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| **Chapter 1: *STATS Starts Here* (Pages 1-12)****Chapter 2: *Telling the Stories of Categorical Data* (Pages 16 – 43)** |

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| **INSTRUCTIONAL OBJECTIVES:**  |
| Be able to define the words listed in the vocabulary below. |
| Know the three simple steps to doing *Statistics* correctly. |
| Make sure that your data is in context. |
| Describe the data in terms of the Five W’s. |
| Treat data in two basic ways: as categorical or quantitative. |
| Abide by the Area Principle. |
| Make/interpret a frequency table. |
| Mak/interpret a relative frequency table. |
| Make/interpret a bar chart. |
| Make/interpret a pie chart. |
| Make/interpret a contingency table. |
| Determine the marginal distribution of a contingency table. |
| Determine the conditional distributions of a contingency table. |
| Make a determine as to whether 2 variables are independent of each other. |
| Understand the distinction between *association* and *dependence*. |
| Conduct a simulation. |
| Use your TI-84 to enter data into a list. |

***Vocabulary*:** statistics, datum, data, descriptive statistics, inferential statistics, Five W’s, context, individual (case), sample, population, variable, categorical variable, quantitative variable, frequency table, relative frequency table, distribution, area principle, bar chart, pie chart, categorical data condition, contingency table, marginal distribution, conditional distribution, independence, association, simulation**Technology:** Graphing Calculator (TI-84), Chromebook |
| **Be sure to bring your TI-84 calculator to all your class sessions.*****TUESDAY (9.3.24*)** **Classwork: Discuss the previously assigned work:** Contingency Table and Vocabulary Review.**Homework:*** **Chapter 2: Review B** to be received in class.
* **Read and take notes** on pages 44 – 49 in Chapter 3, *Exploring Quantitative Data.*

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| **New Objectives:**  |
| * Use your TI-84 graphing calculator to make a histogram when given a set of univariate data.
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| * Know how to properly label your histogram.
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| * Categorize your histogram as being symmetric, nearly symmetric, left-skewed, or right skewed, or uniform.
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| * Interpret your histogram.
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| * Create/interpret a stem-and-leaf display.
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| * Find the mean, median, and mode of univariate data.
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***THURSDAY (9.5.24*)** **Discuss Chapter 2: Review B.****Class Work:**Use the data given in #24 on page 81 to do the following:* construct a stem-and-leaf display
* create a histogram with 5 bins, using your TI-84 graphing calculator
* find the mean, median, and mode

**Homework: Study for a Test (Chapters 1 and 2)** to be taken during your next class period, **Tuesday, September 10.*****FRIDAY (9.6.24*) A-DAY, NO CLASS** |