WESTSIDE HIGH SCHOOL

Level Up: RISE to Your Potential

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

Week of: **FEBRUARY 3**	**Monday**	**Tuesday**	**Wed./Thurs.**	**Friday**
TEKS	**4(E)** Compare and contrast meaningful information derived from summary statistics given a data set. **6(B)** Explain how changes in the sample size, confidence level, and standard deviation affect the margin of error of a confidence interval. **6(D)** Calculate a confidence interval for a population proportion. **6(F)** Explain how a sample statistic provides evidence against a claim about a population parameter when using a hypothesis test. **6(I)** Interpret the results of a hypothesis test using technology-generated	**4(E)** Compare and contrast meaningful information derived from summary statistics given a data set. **6(B)** Explain how changes in the sample size, confidence level, and standard deviation affect the margin of error of a confidence interval. **6(D)** Calculate a confidence interval for a population proportion. **6(F)** Explain how a sample statistic provides evidence against a claim about a population parameter when using a hypothesis test. **6(I)** Interpret the results of a hypothesis test using technology-generated	**4(E)** Compare and contrast meaningful information derived from summary statistics given a data set. **6(B)** Explain how changes in the sample size, confidence level, and standard deviation affect the margin of error of a confidence interval. **6(D)** Calculate a confidence interval for a population proportion. **6(F)** Explain how a sample statistic provides evidence against a claim about a population parameter when using a hypothesis test. **6(I)** Interpret the results of a hypothesis test using technology-generated	**4(E)** Compare and contrast meaningful information derived from summary statistics given a data set. **6(B)** Explain how changes in the sample size, confidence level, and standard deviation affect the margin of error of a confidence interval. **6(D)** Calculate a confidence interval for a population proportion. **6(F)** Explain how a sample statistic provides evidence against a claim about a population parameter when using a hypothesis test. **6(I)** Interpret the results of a hypothesis test using technology-generated

	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.	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 USE R-STUDIO TO ANALYZE AND MAKE PREDICTIONS BASED OFF ANOVA TESTING.	STUDENTS WILL ANALYZE DATA AND MAKE PREDICTIONS FROM ANOVA TESTS.	UT EXAM 5	STUDENTS WILL USE TECHNOLOGY TO ANALYZE AND MAKE PREDICTIONS FROM ANOVA TEST RESULTS.
Higher Order Thinking Questions	WHEN DO WE RUN A POST HOC TEST? WHY DO WE RUN A POST HOC TEST? WHAT STATISTIC DETERMINES THE RESULTS OF OUR POST HOC TEST?	WHEN DO WE RUN A POST HOC TEST? WHY DO WE RUN A POST HOC TEST? WHAT STATISTIC DETERMINES THE RESULTS OF OUR POST HOC TEST?		
Agenda	**1. LAB 5.2**	**1. TEST REVIEW**	**1. UT EXAM 5**	**LAB 5.2 LEVEL 2**
Demonstration of Learning	**HOW DO FOX, WARNER BROTHERS, AND SONY STUDIO MOVIES COMPARE IN THEIR AVERAGE IMDB RATINGS?**		**UT EXAM 5**	
Intervention & Extension				

Resources	R STUDIO/CANVAS	R STUDIO/CANVAS	R STUDIO/CANVAS	R STUDIO/CANVAS