Backwards Design Template
Name of lesson/ unit: Volume
Grade Level: $\square$ k $\square 1$ $\square$ $2 \square 3$ $\square$ $4 \longdiv { V }$ $\square$ $6 \square 7$ $\square$ 8
$\square$ 9 $\square$ 10 $\square$
$\square$ $12 \square$ college

## Subject Area: OELA <br> Math

## Links to Standards: These links will take you to a web page

CCSS ELA
CCSS Math
CCSS History/SS
Next Gen Science
Fine Arts
PE/Health
Computer Science/Technology

## Foreign Languages



| Understanding(s): <br> Students will understand that . . . <br> - To find the volume of an rectangular prism they need to multiply the length, by the width, by the height. <br> - Irregular rectangular prisms need to first be broken into separate parts. <br> -3 dimensional figures hold a certain amount of material. <br> - The vocabulary length, width, and height. <br> - Usage of a ruler and demonstrate mastery of a rule | Essential Question(s): <br> - How do you find the volume of an irregular rectangular prism? <br> - Where in real life would you use volume? <br> - How would you discover the measurements to find the volume of an object? |
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| Other Notes: |  |
| Stage 2-Acceptable Evidence |  |
| Performance Task(s) <br> How do the students prove they understand the concept(s)? <br> What are the tasks? <br> -measure the length, width, and height of given objects <br> -break apart irregular rectangular prisms into separate parts -find the volume of the separate parts, and then add them together -use the formula length x width x height - define length, width, and height | Other Evidence and Formative Assessment works: <br> -disscussion <br> -observations <br> -work samples |
| Rubric: Create a rubric at http://rubistar.4teachers.org/ <br> Copy the url to the created rubric and paste it here: <br>  |  |
| Stage 3- Learning Plan |  |
| Learning Activities: <br> Type your lesson plan here: <br> This will be an ongoing lesson done over several days.~ <br> 1. Review Vocabulary <br> Length, width, and height definitions <br> Label these vocabulary terms on given shapes. <br> 2. Usage of a Ruler <br> -Review how to use a ruler. (Practice) <br> 3. Volume Formula <br> -Length $x$ width $x$ height when given the measurements <br> -Practice and label cubic measurement <br> 4. Measured Volume of Objects <br> - Students will measure given objects around the room and find their volume. <br> 5. Irregular Volumes |  |



Adapted from Grant Wiggins and Jay McTighe-Understanding by Design

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