**ARC Week at Glance**

**Subject: Math Course: Advanced Algebra Concepts & Connections Grade: 10th – 12th Dates: 9/16 to 9/20**

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| **Standard(s):**  AA.DSR.2.7: Given a margin of error, develop and compare confidence intervals of different models to make conclusions about reliability. AA.MM.1.1: Explain applicable, mathematical problems using a mathematical model. AA.MM.1.3: Using abstract and quantitative reasoning, make decisions about information and data from a mathematically applicable situation. AA.MM.1.4: Use various mathematical representations and structures to represent and solve real-life problems.  **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 confidence intervals | I can construct and interpret confidence intervals to capture true proportions and means. | View and discuss Handout on Common Critical Values and Formulas- | Guided Practice on Confidence Intervals | Independent Practice Problems on Confidence Intervals  \*Formative | Do these critical values mesh with the Empirical Rule? Why or why not? |
| **Tuesday** | I am learning about collecting and describing data. | All Unit 1  Standards and Criteria  (Review) | #’s 1 – 6 on Unit 1 Practice & Review for Unit 1 | #’s 7 – 15 on Unit 1 Practice & Review for Unit 1  \*Formative | Check #’s 7 – 15 on Unit 1 Practice & Review for Unit 1  View exemplars and do not’s | Unit 1 Vocabulary Review |
| **Wednesday** | I am learning about collecting and describing data. | All Unit 1  Standards and Criteria  (Review) | #’s 16 – 21 on Unit 1 Practice & Review for Unit 1 | #’s 22 – 25 on Unit 1 Practice & Review for Unit 1  \*Formative | Check #’s 22 – 25 on Unit 1 Practice & Review for Unit 1  View exemplars and do not’s | What’s the Empirical Rule? How do I calculate a z-score and what’s its meaning? How about the Margin of Error? |
| **Thursday** | I am learning about collecting and describing data. | All Unit 1  Standards and Criteria  (Assessment) | Quick Study | Unit 1 Test for Unit 1  \*Summative |  | Unit 1 Vocabulary |
| **Friday** | I am learning about collecting and describing data. | All Unit 1  Standards and Criteria  (Assessment) |  | Let’s Build a Survey Project |  |  |

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