

**Title:** Compare and Chart the Adventure's Temperature Vs. Local Temperature

**Subject:** Mathematics

**Grade Level:** Late Elementary (4-6)

**Time:** 10-15 minutes each Expedition Update

**Objective:**

Students will demonstrate and apply a knowledge and sense of numbers, patterns, and sequential order. Students will compute and estimate using mental mathematics, paper-and-pencil methods, and computers

**Method:**

Analyze today's weather data from the "Notes from the Trail." Gather today's temperature for you home location (See Resources). Have students draw a table that will record the day's temperatures for both the adventure and your home location (See Resources). Continue this throughout the adventure to chart how the adventure's temperature fluctuates in relation to your home temperatures. Come up with a comparison chart to monitor the clothing worn by the students on that day vs. the clothing worn by the adventurers.

**Illinois State Goals and Learning Standard(s):**

**10.A.2a** Organize and display data using pictures, tallies, tables, charts, bar graphs, line graphs, line plots and stem-and-left graphs.

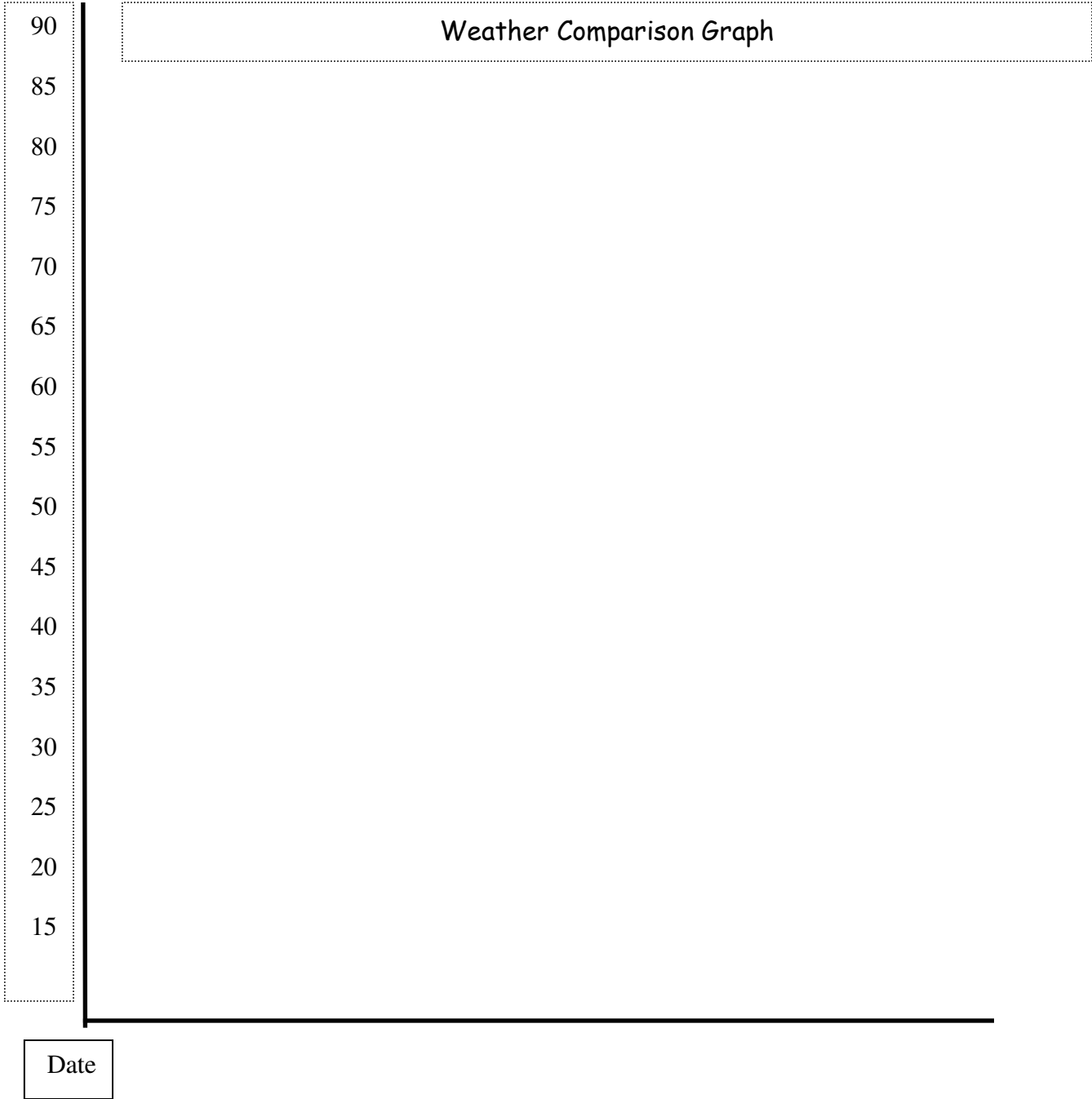
**10.A.2b** Using a data set, determine mean, median, mode and range with and without the use of technology.

**10.A.2c** Make predictions and decisions based on data and communicate their reasoning.

**10.B.2b** Collect, organize and display data using tables, charts, bar graphs and line graphs.

**10.B.2c** Analyze the data using mean, median, mode and range, as appropriately, with or without the use of technology.

**Resources:** Use [www.weather.com](http://www.weather.com) as your resource for finding out local temperature. Use a table similar to the one below to record your temperature data



COLOR KEY

Wilderness Classroom Temp.	
Home Temp.	

