

## Measurement and Data Mini-Lesson

**Grade Level:**

**Curriculum Topic:** Measurement and Data

AR.Math.Content.5.MD.B.2—Make a *line plot* to display a data set of measurements in *fractions* of a unit.

AR.Math.Content.5.MD.B.2—Use operations on *fractions* for this grade to solve problems involving information presented in *line plots*.

**Tools:** Bee-Bot and Excel

**Synopsis:** Students will be placed into groups of 4 or 5. Each group will be given a different scenario. One of the scenarios will be about rainfall comparisons, one will be about the amount of days it has snowed that year in Arkansas compared to other states, and one will be about the competition going on with collecting canned goods between their homerooms. Students will input the data into a chart and a graph using excel. There isn't a ton of information for each group so it won't take them too long. Once it's all in spreadsheet, they will code bee-bot to go to the points of comparison. Every point that bee-bot stops on, students will be instructed to put a button there. Once all of the points are plotted, students will put yarn through each other buttons so that it represents a line graph and they can really see the comparison. Once each group is finished with their scenario, they rotate to another scenario. Students will leave their work so that they can all compare their differences at the end of the class.