WESTSIDE HIGH SCHOOL

Level Up: RISE to Your Potential

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

Week of: **SEPTEMBER 16**	**Monday**	**Tuesday**	**Wed./Thurs.**	**Friday**
TEKS	**1(D)** Communicate mathematical ideas, reasoning, and their implications using multiple representations, including symbols, diagrams, graphs, and language as appropriate communication. **4(B)** Represent and summarize data and justify the representation. **4(C)** Analyze the distribution characteristics of quantitative data, including determining the possible existence and impact of outliers.	**1(D)** Communicate mathematical ideas, reasoning, and their implications using multiple representations, including symbols, diagrams, graphs, and language as appropriate communication. **4(B)** Represent and summarize data and justify the representation. **4(C)** Analyze the distribution characteristics of quantitative data, including determining the possible existence and impact of outliers. categorical and quantitative data.	**1(D)** Communicate mathematical ideas, reasoning, and their implications using multiple representations, including symbols, diagrams, graphs, and language as appropriate communication. **4(B)** Represent and summarize data and justify the representation. **4(C)** Analyze the distribution characteristics of quantitative data, including determining the possible existence and impact of outliers. categorical and quantitative data.	**1(D)** Communicate mathematical ideas, reasoning, and their implications using multiple representations, including symbols, diagrams, graphs, and language as appropriate communication. **4(B)** Represent and summarize data and justify the representation. **4(C)** Analyze the distribution characteristics of quantitative data, including determining the possible existence and impact of outliers. categorical and quantitative data.
Learning Objective	STUDENTS WILL BE ABLE TO RECOGNIZE AND	STUDENTS WILL BE ABLE TO RECOGNIZE AND	STUDENTS WILL BE ABLE TO USE RSTUDIO TO	STUDENTS WILL BE ABLE TO USE RSTUDIO TO

	DEFINE THE SHAPES OF HISTOGRAMS INCLUDING SKEWEDNESS, OUTLIERS, AND MODES.	DEFINE THE SHAPES OF HISTOGRAMS INCLUDING SKEWEDNESS, OUTLIERS, AND MODES.	CREATE AND ANALYZE HISTOGRAMS.	CREATE AND ANALYZE HISTOGRAMS.
Higher Order Thinking Questions				
Agenda	1. WAG 2. DISTRIBUTION, BOXPLOT DISCUSSION. 3. DISTRIBUTIONS IN REAL LIFE ACTIVITY.	1. DISTRIBUTIONS REVIEW 2. RSTUDIO SHINY APP 2.1	1. LAB 1.2 REVIEW 2. LAB 1.2 CONCLUSION REVIEW 3. LAB 2.1/LAB 2.1 CONCLUSION	1. LAB 2.1 CONTINUED 2. LAB 2.1 LEVEL 2 PRACTICE
Demonstration of Learning	**LESSON CHECK 2.1**	**HOMEWORK 2.1**	LAB 2.1 CONCLUSION	LAB 2.1 LEVEL 2 PRACTICE
Intervention & Extension		**FLIPPED WORK LESSON 2.1 RSTUDIO HISTOGRAM TUTORIAL**	**LAB 2.1 LAB 2.1 CONCLUSION**	
Resources	DISTRIBUTIONS IN REAL LIFE ACTIVITY FORM	RSTUDIO	RSTUDIO	RSTUDIO