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** **March 3, 2025**	**Tuesday** **March 4, 2025**	**Wed./Thurs.** **March 5 & 6, 2025**	**Friday** **March 7, 2025**
TEKS	GEOM.12A	GEOM.12A	GEOM.12A	Various
Learning Objective	SWBAT apply theorems about circles, including relationships among inscribed angles, to solve non- contextual problems.	SWBAT apply theorems about circles, including relationships among intersecting chords, intersecting secants or intersecting secants and tangents to solve non-contextual problems.	SWBAT apply theorems about circles, including relationships among intersecting chords, intersecting secants or intersecting secants and tangents to solve non-contextual problems.	SWBAT demonstrate concepts mastery on the unit assessment.
Higher Order Thinking Questions	How do you describe the radian measure of an angle as it relates to the length of its intercepted arc and the radius of the circle?	In a circle, what relationships are formed by intersecting chords, intersecting secants, and intersecting secants and tangents?	In a circle, what relationships are formed by intersecting chords, intersecting secants, and intersecting secants and tangents?	How can previously learned concepts be applied in the unit assessment?
Agenda	1. Do Now 2. Lesson – Inscribed Angles and Intercepted Arcs	1. Do Now 2. Lesson – Intersecting Chords, Secants, and Tangents	1. Do Now 2. Lesson – Intersecting Chords, Secants, and Tangents	1. Unit Assessment - Independent Practice 2. Make up missing assignments

	- Angle at the center theorem - Angles in the same segment theorem - Angle inscribed in the semi-circle theorem - Angles in a cyclic quadrilateral theorem - Alternate segment theorem 3. DOL- Independent Practice	- Intersecting chords theorem - Intersecting secants theorem - Intersecting secant and tangent theorem - Practice 3. DOL- Quiz	- Intersecting chords theorem - Intersecting secants theorem - Intersecting secant and tangent theorem - Practice 3. DOL- Independent Practice 4. Review for Test	
Demonstration of Learning	Given 5 problems, students will correctly apply theorems about circles, including relationships among inscribed angles, to solve 4 of 5 non- contextual problems.	Given 5 problems, students will correctly apply theorems about circles, including relationships among intersecting secants or intersecting secants and tangents to solve 4 of 5 non- contextual problems.	Given 5 problems, students will correctly apply theorems about circles, including relationships among intersecting secants or intersecting secants and tangents to solve 4 of 5 non- contextual problems.	Given assessment 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.	
Resources	straightedge, blank paper, whiteboard, response	straightedge, blank paper,	straightedge, blank paper, whiteboard, response	

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