

Data Activity

Last month, groups collected data at the constructed wetland. However, when we left, the data was in a raw state. Your job today, is to make sense of the data.

1. Look at the first set of data (Gallons/meter/day). Reflecting on all the different types of graphs we studied Friday night/Saturday morning, which graph would represent the data best? Think about:
 - a. Are we going to display all 6 sets of data?
 - b. Should we use an average?
 - c. If we do use an average, which should we use; mean, median, mode?
2. Draw your graph. You are welcome to use the poster paper, copier paper, crayons, markers, technology, etc.
3. Analyze your data.
 - a. What trends did you see?
 - b. What does the data tell you?
 - c. What do you need to consider when constructing your own wetland?
4. Repeat for the remaining 3 sets of data.
5. Reflect.
 - a. Did you choose the same type of graph for all 4 sets of data? Why or why not?
 - b. How would you adapt this for your class?
6. Share out. As a group, share:
 - a. Why did you choose those types of graphs?
 - b. Why did you choose to graph all the points of data or only the averages?
 - c. What did the data tell you?
 - d. How could you use an activity like this in your classroom?