**ARC Week at Glance**

**Subject: Math Course: A.P. Statistics Grade: 11th – 12th Dates: 8/18 – 8/22**

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| **Standard IA**: Students will be able to construct and interpret graphical displays of distributions of univariate data.  **Standard IB**: Students will be able to summarize distributions of univariate data.  **Standard IC**: Students will be able to compare distributions of univariate data.  **Standard IB:** Students will be able to describe patterns and departures from patterns using positions, percentiles, and standardized scores (z-scores).  **Standard IIIC:** Students will be able to describe properties of the Normal distribution and use it as a model for measurements.  **Assessment(s):  Quiz  Unit Test  Matching Boxplot Activity  Lab  FRQ** | | | | | | |
|  | **Learning Target**  **(I am learning about…)** | **Criteria for Success**  **(I can…)** | **Opening**  *(10 - 15 Mins)* | **Work-Session**  *(20 - 25 mins)* | **Closing**  *(5 - 10 mins)* | **Literacy Tasks/Focus** |
| *(Include at least one/two formatives\*in any part of the lesson as needed)* | | |
| **Monday** | I am learning how to describe and analyze univariate quantitative distributions | I can find summary statistics and describe distributions of univariate quantitative data | Finish notes, modeling, & guided practice on Displaying and Summarizing Quantitative Data pages 55 – 59 | Complete **Chapter 3 Practice & Review Worksheet** (formative) | Check/make corrections and write feedback on Chapter 3 Practice & Review Worksheet | Describe the distribution (1e on Chapter 3 Practice & Review) and justify your response (1d) |
| **Tuesday** | I am learning how to describe and analyze univariate quantitative distributions | I can find summary statistics and describe distributions of univariate quantitative data | Quick Study with Q&A before Quiz | **Chapter 3 Quiz** | **FRQ #1 from 2001**  (Formative) | Free Response Question (FRQ) from Released 2001 Exam- discuss criteria and grading rubric for essentially correct responses |
| **Wednesday** | I am learning how to describe and analyze univariate quantitative distributions | I can check for outliers using the outlier test | Display student samples for **FRQ #1 from 2001** and return Ch 3 Quiz | **FRQ #1 from 2016** (Summative) | Free Response Question (FRQ) from Released 2016 Exam- discuss criteria and grading rubric for essentially correct responses | See closing |
| **Thursday** | I am learning how to describe properties of the Normal Distribution | I can calculate z-scores and use them to determine percentiles in Normal models | What’s a Normal distribution?  What’s a z-score? How do you calculate it? | Notes and model examples for Chapter 5: Standard Deviation and the Normal Curve pages 102 – 107 | Just Checking #1 | See opening |
| **Friday** | I am learning about Normal distributions and the Empirical Rule | I can label areas under the standard Normal curve within 3 standard deviations of the mean | Just Checking #2 | Notes and model examples for Chapter 5: Standard Deviation and the Normal Curve pages 107 – 111 | Study/Practice for the Quick Quiz on the Empirical Rue Monday | How do you determine the percentiles within 3 standard deviations under the standard Normal curve? |

**\*** Exit Ticket/Final Stretch Check  Electronic Tools  Dry Erase Boards – quick checks  Turn & Talk Discussion (verbal responses)  Teacher Observation – document Clipboard

Quick Write/Draw  Annotation  Extended Writing  Socratic Seminar  Jigsaw  Thinking Maps  Worked Examples  Other : \_\_\_\_\_\_\_\_\_\_\_