WESTSIDE HIGH SCHOOL

Level Up: RISE to Your Potential

24-25 Lesson Plan Template Teacher: COACH BARROW Subject: ON RAMPS STATISTICS

Week of: OCTOBER 14	Monday	Tuesday	Wed./Thurs.	Friday
TEKS	**4(C)** Analyze the distribution characteristics of quantitative data, including determining the possible existence and impact of outliers. **5(A)** Determine probabilities, including the use of a two-way table.	**4(C)** Analyze the distribution characteristics of quantitative data, including determining the possible existence and impact of outliers. **5(A)** Determine probabilities, including the use of a two-way table.	**4(C)** Analyze the distribution characteristics of quantitative data, including determining the possible existence and impact of outliers. **5(A)** Determine probabilities, including the use of a two-way table.	**3(D)** Describe and model variability using population and sampling distributions. **4(C)** Analyze the distribution characteristics of quantitative data, including determining the possible existence and impact of outliers. **5(A)** Determine probabilities, including the use of a two-way table.
Learning Objective	STUDENTS WILL BE ABLE TO IDENTIFY PROPERTIES AND USES OF THE STANDARD NORMAL MODEL AS WELL AS CALCULATE Z-SCORES FOR A GIVEN DATA SET.	STUDENTS WILL BE ABLE TO USE THE EMPIRICAL RULE TO CALCULATE AREAS FOR A NORMALLY DISTRIBUTED VARIABLE AND DETERMINE THE PROBABILITY ASSOCIATED WITH THE AREA UNDER A NORMAL CURVE FOR ANY Z-SCORE.	STUDENTS WILL BE ABLE TO USE THE EMPIRICAL RULE TO CALCULATE AREAS FOR A NORMALLY DISTRIBUTED VARIABLE AND DETERMINE THE PROBABILITY ASSOCIATED WITH THE AREA UNDER A NORMAL CURVE FOR ANY Z-SCORE.	STUDENTS WILL BE ABLE TO DIFFERENTIATE BETWEEN A POPULATION AND SAMPLING DISTRIBUTION AND DEMONSTRATE THE CENTRAL LIMIT THEOREM USING TECHNOLOGY.

Higher Order Thinking Questions				
Agenda	1. WAG 2. 3.1 HOMEWORK 3. **LESSON 3.2 – STANDARDIZING DATA**	1. **NOTES 3.2** 2. **Z-SCORE HAND CALCULATIONS** 3. **LESSON CHECK 3.2**	1. **3.2 RSTUDIO** 2. **3.2 RSTUDIO SHINY SIMULATION** 3. **LAB 3.2** 4. **HOMEWORK 3.2**	1. **LESSON 3.3 – SAMPLING DISTRIBUTIONS**
Demonstration of Learning				
Intervention & Extension				
Resources				