

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:

3.MD.3 Draw a scaled picture graph and a scaled bar graph to represent a data set with several categories. Solve one- and two-step “how many more” and “how many less” problems using information presented in scaled bar graphs.

3.MD.4 Generate measurement data by measuring lengths using rulers marked with halves and fourths of an inch. Show the data by making a line plot, where the horizontal scale is marked off in appropriate units— whole numbers, halves, or quarters.

Essential Vocabulary:

- Axes
- Horizontal Axis
- Horizontal Bar Graph
- Scale
- Scale Label
- Vertical Axis
- Vertical Bar Graph
- Title
- Pictograph
- Categories Category Label
- Key
- Data
- Scale Label
- Line plots

Unit Overview:

The students will have many opportunities to work with graphs. Multiplication and division strategies will be used to tally up the data contained in different graphs. Students will ask questions, collect, analyze and interpret data with data that has a connection to their lives. The students will work with both vertical and horizontal bar graphs as well as line plots. Using metric and customary U.S. measuring systems will be built upon from second grade.

Strategies/Skills:

- Using the ruler
- Reading half and quarter on ruler and /or number line
- Number Line to show fractions
- Line Plots

Video Support:

Video support can be found on Learn Zillion

- <https://learnzillion.com/lessons/3102-identify-questions-that-can-be-answered-using-graphs>
- <https://learnzillion.com/lessons/3180-answer-onestep-questions-about-a-bar-graph-by-drawing>
- <https://learnzillion.com/lessons/3195-answer-twostep-story-problems-about-a-bar-graph-by-drawing>
- <https://learnzillion.com/lessons/2612-creating-and-reading-a-ruler-to-measure-objects-to-the-nearest-quarter-inch>
- <https://learnzillion.com/lessons/2773-measure-an-object-to-the-nearest-quarter-inch-using-a-ruler>
- <https://learnzillion.com/lessons/2668-display-data-in-fractional-amounts-by-creating-a-line-plot>
- <https://learnzillion.com/lessons/2683-collect-and-show-data-on-a-line-plot>

Additional Resources:

Wake County Public Schools, Unit Overview for Parents

This document should not replace on-going communication between teachers & parents.

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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: [3rd Grade Unpacking Document](#)