**ARC Week at Glance**

**Subject: Math Course: Advanced Algebra Concepts & Connections Grade: 9th – 12th Dates: 11/12 to 11/15**

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| **Standard(s):**  AA.FGR.3.3 Use the definition of a logarithm, logarithmic properties, and the inverse relationship between exponential and logarithmic functions to solve problems in context.  AA.FGR.3.2 Analyze, graph, and compare exponential and logarithmic functions  **Assessment(s):  Quiz  Unit Test  Project  Lab** | | | | | | |
|  | **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 can graph logarithmic functions. | I can identify the domain, range, asymptote and x-intercept in my graphs of log functions. | Graph  Fold along y=x  Trace on Patty Paper  Open  You now see the graph of | Complete Intro to Graphing Log Functions | Return Graded Quiz  from Wednesday, correct, recovery ops if needed | Why does the opener work? |
| **Wednesday** | I can graph logarithmic functions. | I can identify the domain, range, asymptote and x-intercept in my graphs of log functions. | Graph | Complete More Graphing Log Functions | Worksheet 15.2 | Describe transformations in graphing problems. |
| **Thursday** | I can graph logarithmic functions. | I can identify the domain, range, asymptote and x-intercept in my graphs of log functions. | Check Worksheet 15.2 | Complete Practice & Review Graphing Log Functions  \*Formative | Check, self-evaluate, Q&A  Quiz tomorrow! | What do you know? What do you need to know? |
| **Friday** | I can graph logarithmic functions. | I can identify the domain, range, asymptote and x-intercept in my graphs of log functions. | Study, Q&A | Quiz on Graphing Log Functions  \*Summative |  | Describe transformations. |

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