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| **Grade Level** 10-12 AP Statistics | **Teacher/Room**: LPayne/181 Week of: August 22- August 26 |
| **Unit Vocabulary: Chapter 2 Vocabulary- See attached** |
| **Instructional Strategies Used:** direct instruction, independent study, interactive instruction, **activities, case studies, case closed, data exploration.** |
| **Day 1** | **Day 2** | **Day 3** | **Day 4** | **Day 5** |
| **Common Core Standard(s)**:**S.ID.4. Use the mean and standard deviation of a data set to fit it to a normal distribution and to estimate population percentages. Recognize that there are data sets for which such a procedure is not appropriate. Use calculators, spreadsheets, and tables to estimate areas under the normal curve.** | **Common Core Standard(s)**:**S.ID.4. Use the mean and standard deviation of a data set to fit it to a normal distribution and to estimate population percentages. Recognize that there are data sets for which such a procedure is not appropriate. Use calculators, spreadsheets, and tables to estimate areas under the normal curve.** | **Common Core Standard(s)**: **S.ID.4. Use the mean and standard deviation of a data set to fit it to a normal distribution and to estimate population percentages. Recognize that there are data sets for which such a procedure is not appropriate. Use calculators, spreadsheets, and tables to estimate areas under the normal curve.** | **Common Core Standard(s)**: **S.ID.4. Use the mean and standard deviation of a data set to fit it to a normal distribution and to estimate population percentages. Recognize that there are data sets for which such a procedure is not appropriate. Use calculators, spreadsheets, and tables to estimate areas under the normal curve.** | **Common Core Standard(s)**: Describe why it is important to investigate relationships between variables. • Identify explanatory and response variables in situations where one variable helps to explain or influence the other. • Make a scatterplot to display the relationship between two quantitative variables. • Describe the direction, form, and strength of the overall pattern of a scatterplot. • Recognize outliers in a scatterplot. • Know the basic properties of correlation. • Calculate and interpret correlation in context. • Explain how the correlation r is influenced by extreme observations. |
| **EQ Question:**How do you describe location of an individual within a “normal” distribution and perform useful calculations using properties of Normal Distributions? | **EQ Question:**How do you describe location of an individual within a “normal” distribution and perform useful calculations using properties of Normal Distributions? | **EQ Question:**How do you describe location of an individual within a “normal” distribution and perform useful calculations using properties of Normal Distributions? | **EQ Question:**How do you describe location of an individual within a “normal” distribution and perform useful calculations using properties of Normal Distributions? | **EQ Question:**What does it mean to regress? • What is association? What is correlation? How are they connected? • Does association imply causation? • How can modeling data help us to understand patterns? • Can we use extrapolation to predict the future? • What is the best evidence for causation? • Is it possible to test for lack of correlation? • How do patterns affect your life? |
| **Mini Lesson:** Check homework**Activating Strategies:**Check your understandingLesson: Chapter 2 Review Notetaking guide**Resource/Materials:**Textbook, calculator, powerpoint, notetaking guide | **Mini Lesson:** Check homework**Activating Strategies:**Check your understanding Lesson: Chapter 2 Practice Test **Resource/Materials:**Textbook, calculator, powerpoint, notetaking guide | **Mini Lesson:** Check homework **Activating Strategies:****Frappy Chapter 2**Lesson: More Practice CH.2**Resource/Materials:**Textbook, calculator, powerpoint, notetaking guide | **Mini Lesson:** Check homework**Activating Strategies: Answer questions.**Lesson: TEST Chapter 2**Resource/Materials:**Textbook, calculator, TEST powerpoint, notetaking guide | **Mini Lesson:** Give back test **Activating Strategies:**A: CSI Stats: The Case of the Missing Cookies Correlation & Regression Applet**LESSON:** 3.1 Scatterplots & Correlation**Resource/Materials:**Textbook, calculator, powerpoint, NTG |
| **Differentiation:***Content/Process/Product:**Grouping Strategy:**Assessment:* | **Differentiation:***Content/Process/Product:**Grouping Strategy:**Assessment* | **Differentiation:***Content/Process/Product:**Grouping Strategy:**Assessment* | **Differentiation:***Content/Process/Product:**Grouping Strategy:**Assessment* | **Differentiation:***Content/Process/Product:**Grouping Strategy:**Assessment* |
| **Homework:** Chapter 2 Review all | **Homework:** Chapter 2 practice Test  | **Homework:** Extra Practice  | **Homework:**  Read Section 3.1  | **Homework:** HW: 1, 5, 7, 11, 13, 14- 18, 21, 26, 27-32 |

Resources and Reflective Notes: