

# Lesson Plan: Exploring Numbers (Foundation Year) Mathematics



**Curriculum Code:** AC9MFN01

**Title:** Understanding and Using Numbers

**Duration:** 1 Hour

## Objectives:

1. Students will be able to count to and from 20.
2. Students will be able to identify and represent numbers using objects and drawings.
3. Students will begin to understand the concept of more, less, and equal.

## Materials Needed:

- Number cards (1-20)

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20

- Counting bears or other small objects



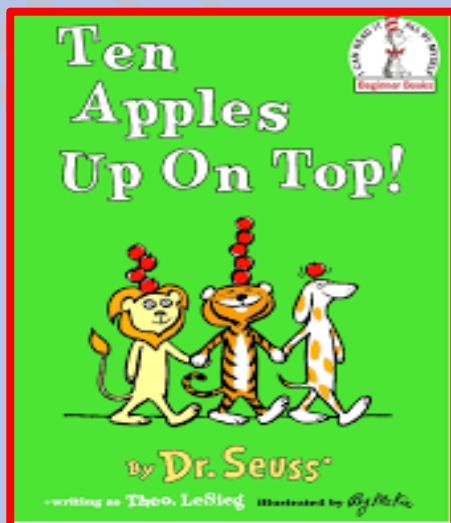
- Paper and crayons/markers



- Large chart paper or whiteboard



- Storybook related to numbers (e.g., "Ten Apples Up on Top!" by Dr. Seuss)



## **Introduction (10 minutes):**

### **1. Welcome and Warm-Up:**

- Greet the students and have them sit in a circle.
- Sing a counting song together (e.g., "Five Little Ducks" or "Ten in the Bed").



### **2. Story Time:**

- Read a storybook related to numbers to capture their interest and introduce the concept of counting.

## **Direct Instruction (15 minutes):**

### **1. Counting Together:**

- Use number cards to count from 1 to 20 as a group. Show each card one at a time and have the students say the number aloud.

### **2. Demonstration:**

- Use counting bears or other small objects to show the numbers 1 to 10. Place the objects in a line and count them together.
- Discuss what happens when you add one more object and what happens when you take one away.

## **Guided Practice (15 minutes):**

### **1. Number Hunt:**

- Hide number cards around the classroom. Have students find the cards and bring them to the front of the room.
- As each card is found, ask the student to identify the number and count out that many objects from a container of counting bears.

### **2. Drawing Numbers:**

- Give each student a piece of paper and crayons/markers.
- Ask them to draw a number (between 1 and 10) and represent it with objects (e.g., draw 5 apples for the number 5).

## **Independent Practice (10 minutes):**

### **1. Matching Game:**

- Set up a matching game with number cards and cards with a corresponding number of objects (e.g., a card with 3 stars for the number 3).
- Students work in pairs to match the numbers with the correct quantity of objects.

## **Conclusion (10 minutes):**

### **1. Review and Recap:**

- Gather students back in a circle and review the numbers 1 to 10.
- Ask students to share their drawings and explain the number they represented.

## 2. Exit Ticket:

- Give each student a small piece of paper and ask them to draw a number and represent it with objects as their exit ticket before leaving.

## Assessment:

- Observe students during guided and independent practice to assess their understanding of numbers and counting.
- Review students' drawings and exit tickets to ensure they can identify and represent numbers correctly.

## Differentiation:

- **For students who need extra support:** Provide additional practice with counting objects and identifying numbers.
- **For advanced students:** Introduce numbers 11-20 and challenge them to count and represent these numbers with objects.

**This lesson plan incorporates a variety of activities to keep students engaged while meeting the curriculum objectives for understanding and using numbers.**

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