**Unit 4 : Volume**



5th grade

Caesar Rodney School District 2013-2014

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***Unit Vocabulary :***

area attribute

dimension figure height length

measure three-dimensional

two-dimensional plane

relationship solid

strategies tools

units volume

***Essential Skills:***

* Identify characteristics of three-dimensional figures.
* Explain volume as an attribute of three dimensional figures.
* Measure the volume of three dimensional figures.
* Identify the relationship between area and volume.
* Apply measuring volume to solve real-life problems.
* Explain strategies, tools and units used when measuring volume

***Unit Summary :***

Students will build a deeper understanding of three-dimensional figures. They will recognize and apply volume as an attribute of 3D figures. In doing so, they will develop understanding for measuring volume as filling a space within a three dimensional figure without gaps or overlaps. Through exploration and investigation students will select appropriate measurement units, strategies and tools for solving problems involving volume. Additionally, they will build and break apart figures and view rectangular prisms as layers of arrays of cubes. By applying understanding of finding area of two-dimensional figures, students will identify the relationship between area and volume.

***Additional Resources :***

* ***Online Volume lesson vides from LearnZillion :*** [***http://learnzillion.com/lessons/1264-find-volume-by-counting-cubes***](http://learnzillion.com/lessons/1264-find-volume-by-counting-cubes)

 ***Characteristics of a 3D shape***

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