**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  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 the  lengths 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. |

**\*** 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 :\_\_\_\_\_\_\_\_\_\_\_