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**Month wise Course Outline – Session 2020 - 21**

**Class: Junior Montessori / KG I Subject: Mathematics**

**TEACHING AIDS:**

1. Write and Wipe
2. Kids Companion
3. Mathematics for Pre-School 1
4. Mathematics Exercise Book 1

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| **April** | Maths Work Book - 1 | 6-13 | Writing of 1 - 3 | * Acquire pencil control. * Match like with like. * Trace and write 1 – 3 * Read, recognise match numbers 1 – 3. | **Introduction of Two Through Play:**  Make card of 1 ,2 & 3 and arrange objects   * Bring students outside of the class in the play area. * Mix all the objects and cards and place the card and objects on the grass. * Select 1 student and ask bring the card of 2. He brings then tell other student bring 2 same objects. * Same as repeat with all students one by one. After play pack up all the material back. |
| Maths Exercise Copy 1 | 4-9 | Writing of 1 - 3 | - |

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| **July** | Maths Work Book - 1 | 14-21 | Shapes  Writing of 4-5 | * Introduce shapes * Count, write missing numbers. * Trace and write numbers 4-5 | **Introduction of 1 to 5 through game :**  Cards having numbers 1 to 5 . three sets  Explanation :  Take the student in play area .place the cards in different place and ask them one by one to go and find number 2 from the cards child will go and find the card of number 2 .  Note: Same like do with other children.  **Through poem introduce number 1 to 5**  Five little ducks went out to play  Over the hill and far away  mother duck said  quack, quack, quack  but only four little ducks came swimming back  four little ducks went ---------------  note : continue till one little duck |
| Maths Exercise Copy 1 | 10-21 | Writing  4-5  Exercises | - |

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| **August** | Maths Work Book - 1 | 22-35 | Shapes  Count match and write  Writing numbers  6 - 10 | * Recognise isolate single shape. * Learn counting 6 - 10. * Trace and write numbers 6 – 10 * Understand the concept of unit / ten. | **INTRODUCTION OF ‘6’ Through Art :**  M**ateria**l :  Paper having sketch of “TREE” ,glue , colours, cut “6” apple for each children .  Explanation :  Place the material on each table, ask children to colour the tree , after colouring children have to paste “6” apples on the tree .  **Introduction of “7”through story :**  **Material :**  Prepare flash cards/props related to story character  Explanation :  By showing the props deliver the story that “once upon a time “7” went to the market.”7”saw there were seven children sitting on “7” chairs “7” said will you be my friends. “7”children said yes, we all are friends and we all help each others.  **INTRODUCTION OF ‘8’ Through Art :**  Material :  Basket , balls “24 “  Explanation :  Arrange the material in play area .make group of of students depends on material quantity make three rows and place the ball in centre, arrange the children on starting point with basket and ask each child to collect “8” balls in the basket and go to the exit point . |
| Maths Exercise Copy 1 | 22-35 | - | - |

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| **September** | Maths Work Book - 1 | 36-46 | Count match and join dots  writing numbers 1 1 – 10  Exercises | * Count, match and join the corresponding objects. * Trace and write numbers 1 – 10 | **EXPLAIN ON BOARD:**   * Draw the objects with different colours chalk. * Invite the students and say count how many objects are there? * After reply write down the number in front of the objects   Same as invite the other students.  Note : make the child practice of different exercises through different exercises. |
| Maths Exercise Copy 1 | 30-47 | Writing  1 – 10  Exercises | - |

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| **October** | Reinforcement & Assessment |

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| **November** | Maths Work Book - 1 | 47-69 | Writing numbers  11 - 30 | * Trace and write numbers   11 - 30 | **INTRODUCTION OF UNIT & TENS THROUGH GAMES**  **Material:**  Paddle pop stick/beads, Drew up a template on a piece of paper with the column, with the heading of tens & unit  **Explanation:**  Place the material on the table and ask the child to count ten sticks with rubber band. Ask the child now it’s a bundle of ten. Place it on the paper in column ten now ask the child to count five sticks and place on the paper column unit then explain it 1 ten and 5 unit makes 15. Show the number cards of 1 and 5 and place 1 in the column of 10 and 5 in the column of unit.  **Note:**  Do this practice with different sums |
| Maths Exercise Copy 1 | 48-73 | Writing numbers  11 – 30  + Exercises | - |

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| **December** | Maths Work Book - 1 | 20-79  31-40 | Writing numbers  31 - 40 | * Learn counting 31-40 * Count, read, write, circle and match corresponding numbers * Understand and apply addition techniques. | **INDTRODUCE THROUGH ART**  **Material:**  Paper having sketch of trace, glue stick, cut oranges10 for each students, colours; green, brown  **Explanation:**  Place the material on the table and ask students to colour the tree and paste 10 oranges on tree. |
| Maths Exercise Copy 1 | 74-91 | - | - |

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| **January** | Maths Work Book - 1 | 80-91 | Writing numbers  41 - 50 | * Learn counting 41 – 50 * Count, read, write, circle and match corresponding numbers * Understand and apply addition techniques. | **INTRODUCTION OF UNIT & TENS THROUGH GAMES**  **Material:**  Paddle pop stick/beads, Drew up a template on a piece of paper with the column, with the heading of tens & unit  **Explanation:**  Place the material on the table and ask the child to count ten sticks with rubber band. Ask the child now it’s a bundle of ten. Place it on the paper in column ten now ask the child to count five sticks and place on the paper column unit then explain it 1 ten and 5 unit makes 15. Show the number cards of 1 and 5 and place 1 in the column of 10 and 5 in the column of unit.  **Note:**  Do this practice |
| Maths Exercise Copy 1 | 91-103 | - | - |

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| **February** | Maths Work Book - 1 | 92-108 | Addition +  Exercises | - | **INTRODUCTION OF ADDITION :**   * Arrange some beads / straws in 4 baskets place it one each tables. Ask the child that each Group will follow the same instruction, then say let First take out 5 straws and place on the top of the table. * Second say take out 3 straws and place it blow the 5 straws. * Then lets count altogether how many straws. * There are 8 straws altogether. * Do this practice with different objects. |
| Maths Exercise Copy 1 | 104-120 | Addition +  Revision Exercises | - |

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| **March** | Reinforcement & Assessment |