**K-5 Data Table and Graph Format**

**Data Tables:**

Regardless of how many changes we ask them to make to their variables if we can keep the data table formats similar it will help later in middle/high school.

The **independent** variable (the one we are changing/testing) goes on the **left** and the **dependent** variable (the one we are measuring) goes on the **right**.

**Problem: How does the height of the ramp affect the distance the car travels?**

**Independent Variable** (what we’re testing/changing)

**Dependent Variable** (what we’re measuring)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Height of the Ramp (inches) | Distance the Car Travels (inches) | | | |
| Trial 1 | Trial 2 | Trial 3 | Averages |
| 2 inches |  |  |  |  |
| 4 inches |  |  |  |  |
| 6 inches |  |  |  |  |

**Problem: What is the weather like today?**

**Independent Variable** (what we’re testing/changing) **Dependent Variable** (what we’re measuring)

|  |  |
| --- | --- |
| Day of the Week | Weather |
| Monday | Cloudy |
| Tuesday | Sunny |
|  |  |

**Graphs:**

There are lots of different data representations we can do but for the most part the traditional bar/line graph will have the independent variable on the x-axis and the dependent variable on the y-axis. All graphs should have a title, the x/y axis should be labeled with what was tested, measured and any units that apply. The key usually goes along the side.