**Chapter 1 Lesson 3: Adding with Number Rods & Colored Beads**

### Day 1: Sunday

#### Presentation (5 minutes):

* **Objective:** Introduce the concept of addition using number rods and colored beads.
* **Activity:**
  + Present the concept of addition with a PowerPoint presentation.
  + Demonstrate how to add two quantities using number rods and colored beads.
  + Explain the activities at each station and show examples of how to complete the tasks.

#### Materials:

* Number rods from 1 to 10.
* Colored beads representing numbers 1 to 10.
* Plus sign (+) and equal sign (=) cards.
* Number cards (1-10).
* Card set of colored beads and number rods.

#### Structure:

* **Introduction (5 minutes):**
  + Introduce the concept of addition and how it can be represented with number rods and colored beads.
  + Show examples of addition problems using these tools.
* **Workstation Rotations (35 minutes):**
  + **Station 1: Addition with Number Rods (No Numbers Provided)**
    - **Materials:** Number rods, plus sign (+) and equal sign (=) cards, number cards (1-10).
    - **Student Role:** Add two quantities using number rods and find the correct sum card.
    - **Teacher Role:** Assist with matching number rods to number cards and support students in finding the sum.
  + **Station 2: Addition with Colored Beads (No Numbers Provided)**
    - **Materials:** Colored beads, plus sign (+) and equal sign (=) cards, number cards (1-10).
    - **Student Role:** Add two quantities using colored bead bars and determine the sum.
    - **Teacher Role:** Guide students in matching bead bars to number cards and performing the addition.
  + **Station 3: Addition with Number Rods (No Manipulatives Provided)**
    - **Materials:** Number rods, plus sign (+) and equal sign (=) cards, number cards (1-10).
    - **Student Role:** Place number rods under provided number cards and solve the addition problems.
    - **Teacher Role:** Distribute number cards and support students in placing and adding the rods correctly.
  + **Station 4: Addition with Colored Beads (No Manipulatives Provided)**
    - **Materials:** Colored beads, plus sign (+) and equal sign (=) cards, number cards (1-10).
    - **Student Role:** Place colored bead bars under given number cards and solve addition problems.
    - **Teacher Role:** Assist with using bead bars to find sums and match them to number cards.
  + **Station 5: Addition with Card Sets of Beads and Number Rods**
    - **Materials:** Card sets of colored beads and number rods, addition operation cards.
    - **Student Role:** Use card sets to solve addition problems and find the correct sum card.
    - **Teacher Role:** Ensure understanding of how to use card sets and provide support as needed.
* **Turn-Taking:**
  + Students will rotate through stations every 7 minutes.
  + The teacher ensures smooth transitions and equitable participation.
* **Review & Wrap-Up (5 minutes):**
  + Brief discussion on the activities and what was learned about addition.

### Day 2: Monday

#### Presentation (5 minutes):

* **Objective:** Review addition concepts using number rods and colored beads.
* **Activity:**
  + Review addition techniques demonstrated in the previous lesson.
  + Practice addition with quick exercises using number rods and beads.

#### Materials:

* Number rods from 1 to 10.
* Colored beads representing numbers 1 to 10.
* Plus sign (+) and equal sign (=) cards.
* Number cards (1-10).

#### Structure:

* **Introduction (5 minutes):**
  + Quick review of addition concepts and tools used.
* **Workstation Rotations (35 minutes):**
  + **Station 1: Addition with Number Rods (No Numbers Provided)**
  + **Station 2: Addition with Colored Beads (No Numbers Provided)**
  + **Station 3: Addition with Number Rods (No Manipulatives Provided)**
  + **Station 4: Addition with Colored Beads (No Manipulatives Provided)**
  + **Station 5: Addition with Card Sets of Beads and Number Rods**
* **Turn-Taking:**
  + Students rotate through each station every 7 minutes.
  + The teacher ensures smooth transitions and equitable participation.
* **Review & Wrap-Up (5 minutes):**
  + Brief discussion on the addition exercises completed.

### Day 3: Tuesday

#### Presentation (5 minutes):

* **Objective:** Further reinforce addition skills with number rods and colored beads.
* **Activity:**
  + Reiterate addition concepts using visual aids.
  + Demonstrate addition with both number rods and colored beads.

#### Materials:

* Number rods from 1 to 10.
* Colored beads representing numbers 1 to 10.
* Plus sign (+) and equal sign (=) cards.
* Number cards (1-10).

#### Structure:

* **Introduction (5 minutes):**
  + Review addition concepts and demonstrate more complex addition problems.
* **Workstation Rotations (35 minutes):**
  + **Station 1: Addition with Number Rods (No Numbers Provided)**
  + **Station 2: Addition with Colored Beads (No Numbers Provided)**
  + **Station 3: Addition with Number Rods (No Manipulatives Provided)**
  + **Station 4: Addition with Colored Beads (No Manipulatives Provided)**
  + **Station 5: Addition with Card Sets of Beads and Number Rods**
* **Turn-Taking:**
  + Students rotate through each station every 7 minutes.
  + The teacher ensures smooth transitions and equitable participation.
* **Review & Wrap-Up (5 minutes):**
  + Brief discussion and feedback on the addition activities.

