Dear Parents,
We will begin our next unit of study in math soon. The information below will serve as an overview of the unit as you work to support your child at home. If you have any questions, please feel free to contact me. I appreciate your on-going support.
Sincerely,
Your Child's Teacher

Unit Name:
Graphing

Common Core State Standards:

2.MD.9 Generate measurement data by measuring lengths of several objects to the nearest whole unit, or by making repeated measurements of the same object. Show the measurements by making a line plot, where the horizontal scale is marked off in whole-number units.
2.MD.10 Draw a picture graph and a bar graph (with single-unit scale) to represent a data set with up to four categories. Solve simple put-together, take-apart, and compare problems, using information presented in a bar graph.

Essential Vocabulary:

- collect
- organize
- display
- show
- data
- attribute
- sort
- line plot
- picture
- graph
- bar graph
- question
- category
- chart
- table
- most
- least
- more than
- less than
- about
- same
- different
- measure
- inch
- foot
- yard
- centimeter
- meter
- length

Unit Overview:

Second Graders use measurement data as they move through the statistical process of posing a question, collecting data, analyzing data, creating representations, and interpreting the results. In second grade, students represent the length of several objects by making a line plot. Students should round their lengths to the nearest whole unit. After posing a question, Second Graders determine up to 4 categories of possible responses. This is an extension from first grade when students organized, represented, and interpreted data with up to three categories. They are able to use the graph selected to note particular aspects of the data collected, including the total number of responses, which category had the most/least responses, and interesting differences/similarities between the four categories. They then solve simple one-step problems using the information from the graph.

Strategies/Skills:

Students will display their data by creating charts and tables, line plots, bar graphs, and picture graphs.

Video Support:

No videos are referenced for this unit.

Additional Resources:

If you have limited/no internet access, please contact your child's teacher for hard copies of the resources listed in this document.

- NCDPI Unpacking Document: 2nd Grade Unpacking Document
- Please visit the Kahn Academy website at www.khanacademy.org for additional videos and activities. Look under the *Early Math* tab.

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- Please visit the Learn Zillion website at www.learnzillion.com to find 2nd Grade math lessons and videos that align with Common Core Standards.