**ARC Week at Glance**

**Subject: Math Course: Advanced Algebra Concepts & Connections Grade: 10th – 12th Dates: 8/25 to 8/29**

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| **Standard(s):** AA.DSR.2 Communicate descriptive and inferential statistics by collecting, critiquing, analyzing, and interpreting real-world data. AA.DSR.2.1 Recognize the purposes of and differences among sample surveys, experiments, and observational studies; explain how randomization relates to each. AA.MM.1: Apply mathematics to real-life situations; model real-life phenomena using mathematics**Assessment(s):** [ ]  **Quiz** [ ]  **Unit Test** [ ]  **Project** [ ]  **Lab** [ ]  **None** |
|  | **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 about Normal distributions and the Empirical Rule | I can apply the Empirical rule to applications. | #’s 1 – 5 on Applications with the Empirical Rule and Normal Distributions.Check with partner. | Discuss methodology for opener, then complete#’s 6 – 12 on Applications with the Empirical Rule and Normal Distributions with teacher guidance then #’s 13 – 19 independently.  | #’s 20 – 25 on Applications with the Empirical Rule and Normal Distributions | How is the area under a Normal curve distributed 1, 2, and 3 standard deviations from the mean? Explain methods. |
| **Tuesday** | I am learning about how to use the Empirical Rule to solve problems. | I can apply the Empirical rule to applications. | Check and discuss #’s 20 – 25 on Applications with the Empirical Rule and Normal Distributions. | Quiz on Applications with the Empirical Rule and Normal Distribution\*Summative  |  | Justify responses & explain processes in application problems |
| **Wednesday** | **M.A.P.** |  |  |  |  |  |
| **Thursday** | **M.A.P.** |  |  |  |  |  |
| **Friday** | **M.A.P.** |  |  |  |  |  |

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

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