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 21, 2025	**Tuesday** April 22, 2025	**Wed./Thurs.** April 23 & 24, 2025	**Friday** April 25, 2025
TEKS	GEOM.11C	GEOM.11C	GEOM.10B	Various
Learning Objective	SWBAT apply the formulas for the total and lateral surface area of composite figures, to solve problems using appropriate units of measure.	SWBAT apply the formulas for the total and lateral surface area of composite figures, to solve problems using appropriate units of measure.	SWBAT determine and describe how changes in the linear dimensions of a shape affect its surface area, including proportional and non-proportional dimensional change.	SWBAT review previously learned concepts and clarify misconceptions in the quiz review.
Higher Order Thinking Questions	How are the total and lateral surface areas of composite three-dimensional shapes determined?	How are the total and lateral surface areas of composite three-dimensional shapes determined?	How do proportional and non-proportional changes in the linear dimensions of figures affect its surface area?	How can misconceptions in previously learned concepts be clarified in the quiz review?
Agenda	1. Do Now 2. Lesson - Surface Area of Composite Solids - Today we will learn how to solve for the **surface area** of composite solids using the	1. Do Now 2. Lesson - Surface Area of Composite Solids - Today we will learn how to solve for the **surface area** of composite solids	1. Do Now 2. Lesson - Effects of Dimensional Changes to Surface Areas of 3D Figures	1. Do Now 2. Quiz Review 3. DOL – Independent Practice

	surface area formula for solids. - We will have opportunities to practice solving problems using the appropriate units of measure 3. DOL – Independent Practice	using the surface area formula for solids. - We will have opportunities to practice solving problems using the appropriate units of measure 3. DOL – Independent Practice	- Today we will **revisit** the effects of proportional and non-proportional dimensional changes on perimeter and area. - Then we will **explore** the effects of proportional and non-proportional dimensional changes on surface area. **- Practice** applying the effects of proportional and non-proportional changes. 3. DOL – Independent Practice	
Demonstration of Learning	Given 5 problems, students will correctly apply the formulas for the total and lateral surface area of composite figures, to solve problems using appropriate units of measure in 4 of 5 problems.	Given 5 problems, students will correctly apply the formulas for the total and lateral surface area of composite figures, to solve problems using appropriate units of measure in 4 of 5 problems.	Given 5 problems, students will correctly determine and describe how changes in the linear dimensions of a shape affect its surface area, including proportional and non-proportional dimensional change in 4 of 5 problems.	Given review questions, students will correctly apply previously learned concepts in at least 80% of the questions.
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.	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,	straightedge, blank	straightedge, blank paper,	straightedge, blank paper,

	whiteboard, response cards, slide deck, student activity pages	paper, whiteboard, response cards, slide deck, student activity pages	whiteboard, response cards, slide deck, student activity pages	whiteboard, response cards, slide deck, student activity pages