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