

**Activity:**

INTRODUCTION TO NUMERALS 1 – 10

**Subject:**

Spindle box

**Material:**

- 45 spindles, tray, Spindle boxes, Vinyl mat.

**Procedure:**

**NOTE:** The directress has to ensure the material is neat, adequate and in proper use.

- Invite the child to the activity.
- Take the child to the shelf and show him where the material is kept.
- The teacher will carry the spindle box and ask the child to carry the spindles in a tray to the working area where mat is already placed.
- The teacher places the spindle box on the mat and places the tray with spindle on the right side bottom of the mat.
- The directress introduces the material that the spindle box divided into different compartments and numbers are written in each compartment and these are the spindles and the tray.
- Introduce the activity as we are going to count the spindles and place them in their respective compartments.
- The directress traces the zero written on the spindle box and say that zero means nothing and we will not place any spindles in this compartment.
- The directress traces the next number and then asks the child can you tell me what number is this and then the child recognizes the number.
- Then the directress counts the spindles by picking it by right hand and then counting it in the left hand and keeping it in the compartment.
- Then the directress does it till 4 then asks the child to recognize the number and then count the spindles and keep it in the compartment.
- After placing all the spindles the directress ask the child to count it and check it but taking out the spindles from the compartments one by one and putting it in the tray.
- The directress places it the first three compartments and then ask the child to continue it.
- After child places back all the spindles the directress wind up the activity by saying today we have count the spindles and place them in their spindle box and the child is free to use the material.
- Wind up the activity appropriately.

**Control of error:**

- Correct counting.
- Correct placement of spindles in correct compartment.
- Correct number of spindles in the tray (45 spindles).

- Material itself is the control of error (the no's written on the spindle box serving as guidelines).

**Point of interest:**

- Counting of spindles in left hand for muscular perception of the quantity.
- Tracing the number '0' saying zero means nothing.
- Holding the spindles with dominant fingers of right hand while counting them.
- Checking in the end.

**Aims:**

- Introduction of zero for the first time to the child.
- First time introducing the loose quantity to the child to count.
- Muscular perception of the quantity.
- Association of loose quantity with the symbols.
- Number as guidelines (no fixed).
- Mathematical concept of sets and sorting, one to one correspondence, close ended relation are given to the child.
- Language development.