**ARC Week at Glance**

**Subject: Math Course: A.P. Statistics Grade: 11th – 12th Dates: 9/15 – 9/19**

|  |
| --- |
| **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.**Standard IE:** Explore categorical data using frequency tables, bar graphs, two-way tables, and pie charts.**Assessment(s):** [x]  **Quiz** [ ]  **Unit Test** [x]  **MML** [ ]  **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 analyze bivariate categorical data.  |  I can make sense of categorical data using frequency tables and bar graphs.  |  I can make sense of categorical data using frequency tables and bar graphs.  | **Chapter 2 Quiz** | FRQ and Multiple-Choice Questions with Two-Way Tables | Do you think mode of transportation is independent of gender? Give statistical evidence to support your conclusion.  |
| **Tuesday** | I am learning how to analyze bivariate quantitative data. | I can describe relationships between bivariate quantitative data and I can construct scatterplots to graph the data | Determine whether there is a positive, negative or no correlation between the variables:A. Chirps of Crickets and TemperatureB. % of Calories from Fat and % Calories from CarbohydratesC. National Parks Size and Number of VisitorsD. Price of Used Car and Model YearE. Year of Olympic Freestyle Event and Winning Time | Notes, modeling and guided practice on **Chapter 6: Scatterplots: Association and Correlation pages 147 – 157** | Return Quiz then check **Free Response Question and Multiple-Choice Practice with Two-Way Tables** | T&T: See Opening |
| **Wednesday** | I am learning about correlation and lurking variables with quantitative bivariate data. | I can find correlation and determine whether lurking variables or outliers are influencing the relationship observed | “Just Checking” page 154 | Notes, modeling and guided practice on **Chapter 6: Scatterplots: Association and Correlation pages 154 – 157** | Determine the correlation between sales of pistachios and sales of almonds using TI-84 | “Just Checking” page 154Before determining correlation, what would you like to see? And more |
| **Thursday** |  |  | \*Asynchronous Learning Day | **AP Classroom Unit 1****MCQ Progress Check Part A** |  |  |
| **Friday** |  |  | \*Asynchronous Learning Day | **AP Classroom Unit 1****MCQ Progress Check Part B** |  |  |

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

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