



# Fun with Numbers Lesson Plan with Kwik Stix

**Grade Level:** Kindergarten

**Subject:** Math

**Time:** 30-45 minutes

## Objectives:

- Students will be introduced to numbers, counting, and simple mathematical concepts
- Students will demonstrate proficiency in using Kwik Stix to recognize numbers and mathematical expressions
- Students will share what they have learned and repeat to the class to enforce memorization

## Materials:

- Kwik Stix Solid Tempera Paint sticks
- Chart paper
- Number flashcards
- Dice
- Counting manipulatives (buttons, small toys)

## Procedure:

1. Introduction (5 minutes): Start the lesson by introducing the concept of numbers. Show Kwik Stix and explain how they will be used in today's lesson. Ask the students to share what they already know about numbers in a brief discussion.
2. Number Recognition (10 minutes): Show a number flashcard to the class and ask students to identify the number. Choose a volunteer to come up and trace the number using Kwik Stix. Repeat this process for a few more numbers, involving different students each time.
3. Counting Practice (10 minutes): Distribute dice to each student or groups of students. Have students take turns rolling the dice and counting the number of dots. Each student should represent the number they rolled on their own paper using Kwik Stix as well as saying out loud which number it is.
4. Hands-on Activities (10 minutes): Provide each student with a small amount of counting manipulatives (buttons, small toys). Ask students to count out a specific number of objects and place them onto paper. Ask the students to represent the number using Kwik Stix and label it.
5. Wrap-up and Review (5 minutes): Gather students to review the numbers they have learned. Encourage students to share their drawings and explain the numbers. Summarize key concepts covered in the lesson to reinforce what they have learned.

## Evaluation:

- Formatively assess students' understanding of simple mathematical concepts.
- Check for proficiency in using the Kwik Stix.
- Assess students' comprehension of counting numbers and ability to participate in class.



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## Learning Standards Addressed:

### Activity 1 - Number Recognition:

- Mathematics: Counting and Cardinality (CC)
  - CC.K.CC.A.3: Write numbers from 0 to 20. Represent a number of objects with a written numeral 0-20 (with 0 representing a count of no objects).

### Activity 2 - Number Tracing with Kwik Stix:

- Mathematics: Counting and Cardinality (CC)
  - CC.K.CC.A.3: Write numbers from 0 to 20. Represent a number of objects with a written numeral 0-20 (with 0 representing a count of no objects).
- English Language Arts: Writing (W)
  - W.K.5: With guidance and support from adults, respond to questions and suggestions from peers and add details to strengthen writing as needed.

### Activity 3 - Creative Number Art:

- Mathematics: Counting and Cardinality (CC)
  - CC.K.CC.A.3: Write numbers from 0 to 20. Represent a number of objects with a written numeral 0-20 (with 0 representing a count of no objects).
- English Language Arts: Speaking and Listening (SL)
  - SL.K.2: Confirm understanding of a text read aloud or information presented orally or through other media by asking and answering questions about key details and requesting clarification if something is not understood.
  - SL.K.5: Add drawings or other visual displays to descriptions as desired to provide additional detail.
- Visual Arts: Creating (Cr)
  - VA:Cr1.1.Ka: Use observation and investigation in preparation for making a work of art.
  - VA:Cr2.1.Ka: Explore uses of materials and tools to create works of art or design.

*This lesson plan integrates math, language arts, and creativity, aligning with the developmental needs and learning standards for kindergarten students. Keep in mind that learning standards can vary by state or educational jurisdiction, so it's a good idea to cross-reference this lesson plan with your specific standards to ensure full alignment.*