**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):** [x]  **Quiz** [ ]  **Unit Test** [ ]  **Matching Boxplot Activity** [ ]  **Lab** [x]  **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 [x]  Electronic Tools [ ]  Dry Erase Boards – quick checks [x]  Turn & Talk Discussion (verbal responses) [ ]  Teacher Observation – document Clipboard

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