-1 ASSESSMENT ACTIVITIES

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| <p>JULY No. of workin g days - 21</p> | <p>L-2 ADDITION (Continuation)</p> <ul style="list-style-type: none"> • Word problems <p>L-3 SUBTRACTION</p> <ul style="list-style-type: none"> • Subtraction of 2,3,4 digit numbers in ones, tens, hundreds and | <ul style="list-style-type: none"> • Solve problems by applying properties of addition. • Understand and solve addition problems using a range of strategies use addition to solve word problems. • Subtract 2-digit numbers, 3-digit numbers and 4-digit numbers with and without | <p>KNOWLEDGE:</p> <ul style="list-style-type: none"> • Recall properties of addition • Brainstorming about the addition method using borrowing concept • Can do calculations in daily life events • Recall properties of subtraction • Compare minuend and subtrahend | <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"> • Analyze and solve word problems based on addition • Analyze the concept of subtraction. • Compare the 2-digit numbers. |
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| | <p>thousands place (with and without carrying)</p> <ul style="list-style-type: none"> • Properties of Subtraction • Word problems | <p>borrowing.</p> <ul style="list-style-type: none"> • Solve problems by applying properties of subtraction. • Subtraction of 4-digit numbers with borrowing in the ones, tens and hundreds place. • Subtract and check the solution. • Arrange vertically and subtract. • Use subtraction to solve word problems. • Use subtraction in real life situations | <ul style="list-style-type: none"> • Brainstorming about the subtraction method using borrowing concept • Understand the borrowing concept of subtraction. <p>SKILLS:</p> <ul style="list-style-type: none"> • Writing skill • Critical thinking skill • Number facility skill • Logical thinking <p>APPLICATION:</p> <ul style="list-style-type: none"> • Demonstration of the addition method. • Illustration of ordinal numbers through fun activity. • Illustrate properties of subtraction • Solve subtraction problems using borrowing. <p>UNDERSTANDING:</p> <ul style="list-style-type: none"> • Apply concepts in real life situations. • Apply subtraction in practical situations. | | |
| <p>AUGUST T No. of working days - 20</p> | <p>L-7 MEASUREMENT OF LENGTH</p> <ul style="list-style-type: none"> • Introduction of Standard and Non- Standard units • Conversion of units of length | <ul style="list-style-type: none"> • Use appropriate terms to compare metric measurements. • Measure the length of an object using a ruler. • Compare the length | <p>KNOWLEDGE:</p> <ul style="list-style-type: none"> • Recall the units of length • List the measuring units of in day to day life • Enhance the quality of things used to calculate length • Recall the 2, 3-D shapes. | <p>Numbers intelligence</p> <p>Intra personal intelligence</p> | <p>Students will be able to :</p> <ul style="list-style-type: none"> • convert units of length • Understand concept of length and its measure |

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| | <p>(metres & centimetres)</p> <ul style="list-style-type: none"> Addition and subtraction of “m” & “cm” <p>L-12 SHAPES</p> <ul style="list-style-type: none"> Identification of plane and solid shapes Multiplication tables 1 to 10 | <p>of two objects using metre and centimetres as the units.</p> <ul style="list-style-type: none"> Conversion of units of length. Addition and subtraction of metres and centimetres. Solve word problems based on metric measurements Identify 2-D and 3-D shapes and their features. Differentiate between plane and curved surfaces and figures. Differentiate between straight and curved lines. | <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"> Relate objects to measure with day to day life Explore more about units of measurement Explanation of 2,3-D shapes using real examples. Explanation of 2,3-D shapes and patterns using real examples <p>UNDERSTANDING:</p> <ul style="list-style-type: none"> Usage of devices used to measure length Apply measurement technique Enhance quality. Explain solid shapes and their features. Practical Based explanation | <p>Spatial intelligence</p> | <ul style="list-style-type: none"> Recall smaller units of length Identify different shapes and list their features. Understands 2-D and 3-D shapes Memorize tables up to 10 |
| <p>SEPTEMBER No. of working days – 05</p> | <p>L-13 PATTERNS</p> <ul style="list-style-type: none"> Picture pattern Numbers pattern <p>Multiplication tables 1 to 10</p> | <ul style="list-style-type: none"> Identify patterns in shapes, numbers, pictures and alphabets. Extend given patterns and create patterns from shapes, numbers and alphabets. Describe given patterns. | <p>KNOWLEDGE:</p> <ul style="list-style-type: none"> Memorize the patterns Enlist few numerical patterns <p>SKILLS: Reasoning skill</p> <ul style="list-style-type: none"> Critical thinking skill Problem solving skill Logical thinking | <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"> Observe the patterns and solve the same |

