

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: Measurement

Common Core State Standards:

3.MD.2 Measure and estimate liquid volumes and masses of objects using standard units of grams (g) kilograms (kg) and liters (l). Add, subtract, multiply, or divide to solve one step word problems involving masses or volumes that are given in the same units, e.g. by using drawing (such as a beaker with measurement scale) to represent the problem.

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, and quarters.

Essential Vocabulary:

- Estimate
- Liter
- Capacity
- Gram
- Kilogram
- Liter
- Capacity
- Inch
- Foot
- Line Plot

Unit Overview:

In this unit the students will use different containers (liter, $\frac{1}{2}$ liter, and 250 mL). The students will compare different liquid measurements in the different containers. Balances will be used to compare real life objects such as pencils and erasers to 1, 5 and 10 gram cubes. The students will use rulers to measure to the whole, half and fourth. Line plots will be used when gathering measuring data. All four operations (add, subtract, multiply and divide) will be used to solve story problems about measurement.

Strategies/Skills:

- Balance
- Ruler

Video Support:

Video support can be found on Learn Zillion

- <https://learnzillion.com/>
 - [understand-volume-and-how-volume-is-measured](#)
 - [measure-volume-in-liters](#)
 - [understand-mass-and-how-mass-is-measured](#)
 - [solve-word-problems-about-mass-by-adding-and-subtracting-on-a-number-line](#)
 - [solve-word-problems-about-volume-by-adding-and-subtracting-on-a-number-line](#)
 - [solve-multiplication-and-division-word-problems-about-mass-by-drawing-pictures](#)
 - [solve-multiplication-and-division-word-problems-about-volume-by-drawing-pictures](#)
 - [creating-and-reading-a-ruler-to-measure-objects-to-the-nearest-quarter-inch](#)
 - [measure-an-object-to-the-nearest-quarter-inch-using-a-ruler](#)

Wake County Public Schools, Unit Overview for Parents

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

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- [display-data-in-fractional-amounts-by-creating-a-line-plot](#)
- [collect-and-show-data-on-a-line-plot](#)

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: [3rd Grade Unpacking Document](#)