



Name: Candace Collins

Grade Level/Subject: 4th Grade Math

Topic: Graphing with paper and computer

Objective: Standard 5: Data Analysis and Probability- The student will demonstrate an understanding of data collection, display and interpretation.

Materials:

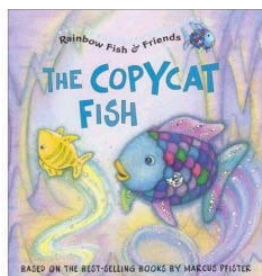
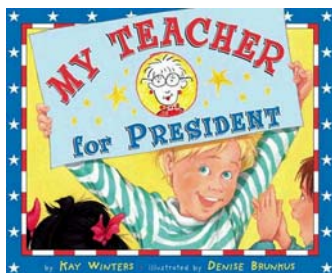
The Copycat Fish by Gail Donovan, Scholastic, ISBN: 1-59014-027-3

My Teacher for President by Kay Winters, Scholastic, ISBN:0-439-70246-1

Graphing Paper

Colored Pencils

Computer with Excel



Introduction: I will read The Copycat Fish to the students. I will then explain to the students that we are going to graph the color of scales Rainbow Fish has on the last page. I will also explain the relevance of bar graphs. I will explain that they use bar graphs so that they can see the outcome with just a glance instead of having to count the tally marks each time. I will explain that bar graphs are used a lot in businesses.

Instructional Process: First we will list all the colors of scales. Then we will use tally marks to tally up how many scales for each color. We will then use the information to make bar graphs. First I will explain what a x and y axis is. Then, I

will explain to the students that they must have a title for their graph and also label their x and y axis. After we are finished graphing the colors on the graph paper, we will make a graph using Excel. I will walk the students through each step of the graphing process.

Closure: For closure, I will read My Teacher for President. I will then assign the students to poll 5-10 students to find out which teacher or administrator they would vote for President. I would explain to the students to keep a tally of their votes and bring them to class tomorrow.

Assessment: I would walk around monitoring the students while they were making their graphs. I would grade their completed graphs.

Modifications: IEP/ESL: Because of my small class size, I am able to give provide additional help to my students. I just gave a little more attention to my IEP student. If I was doing this in a bigger class, I would probably do partners.

Reflection: The students loved graphing!! They really got into it and especially loved graphing on the computer. The first computer graph was in blue and gray and they did not like that very much. They wanted it in color like the graphs they made on paper. I then had to go back to my computer and figure out how to make each column a different color. Once I figured it out, we went back to the computer lab and made new graphs, this time in color! I did run into some problems while doing this. The students wrote the colors to big on the x axis and then they ran out of room. We had to start over and write our colors vertically. They also had trouble understanding that they need to write the numbers for the y axis on each line, not between the lines. Once we got through the initial graph, it was downhill from there. The students can't wait until tomorrow!!!