**Aly Grimes – Learning Circus**

**Learning Stations – 5th grade – Data Probability and Statistics**

**Station 2 – Ornaments on the Tree**

**What do students do:** Students will be paired with a partner for this activity. Each student will be given a record sheet with a Christmas tree on the top. This tree is decorated with different color Christmas ornaments. Each student will record how many ornaments of each color in the spaces provided on the sheet. After each student has done their recording they will compare their results. They should have the same recordings. Next, they will go the Ipad and create a graph on the website that is pulled up for them. They will have to determine how many elements they need on the x axis and y axis. They will also give their graph a title. Once they have plugged in the necessary information; they will click the create option to see the graph they have created. They will analyze their graph to see if it accurately represents the data they collected.

**What do students learn:** Students will learn how to collect and record data; Depict their data in a graph, and analyze the data they collected.

**What do students produce:** Students will produce a graph of the data they collected by using a website that will be pulled up for them on the Ipad.

**Differentiation:** This is an activity that incorporates technology. If students are having trouble with the numbers they can be given a tree with less ornaments. Students who are having trouble with the technology aspect can ask their partner questions. Another option would be for the teacher to help the students plug the information into the graph generator.

**References:**

NCES kids website, this will be pulled up on the Ipad for students to create their graph.

<http://nces.ed.gov/nceskids/createagraph/default.aspx>