WESTSIDE HIGH SCHOOL

Level Up: RISE to Your Potential

24-25 Lesson Plan Template Teacher: Nkechi Chuke-Oweina Subject: Geometry Prep

Week of: DATE	**Monday** April 28, 2025	**Tuesday** April 29, 2025	**Wed./Thurs.** April 30 & May 1, 2025	**Friday** May 2, 2025
TEKS	GEOM.11D	GEOM.11D	GEOM.11D GEOM.10B	
Learning Objective	SWBAT apply the formulas for the volume of composite figures and determine how changes in linear dimensions affect the volume.	SWBAT apply the formulas for the volume of composite figures and determine how changes in linear dimensions affect the volume.	SWBAT apply the formulas for the volume of composite figures and determine how changes in linear dimensions affect the volume.	PD DAY NO STUDENTS
Higher Order Thinking Questions	What are the different formulas we can use to solve for the volume of solids, and how are these formulas relate to each other?	What are the different formulas we can use to solve for the volume of solids, and how are these formulas relate to each other?	How do you solve for the volume of composite 3D figures, and what are the effects of proportional and non-proportional dimension changes to volume?	
Agenda	1. Do Now - Quiz 2. Lesson - Volume of Solids	1. Do Now 2. Lesson - Volume of Solids	1. Do Now 2. Lesson - Volume of Composite Solids	

	- Today we will solve for the **volume** of different three-dimensional solids using a formula. - We will **compare** the volumes of different solids and describe relationships that exists. **- Practice** solving problems about volume. 3. DOL – Independent Practice	- Today we will solve for the **volume** of different three-dimensional solids using a formula. - We will **compare** the volumes of different solids and describe relationships that exists. **- Practice** solving problems about volume. 3. DOL – Independent Practice	- Today we will learn how to solve for the **volume** of composite solids using the volume formulas for solids. - We will explore the effects of proportional and non-proportional dimension changes to volume. - We will have opportunities to practice solving problems using the appropriate units of measure. 3. DOL – Independent Practice	
Demonstration of Learning	Given 5 problems, students will correctly apply the formulas for the volume of prisms, pyramids, cones, cylinders, and spheres to solve problems using appropriate units in 4 of 5 problems.	Given 5 problems, students will correctly apply the formulas for the volume of prisms, pyramids, cones, cylinders, and spheres to solve problems using appropriate units in 4 of 5 problems.	Given 5 problems, students will correctly apply the formulas for the volume of composite figures and determine how changes in linear dimensions affect the volume. in 4 of 5 problems.	
Intervention & Extension	Completed notes for the unit posted on canvas. Video notes posted on canvas. Activity to practice concepts learned during the class.	Completed notes for the unit posted on canvas. Video notes posted on canvas. Activity to practice concepts learned during the class.	Completed notes for the unit posted on canvas. Video notes posted on canvas. Activity to practice concepts learned during the class.	
Resources	straightedge, blank paper, whiteboard, response cards, slide deck, student	straightedge, blank paper, whiteboard, response	straightedge, blank paper, whiteboard, response cards, slide deck, student	

	activity pages	cards, slide deck, student activity pages	activity pages	