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 14, 2025	**Tuesday** April 15, 2025	**Wed./Thurs.** April 16 & 17, 2025	**Friday** April 18, 2025
TEKS	GEOM.11A	GEOM.11C	GEOM.11C	
Learning Objective	SWBAT apply the formulas for the total and lateral surface area of prisms, and cylinders, to solve problems using appropriate units of measure.	SWBAT apply the formulas for the total and lateral surface area of prisms, and cylinders, to solve problems using appropriate units of measure.	SWBAT apply the formulas for the total and lateral surface area of pyramids, cones, and spheres to solve problems using appropriate units of measure.	No School
Higher Order Thinking Questions	What are the different formulas we can use to solve problems related to the lateral and total surface areas of cylinders and prisms?	What are the different formulas we can use to solve problems related to the lateral and total surface areas of cylinders and prisms?	What are the different formulas we can use to solve problems related to the lateral and total surface areas of pyramids, cones and spheres?	
Agenda	1. Do Now 2. Lesson - Surface Area of Prisms and Cylinders - Today we will learn how to solve for the **surface area** of prisms and cylinders by	1. Do Now 2. Lesson - Surface Area of Prisms and Cylinders - Today we will learn how to solve for the **surface area** of prisms and	1. Do Now 2. Lesson - Surface Area of Pyramids, Cones, & Spheres - Today we will learn how to solve for the **surface area** of	

	adding more prisms to what were initially introduced in 8th grade math. - In 8th grade, you only learned about surface area of cylinders, rectangular prisms, and triangular prisms. - We will use **formulas** to calculate the surface areas of the solids shown below. 3. DOL – Independent Practice	cylinders by adding more prisms to what were initially introduced in 8th grade math. - In 8th grade, you only learned about surface area of cylinders, rectangular prisms, and triangular prisms. - We will use **formulas** to calculate the surface areas of the solids shown below. 3. DOL – Independent Practice	pyramids, cones, and spheres. - We will use **formulas** to calculate the surface areas of the solids shown below. - 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 total and lateral surface area of prisms, and cylinders, 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 prisms, and cylinders, 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 pyramids, cones, and spheres to solve problems using appropriate units of measure 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,	straightedge, blank	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	