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Elementary Math Methods

Data Lesson Plan – Grade 3

12/2/12

**Kids Have Pets**

**Standard:**

3.4.1.1 Collect, display and interpret data using frequency tables, bar graphs, picture graphs and number line plots having a variety of scales. Use appropriate titles, labels and units.

**Launch**

I have a dog that is a Golden Retriever. His name is Duke and he loves to play and be around people. My friend has a cat named Squeaker. Squeaker likes to stay inside. These animals are pets. Do you have any pets? I want to know what kind of pets everyone has, so I will need your help.

**Explore**

Have a chart ready on the blackboard that has the rows (dogs, cats, birds, turtles, fish, and snakes, etc.) and a column for how many of each animal.

* Ask students if they have a pet dog and tally the number of dogs on the chart. Continue this process for each animal.
* Build a bar graph for the students to organize the data and have a visible representation of the data collected.
* Use the Illuminations Link to show how to graph the information
* Ask students where the title, which pet the students have the most and least of, what the information on the side and bottom of the graph is, and what the numbers represent.
* Ask questions about the graph. Ex. How many kids have either a dog or a cat?
* If one of the pets is empty with no bar, ask students why there is no bar for that animal.

**Wrap Up**

Thank you for helping me find out how many different kinds of pets each of you has, and how many students have the same pets. Tomorrow we will continue working with bar graphs to organize other kinds of information.

**Resources**

Lesson Plan adapted from:

<http://www.beaconlearningcenter.com/WebLessons/KidsHavePets/default.htm>

Illuminations-Graphing Activity

<http://illuminations.nctm.org/ActivityDetail.aspx?ID=204>