

Preservice Teacher: Melissa Bay

School: GFLC: Ida Sue

Subject: Mathematics

Grade: Preschool

Date: Wednesday, March 19, 2008

**Unit: St. Patrick's Day/ Rainbows**

**Topic: Graphing Our Favorite Colors of the Rainbow**

### **Content of Lesson**

1) Knowledge: (Major concepts addressed in the lesson)

Students will know:

- How to create a graph about a topic of interest (favorite color) as a class

2) Skills: (What specific skills will be developed in this lesson?)

- Use listening skills and follow directions.
- Students will be able to state and identify their favorite color and then place it on the graph.

3) Instructional Objectives: (Performance activities addressed in the lesson)

Students are already familiar with the colors of the rainbow. Students will use their knowledge of these colors and their personal preferences in order to choose their favorite color. They will know how to place their favorite color on the graph for the rest of the class to see. They will demonstrate this knowledge by participating as we analyze the graph as a class.

4) Ohio Content Standards:

#### **Number and Number Sense**

1. Count to 10 in the context of daily activities and play e.g., number songs).
2. Touch objects and say the number names when counting in the context of daily activities and play  
(e.g., cookies on a plate, steps on a set of stairs).

#### **Data Collection**

2. Place information or objects in a floor or table graph according to one attribute (e.g., size, color, shape or quantity).

#### **Statistical Methods**

3. Select the category or categories that have the most or fewest objects in a floor or table graph (e.g., favorite ice cream).

## Process of the Lesson

1. Anticipatory Set/Motivation: (What you will use and do to begin the lesson.)

I will ask the students if they have ever seen a rainbow after it has rained outside. We will then review the colors of the rainbow orally as a class. As we say each color's name, I will lay the paper tiles of that color in a pile on the floor in front of me.
2. Activities and Procedures: (Fully detailed including instructions for procedures)

I will at this point in the lesson ask students to raise their hand if they have a favorite color. I will tell them that I have a favorite color too and tell them that today we will be making a graph of our favorite colors.

I will start by showing the class the graph and explaining that this graph has a row that shows which color we are looking at and a column that tells us "how many" are in each color. I will then model the process I would like them to follow. I will ask a student volunteer to hold the graph while I place my favorite color on the board. I will say that my favorite color is red and then pick up a red tile from the red pile. I will get a piece of tape, place it on the back of the tile, and then place the red tile on the board above the color red.

I will then start with the student who is to my left at the beginning of the circle. I will ask this student what their favorite color is. I will then have the student come up and pick the color they said from one of the colors I have laid in front of me. I will give them a piece of tape for the back of their tile and have them place their tile above its matching color on the graph.

We will continue this process for every student in the class. If there is adequate time, we will ask any other adults in the room (Miss Amy, Miss Maggie, etc.) what their favorite color is so that we can add it to the chart.

I will then focus all the students' attention to our completed graph and tell them that this is a graph of our favorite colors.
3. Closure: (Final Activity)

As a closing activity, I will ask the class questions about our graph. I will ask which color had the most people pick it as their favorite. I will then have a student volunteer come up to the graph and count the colors in that column. I will reiterate their answer by saying that *this color* had the most people pick it as their favorite, it had *this many* people pick it.

We will repeat this process for the least picked color.
4. Follow-Up/ Related Activities: (across the curriculum)

Students will be doing a lot of activities this week related to St. Patrick's Day and as a result pots of gold and rainbows. They will be making their own rainbows on paper by gluing fruit loops down in colored bands.

## **Facilitation of the Lesson**

1. Classroom Management: (What special changes and student discipline are necessary to implement this lesson?)

Students will need to sit in the area that we use for circle time during this lesson.

2. Materials: (What instructional materials and equipment are needed?)

- “Our Favorite Colors” Chart for graphing
- Colored paper tiles for students to place on the graph
- Tape to stick the colored tiles to the graph

3. Individualization/Diversity: (Provisions which will be made for diverse learners and/or special needs students.)

This particular preschool class has about 8 special needs students and 4 typical students. The students with special needs are often given additional help by their teacher, teacher aide, and other adult helpers in room. I will have a sheet with colors for them to point to in order to indicate their color choice. I will ask another student to help the students who cannot do this to come up and place their color on the graph for them. I will also try to incorporate the signs in American Sign Language for the colors we discuss.