

ARC Week at Glance

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

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
			<i>(Include at least one/two formatives*in any part of the lesson as needed)</i>			
Monday	I am learning about exponential functions.	I can graph and solve exponential equations.	#’s 1 – 4 on Practice & Review Unit 2 <i>*Formative</i>	#’s 5 – 16 on Practice & Review Unit 2 <i>*Formative</i>	#’s 17 – 18 on Practice & Review Unit 2 <i>*Formative</i>	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 <i>*Formative</i>	#’s 19 – 24 on Practice & Review Unit 2 <i>*Formative</i>	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 <i>*Summative</i>	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 <u>in class on Friday!</u>	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 : _____