**ARC Week at Glance**

**Subject:** Math **Course:** A.P. Statistics **Grade:** 11th & 12th **Date: 8/6 – 8/9**

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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.**Assessment(s):** [ ]  **Quiz** [ ]  **Unit Test** [x]  **Project** [ ]  **Lab** [ ]  **None** |
|  | **Learning Target****(I am learning about…)** | **Success Criteria****(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** |  |  |  |  |  |  |
| **Tuesday** | I am learning how to display quantitative univariate data. | I can construct a**dot plot**. | Fill in our dot plot with the # of states you have visited. | Discuss expectations and go over syllabus.Make some observations about our data and share with a partner. | Begin constructing a dot plot to display highway gas mileage for midsize cars.\*First Week Project due 8/14 | Write down what the data shows and share with a peer. A few may share with class- communication. |
| **Wednesday** | I am learning how to display quantitative univariate data. | I can construct a**stem plot**. | Arrange # of runs data from small to large for each league using your MLB data set. | Construct a back-to-back stem plot to display the # of runs in National and American Leagues. | Begin constructing a back-to-back stem plot to display literacy rates in Islamic nations among males and females.\*First Week Project due 8/14 | Write down what the data shows and share with a peer. A few may share with class- communication. |
| **Thursday** | I am learning how to display quantitative univariate data. | I can construct a**boxplot**. | Find the five-number summary for lengths of the top 20 movies in 2011.  | Construct a box plot of thelengths of the top 20 movies in 2011.  | Begin constructing a boxplot to display %’s of teen marijuana uses in European countries.\*First Week Project due 8/14 | Write down what the data shows and share with a peer. A few may share with class- communication. |
| **Friday** | I am learning how to display quantitative univariate data. | I can construct a **histogram**. | Construct a box plot of the # of at bats using MLB data.  | Construct a histogram to display the top speeds of roller coasters in California. | Begin constructing a frequency chart and histogram to display age of U.S. Presidents’ age at inauguration.\*First Week Project due 8/14 | Write down what the data shows and share with a peer. A few may share with class- communication. |

**\***[x]  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 [ ]  Socratic Seminar [ ]  Jigsaw [ ]  Thinking Maps [x]  Worked Examples [ ]  Other :\_\_\_\_\_\_\_\_\_\_\_