### Day 4: Wednesday

#### Presentation (5 minutes):

* **Objective:** Strengthen addition skills through practical applications and written exercises.
* **Activity:**
  + Review addition concepts with practical examples and exercises.
  + Explain the stations for the day, including the new student book activity, and demonstrate sample problems.

#### Materials:

* Number rods from 1 to 10.
* Colored beads representing numbers 1 to 10.
* Plus sign (+) and equal sign (=) cards.
* Number cards (1-10).
* *Mind Buzz Math Book* with addition exercises.
* Pencils.

#### Structure:

* **Introduction (5 minutes):**
  + Quick review of addition concepts with an emphasis on application.
  + Introduce the Mind Buzz Math Book and explain how it will be used for exercises.
* **Workstation Rotations (35 minutes):**
  + **Station 1: Addition with Number Rods (No Numbers Provided)**
    - **Materials:** Number rods, plus sign (+) and equal sign (=) cards, number cards (1-10).
    - **Objective:** Practice adding two quantities using number rods and identify the sum.
    - **Student Role:** Add quantities using number rods and find the correct sum card.
    - **Teacher Role:** Assist with matching number rods to number cards and support students in finding the sum.
  + **Station 2: Addition with Colored Beads (No Numbers Provided)**
    - **Materials:** Colored beads, plus sign (+) and equal sign (=) cards, number cards (1-10).
    - **Objective:** Add two quantities using colored bead bars and determine the sum.
    - **Student Role:** Use bead bars to find the sum and match it to the correct number card.
    - **Teacher Role:** Guide students in matching bead bars to number cards and performing the addition.
  + **Station 3: Addition with Number Rods (No Manipulatives Provided)**
    - **Materials:** Number rods, plus sign (+) and equal sign (=) cards, number cards (1-10).
    - **Objective:** Solve addition problems using number rods placed under provided number cards.
    - **Student Role:** Place number rods under given number cards and solve addition problems.
    - **Teacher Role:** Distribute number cards and support students in placing and adding the rods correctly.
  + **Station 4: Addition with Colored Beads (No Manipulatives Provided)**
    - **Materials:** Colored beads, plus sign (+) and equal sign (=) cards, number cards (1-10).
    - **Objective:** Solve addition problems using bead bars placed under provided number cards.
    - **Student Role:** Place bead bars under given number cards and solve the addition problems.
    - **Teacher Role:** Prepare materials and guide students in using bead bars to find sums.
  + **Station 5: Answering Questions in the Student Book**
    - **Materials:** *Mind Buzz Math Book*, pencils.
    - **Objective:** Reinforce addition understanding by completing written exercises in the student book.
    - **Student Role:** Complete exercises related to addition problems in the book.
    - **Teacher Role:** Distribute student books, provide instructions, and support students as they work. Review their work for accuracy and offer feedback.
* **Turn-Taking:**
  + Students rotate every 7 minutes.
  + The teacher ensures smooth transitions and equitable participation.
* **Review & Wrap-Up (5 minutes):**
  + Review the addition activities and discuss what was learned.
  + Address any questions about the student book exercises.

### Day 5: Thursday

#### Presentation (5 minutes):

* **Objective:** Assess understanding and retention of addition concepts through practical activities and written assessments.
* **Activity:**
  + Review addition skills with practical examples and quick oral exercises.
  + Introduce the student book activity for the day.

#### Materials:

* Number rods from 1 to 10.
* Colored beads representing numbers 1 to 10.
* Plus sign (+) and equal sign (=) cards.
* Number cards (1-10).
* *Mind Buzz Math Book* with addition exercises.
* Pencils.

#### Structure:

* **Introduction (5 minutes):**
  + Quick review of addition concepts with an emphasis on assessment.
  + Explain the activities for the day, including the use of the student book for assessment.
* **Workstation Rotations (35 minutes):**
  + **Station 1: Addition with Number Rods (No Numbers Provided)**
  + **Station 2: Addition with Colored Beads (No Numbers Provided)**
  + **Station 3: Addition with Number Rods (No Manipulatives Provided)**
  + **Station 4: Addition with Colored Beads (No Manipulatives Provided)**
  + **Station 5: Answering Questions in the Student Book**
    - **Materials:** *Mind Buzz Math Book*, pencils.
    - **Objective:** Reinforce addition skills by solving written addition problems.
    - **Student Role:** Work individually to complete addition exercises in the student book.
    - **Teacher Role:** Distribute student books, provide instructions, and support students as they work. Monitor progress, review work for accuracy, and offer immediate feedback.
* **Turn-Taking:**
  + Students rotate every 7 minutes.
  + The teacher ensures smooth transitions and equitable participation.
* **Review & Wrap-Up (5 minutes):**
  + Review the week's lessons and activities.
  + Conduct a brief quiz or fun group activity to assess understanding of addition concepts.
  + Discuss any areas for improvement and celebrate progress.