

1. Designed by: Cindy Page **School:** Burton-Pack Elementary

Lesson/Unit Title: Dealing With Data

 X **Lesson** **Unit**

Core Curriculum Objective(s): Use appropriate graphs, tables, charts, and lists to organize all possible outcomes of an experiment. (7SP1-3)

Construct real and/or interpret data from frequency tables, multiple bar graphs, circle graphs, pictographs, histograms, **line plots, stem and leaf plots, box and whisker plots,** and scattergrams. (7SP1-4) (Boldface print indicates focus of the lesson)

Grade Level: 7

Subject(s): Math

2. Overview: Students will create double bar graphs using data collected in the classroom. Students will also create human stem and leaf plots, line plots, and box and whisker plots based on weather data found in the newspaper. They will also create the visual graphs of these plots. In addition to the weather data, students will collect, record, and analyze data collected by the class to create a box and whisker plot.

3. Focus/Essential Question(s): What are some different types of graphs we can create with data? What is a double bar graph and how is it created? What is a stem and leaf plot? What are box and whisker plots? How do we create them?

4. Time Frame: Five one-hour class periods

4. Resources/Materials:

- Pennies
- Eye droppers
- Paper towels
- Computers with Internet access
- Graph paper
- Markers or crayons
- Pencils
- Overhead or board
- Overhead pens or chalk
- Overhead graph paper
- Copies of graphs from newspapers, magazines, textbooks, etc.
- Sticky notes (two different colors)
- Copies of the weather section from newspaper (The State)