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 February 10, 2025	Tuesday February 11, 2025	Wed./Thurs. February 12 & 13, 2025	Friday February 14, 2025
TEKS	GEOM.5A	Various	GEOM.12B	
Learning Objective	SWBAT investigate patterns to make conjectures diagonals and interior angles of trapezoids and kites, choosing from a variety of tools.	SWBAT demonstrate special right triangle and trigonometry concepts mastery on the unit assessment.	SWBAT apply the proportional relationship between the measure of an arc length of a circle and the circumference of the circle to solve problems.	STAFF PD No Classes for Students
Higher Order Thinking Questions	What are the properties of the sides, angles, and diagonals of kites and trapezoids?	What are the applications of special right triangles and trigonometry concepts in the real world?	What is the relationship between the arc length and the circumference of a circle?	
Agenda	1. Do Now 2 Lesson – Kites and Trapezoids - Explore and apply the properties of trapezoids.	1. Unit Assessment - Independent Practice 2. Make up missing assignments	1. Do Now 2. Lesson – Arc Lengths And Circumference - Definition of a circle and its parts.	

	- Apply midsegment theory - Explore and apply the properties of kites. - Practice 3. DOL- Independent Practice		- What is an arc measure? - What is an arc length? - Solve arc length problems. 3. DOL- Independent Practice	
Demonstration of Learning	Given 5 problems, students will correctly investigate patterns to make conjectures diagonals and interior angles of trapezoids and kites, choosing from a variety of tools in 4 of 5 questions.	Given assessment questions, students will correctly apply special right triangles and trigonometry concepts in at least 80% of questions.	Given 5 problems, students will correctly apply the proportional relationship between the measure of an arc length of a circle and the circumference of the circle to solve problems in 4 of 5 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.	
Resources	straightedge, blank paper, whiteboard, response cards, slide deck, student activity pages	straightedge, blank paper, whiteboard, response cards, slide deck, student activity pages	straightedge, blank paper, whiteboard, response cards, slide deck, student activity pages	