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| | | <ul style="list-style-type: none"> Learning of multiplication tables | <p>APPLICATION: Explanation of patterns using real examples</p> <p>UNDERSTANDING:</p> <ul style="list-style-type: none"> Practical Based explanation | | |
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CONDUCTION OF E-2 ASSESSMENT ACTIVITIES

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| <p>OCTOBER No. of working days - 19</p> | <p>L-4 MULTIPLICATION</p> <ul style="list-style-type: none"> Multiplying 3 digit number by 1 digit number Multiplication with carrying of 3 digit and 4 digit numbers Properties of multiplication Multiplication of 2 digit & 3 digit by 2 digit number | <ul style="list-style-type: none"> Understand the concept of multiplication and solve problems. Do multiplication of 2-digit number and 3 –digit number by a 1-digit number with and without regrouping. Multiply using repetitive addition. Solve the questions using properties of multiplication. Multiply by 10. Solve word problems related to daily life situations based on multiplication. | <p>KNOWLEDGE:</p> <ul style="list-style-type: none"> Recall multiplication property (Commutative and associative) Organize the numbers for multiplication Identify the numerator and denominator Classify types of fractions <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 Applying the concept of word problem solving Multiplication Enhance the calculation using the dodging tables. Knows about the partition | <p>Numbers intelligence</p> <p>Intra personal intelligence</p> <p>Spatial intelligence</p> | <ul style="list-style-type: none"> 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 Form fractions & will be able to fractionate things |
| | <p>L-6 FRACTIONAL NUMBERS</p> <ul style="list-style-type: none"> Fractions of one-fourth, half and one third | | | | |

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| | <ul style="list-style-type: none"> Numerator and Denominator | | <ul style="list-style-type: none"> Practical Based explanation <p>UNDERSTANDING:</p> <ul style="list-style-type: none"> Memorize properties of multiplication Explore more about fractions | | |
| <p>NOVEMBER No. of working days - 19</p> | <p>L-8 MEASUREMENT OF MASS</p> <ul style="list-style-type: none"> Comparing weight Conversion of kilograms and grams Addition & Subtraction of Kg and g Multiplication tables 1 to 12 | <ul style="list-style-type: none"> Observe and find out the weight of different objects in of two measuring units- the gram and the kilogram Compare the weights. Conversion of units of mass. Addition and subtraction of kilograms and grams. Solve word problems based on measurements of mass. | <p>KNOWLEDGE:</p> <ul style="list-style-type: none"> Recall the units of mass List the measuring units of in day to day life Enhance the quality of things used to calculate mass <p>SKILLS:</p> <ul style="list-style-type: none"> Problem Solving Skills Understanding skills Observation skills <p>APPLICATION:</p> <ul style="list-style-type: none"> Relate objects to measure with day to day life Explore more about units of measurement <p>UNDERSTANDING:</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. | <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"> convert units of mass Understand concept of mass Recall smaller units of mass |

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| | | | <ul style="list-style-type: none"> Use mathematical operations to solve word problems related to units of Mass. | | |
| DECEMBER No. of working days - 11 | L-10 MONEY <ul style="list-style-type: none"> Identification of currency Addition and subtraction of rupees and paisa Word problems Multiplication tables 1 to 12 | <ul style="list-style-type: none"> Combine notes and coins of different denominations to get an amount. Identify the relation between rupee and paisa. Add and subtract the different amounts of money (rupees and paise). Solve word problems involving money. Understand and identify money to solve day to day life problems. Add rupees and paise. List the number of days in different months. Draw the hands on the clock after understanding the concept of minute hand and hour hand. Read dates and days in a calendar. | KNOWLEDGE: <ul style="list-style-type: none"> Identify the relation between rupee and paisa List the uses of money in day to day life Enhance the steps of conversion of money Observe tally marks Identify the time conversion methods SKILLS: <ul style="list-style-type: none"> Practical Based explanation Introduction to time facts Relate money with day to day life Explore more about writing time APPLICATION: <ul style="list-style-type: none"> Usage of money concept. Apply money conversion methods. Relate concepts of reading data Co-relate the data with daily life UNDERSTANDING: <ul style="list-style-type: none"> Usage of money concept. Apply money conversion methods. | Numbers intelligence Intra personal intelligence Spatial intelligence | Students will be able to : <ul style="list-style-type: none"> Add time units Understand value of money Observe the patterns and solve the same Understand data representation |

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| | | <ul style="list-style-type: none"> • Identify the number of days in a regular year and a leap year. • Identify the sequence of seasons and the months of different seasons. • Show and tell the given time. • Use and understands the terms like half past, quarter past and quarter to intervals. • Record the given data in a table form. • Interpret the given data. • Readtables to find conclusions and predictions on them. | <ul style="list-style-type: none"> • Tell the daily life usage of time and money in our • Relating the data • Memorize multiplication tables up to 12 | | |
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CONDUCTION OF E-3 ASSESSMENT ACTIVITIES

