**ARC Week at Glance**

**Subject: Math Course: Advanced Algebra Concepts & Connections Grade: 10th – 12th Dates: 9/2 to 9/6**

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| **Standard(s):**  AA.DSR.2.4 Calculate and interpret z-scores as a measure of relative standing and as a method of standardizing units. AA.DSR.2.5 Given a normally distributed population, estimate percentages using the Empirical Rule, z-scores, and technology.**Assessment(s):** [x]  **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** | Holiday |  |  |  |  |  |
| **Tuesday** | I am learning about Normal distributions and z-scores | I can calculate z-scores and use them to make comparisons | Return Quiz (graded) on Applications with the Empirical Rule and Normal Distribution.Share exemplars and do nots | #’s 1 - 3 on the “Let’s Be Normal?” Task | Go over the Asynchronous Learning Day 9/3 expectations and requirements- Canvas Quiz | T&T: What do horizontal shifts do to the measures of center and spread of Normal curves? How about vertical stretches? |
| **Wednesday** | I am learning about Normal distributions and z-scores | I can calculate percentiles of interest for real-world applications using technology. | #4a on the “Let’s Be Normal?” Task\*Exemplars | #’s 4b on the “Let’s Be Normal?” Task | #5a on the “Let’s Be Normal?” Task\*formative | How do we technology (TI-84) to find percentiles within Normal distributions? |
| **Thursday** | I am learning about Normal distributions and z-scores | I can calculate percentiles of interest for real-world applications using technology. | Check #5a on the “Let’s Be Normal?” Task\*Exemplars | #’s 5b and 6a on the “Let’s Be Normal?” Task | #6b on the “Let’s Be Normal?” Task\*formative | How do we technology (TI-84) to find percentiles within Normal distributions? |
| **Friday** | I am learning about Normal distributions and z-scores | I can calculate z-scores and determine the percentile data fall into. | Part I on Practice with Normal Distributions & Z-Scores with teacher guidance | Part II on Practice with Normal Distributions & Z-Scores\*formative | Compare Part II with partner, share, then check | What do you know? What do you need to know? |

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