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** **January 6, 2025**	**Tuesday** **January 7, 2025**	**Wed./Thurs.** **January 8 & 9, 2025**	**Friday** **January 10, 2025**
TEKS	PD Day No School for Students	GEOM.7B	GEOM.7B GEOM.8A	GEOM.8A
Learning Objective		SWBAT apply the Angle-Angle criterion to verify similar triangles and apply the proportionality of the corresponding sides to solve problems.	SWBAT prove theorems about similar triangles, including the Triangle Proportionality theorem, and apply these theorems to solve problems.	SWBAT prove theorems about similar triangles, including the Triangle Proportionality theorem, and apply these theorems to solve problems.
Higher Order Thinking Questions		What criteria must be established for two triangles to be similar?	How are two triangles proven to be similar?	How are two triangles proven to be similar?
Agenda		1. Do Now 2. Lesson – Angle-Angle Similarity Criterion - AA Similarity Theorem with practice.	1. Do Now 2. Lesson – Proving Similar Triangles - Introduce the triangle proportionality theorem and its converse.	1. Do Now 2. Lesson – Proving Similar Triangles - Introduce the triangle proportionality theorem and its converse.

		- SSS Similarity Theorem with practice. - SAS Similarity Theorem with practice. 3. Students will complete DOL in OnTrack.	- Prove that two triangles are similar. - Practice proving similar triangles. 3. Students will complete DOL in OnTrack.	- Prove that two triangles are similar. - Practice proving similar triangles. 3. Students will complete DOL in OnTrack.
Demonstration of Learning		Given a set of problems, students will correctly apply the Angle-Angle criterion to verify similar triangles and apply the proportionality of the corresponding sides to solve problems in at least 4 of 5 questions.	Given a set of problems, students will correctly prove theorems about similar triangles, including the Triangle Proportionality theorem, and apply these theorems to solve problems in at least 4 of 5 questions.	Given a set of problems, students will correctly prove theorems about similar triangles, including the Triangle Proportionality theorem, and apply these theorems to solve problems in at least 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, compass, blank paper, whiteboard, response cards, slide deck, student activity pages