WESTSIDE HIGH SCHOOL

Level Up: **BISE** to Your Potential

24-25 Lesson Plan Template		Teacher: <mark>Nkechi Chuke-Oweina</mark> Subj		ject: Geometry Prep
Week of: <mark>DATE</mark>	Monday May 12, 2025	Tuesday May 13, 2025	Wed./Thurs. May 14 & May 15, 2025	Friday May 16, 2025
TEKS	GEOM.13C	GEOM.13B	GEOM.13B	GEOM.13E
Learning Objective	SWBAT identify whether two events are independent and compute the probability of the two events occurring together with or without replacement.	SWBAT determine probabilities based on area to solve contextual problems.	SWBAT determine probabilities based on area to solve contextual problems.	SWBAT find the probability of compound events by using the probability of each part of the compound event.
Higher Order Thinking Questions	When are two events considered independent or dependent, and how is the probability of the two events occurring together with or without replacement calculated?	How are geometric probabilities determined based on area of geometric shapes?	How are geometric probabilities determined based on area of geometric shapes?	Given 5 problems, students will correctly find the probability of compound events by using the probability of each part of the compound event in 4 of 5 problems.
Agenda	1. Do Now 2. Lesson - Probability of Dependent & Independent Events	 Do Now - Quiz Lesson - Geometric Probability Today we will learn about Geometric 	1. Do Now - Quiz 2. Lesson - Geometric Probability	 Do Now Lesson - Probability of Compound Events

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	 Today we will learn how to solve for the probability of two independent and dependent events with or without replacement. We will have opportunities to practice calculating for the probability of independent events. DOL – Independent Practice 	Probability and Expected Value. - Geometric probability is the visual representation of probability. It is a tool to deal with the problem of infinite outcomes by measuring the number of outcomes geometrically, in terms of lengths, area, or volume. This lesson will focus on area . 3. DOL-Independent Practice	 Today we will learn about Geometric Probability and Expected Value. Geometric probability is the visual representation of probability. It is a tool to deal with the problem of infinite outcomes by measuring the number of outcomes geometrically, in terms of lengths, area, or volume. This lesson will focus on area. DOL- Independent Practice 	 Today we will learn about the probability of mutually exclusive and non- mutually exclusive events. 3. DOL – Independent Practice
Demonstration of Learning	Given 5 problems, students will correctly identify whether two events are independent and compute the probability of the two events occurring together with or without replacement in 4 of 5 problems.	Given 5 problems, students will correctly determine probabilities based on area to solve contextual problems in 4 of 5 problems.	Given 5 problems, students will correctly determine probabilities based on area to solve contextual problems in 4 of 5 problems.	Given 5 problems, students will correctly find the probability of compound events by using the probability of each part of the compound event 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.	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	straightedge, blank paper, whiteboard, response	straightedge, blank paper, whiteboard, response cards, slide deck, student	straightedge, blank paper, whiteboard, response cards, slide deck, student

activity pages	cards, slide deck, student activity pages	activity pages	activity pages