**ARC Week at Glance**

**Subject: Math Course: Advanced Algebra Concepts & Connections Grade: 9th – 12th Dates: 11/18 to 11/22**

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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.3.4 Create exponential equations and use logarithms to solve contextual problems for which only one variable is unknown.  AA.FGR.3.5 Create and interpret logarithmic equations in one variable and use them to solve problems.  AA.FGR.3.2 Analyze, graph, and compare exponential and logarithmic functions  AA.FGR.4.1 Rewrite radical expressions as expressions with rational exponents. Extend the properties of integer exponents to rational exponents.  **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** | I am learning about exponential functions. | I can graph and solve exponential equations. | #’s 1 – 4 on Practice & Review Unit 2  \*Formative | #’s 5 – 16 on Practice & Review Unit 2  \*Formative | #’s 17 – 18 on Practice & Review Unit 2  \*Formative | Describe transformations in graphing problems. |
| **Tuesday** | I am learning about logarithmic functions. | I can graph and solve logarithmic equations. | Check with Exemplars  #’s 17 – 18 on Practice & Review Unit 2  \*Formative | #’s 19 – 24 on Practice & Review Unit 2  \*Formative | Check, self-evaluate- Unit 2 Test tomorrow! | What do you know? What do you need to know? |
| **Wednesday** | Above | Above | Study, Q&A | Unit 2 Test  \*Summative | Look over Unit 2 grades (From 10/18 to present) in infinite campus. Email or text me any grade you wish to retake/recover. If approved, you’ll have opportunity in class on Friday! | Describe transformations on Test and complete self-evaluation for Recovery Opportunity |
| **Thursday** | I am learning about rational exponents. | I can express expression with rational exponents in radical form and evaluate them. | Part I on Introducing Rational Exponents | Parts II and III on Introducing Rational Exponents | Formative check on evaluating expressions with rational exponents. | What do you know? What do you need to know? |
| **Friday** | I am learning about rational exponents. | I can express expression with rational exponents in radical form and evaluate them. | Quick Study | Quick Quiz on Rational Exponents  \*Summative | Unit 2 Recovery opportunity | Complete self-evaluation for Recovery Opportunity |

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