Name: Schimmel, Gagnon, Moon	Qtr: 2	Week Beginning: Week 11/06/2023-11/10/2023
School Year: 2023-2024	Subject: 5 <sup>th</sup> Grade Math	

Notes:

Objective:

# **Content:**

- Students determine the volume of a rectangular prism by couniting unit cubes.
- Students determine the volume of a rectangular prism by multiplying the number of unit cubes in one layer by the number of layers.
- Students determine the volume of rectangular prisms using formulas.
- Students determine the volume of composite solid figures.
- Students apply the volume formulas to solve real-world problems involving rectangular prisms.

# Language:

- Students discuss how to determine the volume of any 3dimesnional solid by counting unit cubes while answering WHquestions.
- Students explain how to determine the volume of rectangular prisms using formulas while answering Wh- and Yes/No questions and using the term *dimensions*.
- Students discuss how to determine the volume of composite solid figures while answering WH-questions.
- Students talk about applying the volume formula to solve real-world problems using the adjective *given*.

Lesson Overview:

Math Reveal: Unit 2: Volume

2-2 Use Unit Cubes to Determine Volume

2-3: Use Formulas to Determine Volume

2-4: Determine Volume of Composite Figures

2-5: Solve Problems Involving Volume

Math practice pages 1-10

Vocabulary: volume, cube unit, base, formula, composite solid, figure, equation, unknown, variable.

Academic Standards: **5.MD.C** 

Geometric measurement: understand concepts of volume and relate volume to multiplication

and to addition.

**5.MD.C.3**Recognize volume as an attribute of solid figures and understand concepts of volume measurement.

5.MD.C.3.a
A cube with side
length 1 unit, called
a "unit cube" is said
to have "one cubic
unit" of volume, and
can be used to

measure volume.

5.MD.C.3.b
A solid figure which can be packed without gaps or overlaps using "n" unit cubes is said to have a volume of "n" cubic units

**5.MD.C.4**Measure volumes by counting unit cubes, using cubic cm, cubic in, cubic ft, and improvised units.

5.MD.C.5.c Recognize volume as additive. Find volumes of solid figures composed of two nonoverlapping right rectangular prisms by adding the volumes of the nonoverlapping parts, applying this technique to solve real world problems. 5.L.4

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	unknown and multiple-meaning words and phrases based on grade 5 reading and content, choosing flexibly from a range of strategies.
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Fri	Notes:	Objective: NO SCHOOL!! VETERAN'S DAY!!	Academic Standard: