

Using Nature to Meet Educational Standards

MATH **First Grade**

Activity #1:

Materials: tape measure, piece of paper, pencil/pen

Divide into groups of 2. Each group should get a tape measure. Head out to the outdoor classroom or school grounds. Practice measuring things using the tape measure. Make measurements in both inches and centimeters.

Record your findings on a piece of paper.

Activity #2:

Using the data from Activity #1, make three charts: Items under 6 inches, items 6-18 inches, and items over 18 inches.

Create a bar graph using the data from your charts.

IDEA: Think of other measurements in the outdoor classroom or school grounds that you could make... number of plants with flowers vs. the number of plants without flowers.... number of plants found in the rain garden vs. plants found in the vegetable garden area.... etc.

Activity #2:

Materials: piece of paper, pencil/pen, markers/crayons

Using the data you collected from the "First Grade Science Activity," make a chart of your findings. Then, make a pictograph representing each of the different creatures you found in the soil.

Try making a bar graph, too.