



WESTSIDE HIGH SCHOOL

Level Up: *RISE* to Your Potential

24-25 Lesson Plan Template

Teacher: **COACH BARROW**

Subject: **ON RAMPS STATISTICS**

Week of: JANUARY 23	Monday	Tuesday	Wed./Thurs.	Friday
TEKS			<p>4(E) Compare and contrast meaningful information derived from summary statistics given a data set.</p> <p>6(B) Explain how changes in the sample size, confidence level, and standard deviation affect the margin of error of a confidence interval.</p> <p>6(D) Calculate a confidence interval for a population proportion.</p> <p>6(F) Explain how a sample statistic provides evidence against a claim about a population parameter when using a hypothesis test.</p> <p>6(I) Interpret the results of a hypothesis test using technology-generated</p>	<p>4(E) Compare and contrast meaningful information derived from summary statistics given a data set.</p> <p>6(B) Explain how changes in the sample size, confidence level, and standard deviation affect the margin of error of a confidence interval.</p> <p>6(D) Calculate a confidence interval for a population proportion.</p> <p>6(F) Explain how a sample statistic provides evidence against a claim about a population parameter when using a hypothesis test.</p> <p>6(I) Interpret the results of a hypothesis test using technology-generated</p>

			results such as large sample tests for proportion, mean, difference between two proportions, and difference between two independent means.	results such as large sample tests for proportion, mean, difference between two proportions, and difference between two independent means.
Learning Objective			STUDENTS WILL BE ABLE TO PERFORM ANALYZE DATA FROM ANOVA TESTING AND POST-HOC TESTING.	STUDENTS WILL BE ABLE TO USE TECHNOLOGY TO PERFORM AND ANALYZE ANOVA TESTS.
Higher Order Thinking Questions			WHAT HAPPENS TO THE P-VALUE AS STANDARD DEVIATION AND SAMPLE SIZE INCREASE?	
Agenda	1.	1.	1. RSTUDIO 5.2 SHINY APP 2. RSTUDIO 5.2 ANOVA TUTORIAL 3. LESSON CHECK 5.2	1. LESSON CHECK 5.2 2. HOMEWORK 5.2
Demonstration of Learning			WHAT CONCLUSIONS CAN YOU DRAW ABOUT WHAT FACTORS IMPACT THE P-VALUE?	AFTER APPLYING THE BONFERRONI CORRECTION TO THE TEST RESULTS, WHAT CONCLUSION SHOULD YOU REACH?
Intervention &				

Extension				
Resources			R STUDIO/CANVAS	R STUDIO/CANVAS