5ᵗʰ Grade Math

Dear Parents/Families,

 In your student's math class, the upcoming course of study deals with Volume. Your child will develop an understanding of volume by recognizing volume as an attribute of a three-dimensional shape.

In fourth grade, students solved word problems involving liquid volumes, and learned how to multiply whole numbers by using place value understanding.

By the end of this course of study, the following statements describe what your student will be able to do:

- I can understand volume. 5.MD.3
- I can measure volume by counting unit cubes. 5.MD.4
- I can solve real world problems involving volume. 5.MD.5
- I can find the volume of an object using the formulas $V = l \times w \times h$ and $V = b \times h$. 5.MD.5

Next year in sixth grade, students will be finding volumes of prisms with fractional edge lengths and applying the volume formulas in the context of real world problems.

Vocabulary terms important to this course of study:
        Unit cube (as a manipulative), volume, cubic unit, right rectangular prism, area, gap, overlap, solid figure, attribute, edge lengths.

Additionally, the back of this paper has the IXL standards that can be practiced at home that correlate with this cluster.

If you have any questions about this new topic of study, please don't hesitate to contact a grade level teacher or our math coach. Thank you!

Sincerely,

Miss Owen, Mrs. Reilley and Mrs. Rogers

Volume

5th Grade Math

<u>IXL Strands to Practice for Volume</u>

5.MD.3

- [Volume of rectangular prisms made of unit cubes (Fifth grade - Z.23)](#)

- [Volume of rectangular prisms made of unit cubes (Fifth grade - Z.23)](#)

5.MD.4

- [Volume of rectangular prisms made of unit cubes (Fifth grade - Z.23)](#)

5.MD.5

- [Volume of rectangular prisms made of unit cubes (Fifth grade - Z.23)](#)

- [Volume of cubes and rectangular prisms (Fifth grade - Z.25)](#)

- [Volume of cubes and rectangular prisms (Fifth grade - Z.25)](#)

- [Volume of irregular figures made of unit cubes (Fifth grade - Z.24)](#)

Volume