



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 20, 2025	Tuesday - Wednesday January 21 & 22, 2025	Thursday January 23, 2025	Friday January 24, 2025
TEKS			GEOM.8B	GEOM.8B
Learning Objective	No School (Holiday)	No School (Snow Days)	SWBAT apply the relationships in special right triangles (30° - 60° - 90° and 45° - 45° - 90°) and the Pythagorean Theorem, including Pythagorean triples, to solve problems.	SWBAT evaluate and increase their understanding of triangle similarity concepts with review questions.
Higher Order Thinking Questions			SWBAT apply the relationships in special right triangles (30° - 60° - 90° and 45° - 45° - 90°) and the Pythagorean Theorem, including Pythagorean triples, to solve problems.	How do proportions represent corresponding sides of triangles?
Agenda			1. Do Now 2. Lesson – Special Right Triangles	1. Do Now 2. Lesson – Test Review Questions - Guided Practice

			<ul style="list-style-type: none"> - Explore the side lengths of a 30°-60°-90° right triangle. - Explore the side lengths of a 45°-45°-90° right triangle. - Practice solving problems. <p>3. DOL- Independent Practice</p>	<ul style="list-style-type: none"> - Partner Practice <p>3. DOL – Independent Practice</p>
Demonstration of Learning			Given 5 problems, students will correctly apply the relationships in special right triangles (30° - 60° - 90° and 45° - 45° - 90°) and the Pythagorean Theorem, including Pythagorean triples, to solve problems in 4 of 5 questions.	Given a set of review questions, students will correctly apply triangle similarity concepts in at least 80% of 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.
Resources			straightedge, blank paper, whiteboard, response cards, slide deck, student activity pages	straightedge, compass, blank paper, whiteboard, response cards, slide deck, student activity pages

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