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| JANUARY No. of working days - 16 | L-4 MULTIPLICATION (continuation) <ul style="list-style-type: none"> • Multiplication of 2 digit and 3 digit numbers | <ul style="list-style-type: none"> • Recall the concept of multiplication and solve problems. • Do multiplication of 2-digit number and 3 -digit number by a | KNOWLEDGE: <ul style="list-style-type: none"> • Recall the concept of multiplication and division • Identify the how the division is done | Numbers intelligence Intra personal intelligence | Students will be able to : <ul style="list-style-type: none"> • Divide one digit number with the two digit number |
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| | <p>by 2 digit numbers</p> <p>L-5 DIVISION</p> <ul style="list-style-type: none"> • Multiplication and division facts • Long division method • Properties of division • Long division with no remainder and with remainder • Division of 4 digit by one digit | <p>1 & 2-digit number with and without regrouping.</p> <ul style="list-style-type: none"> • Represent division as equal sharing and equal grouping for different objects • Use division as repeated subtraction • See the relationships of multiplication and division facts. • Do long division method to solve the sums and find out quotient. • Solve a division word problem • Understands the relation between dividend, quotient, divisor and remainder. • Do division of 2-digit number by 1-digit number with and without regrouping (remainder). • Do division of 4-digit number by 1-digit number with and without regrouping (remainder). | <ul style="list-style-type: none"> • List the uses of division in day to day life • Enhance the facts of division • Long division method <p>SKILLS:</p> <ul style="list-style-type: none"> • Reasoning skill • Critical thinking skill • Problem solving skill • Logical thinking <p>APPLICATION:</p> <ul style="list-style-type: none"> • Explanation of the concept using Multiplication properties. • Video based explanation • Applying the concept of word problem solving Multiplication • Enhance the calculation using the dodging tables. • Enhance the facts of division • Long division method • Introduction to division facts • Relate division with day to day life • Explore more about divisor dividend and remainder • Division word problems in subject <p>UNDERSTANDING:</p> <ul style="list-style-type: none"> • Practical Based explanation | <p>Spatial intelligence</p> | <ul style="list-style-type: none"> • Divide 3 digit number with 2 digit number • Understand the concept of division facts • Analyse and solve multiplication and division questions • Implement the same in day to day life |
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| | | | <ul style="list-style-type: none"> • Usage of division • Apply repeated subtraction • Tell the daily life usage | | |
| FEBRUARY No. of working days - 21 | <p>L-9 MEASUREMENT OF CAPACITY</p> <ul style="list-style-type: none"> • Comparing capacity • Conversion of litres and millilitres • Addition and Subtraction of litres and millilitres <p>L-11 TIME</p> <ul style="list-style-type: none"> • Time reading | <ul style="list-style-type: none"> • Observe and find out the capacity of containers in two measuring units- the millilitre and the litre. • Compare the capacity of the amount of liquid a container can hold. • Conversion of units of capacity. • Addition and subtraction of ml and litre. • Solve word problems based on measurement of capacity <ul style="list-style-type: none"> • List the number of days in different months. • Draw the hands on the clock after understanding the concept of minute hand and hour | <p>KNOWLEDGE:</p> <ul style="list-style-type: none"> • Understands the units of capacity • List the measuring units of in day to day life • Enhance the quality of things used to calculate capacity • Identify the time conversion methods <p>SKILLS:</p> <ul style="list-style-type: none"> • Reasoning skill • Critical thinking skill • Problem solving skill • Logical thinking <p>APPLICATION:</p> <ul style="list-style-type: none"> • Relate objects to measure with day to day life • Explore more about units of measurement • Explore more about writing time <p>UNDERSTANDING:</p> <ul style="list-style-type: none"> • Introduction to unit of capacity • Relate objects to measure with day to day life • Explore more about units of measurement | <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"> • convert units of capacity • Understand concept of capacity • Understand data representation |

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| | <p>L-14 DATA HANDLING</p> <ul style="list-style-type: none"> • Reading the table <p>Multiplication tables 1 to 15</p> | <p>hand.</p> <ul style="list-style-type: none"> • Read dates and days in a calendar. • Identify the number of days in a regular year and a leap year. • Identify the sequence of seasons and the months of different seasons. • Show and tell the given time. • Use and understands the terms like half past, quarter past and quarter to intervals. • Record the given data in a table form. • Interpret the given data. • Readtables to find conclusions and predictions on them. | | | |
| MARCH | CONDUCTION OF E-4 ASSESSMENT ACTIVITIES | | | | |