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