

ARC Week at Glance

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

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): <input checked="" type="checkbox"/> Quiz <input type="checkbox"/> Unit Test <input type="checkbox"/> Project <input type="checkbox"/> Lab <input type="checkbox"/>						
	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	Holiday					
Tuesday	I can graph logarithmic functions.	I can identify the domain, range, asymptote and x-intercept in my graphs of log functions.	Graph $f(x) = 2^x$ Fold along $y=x$ Trace on Patty Paper Open You now see the graph of $f(x) = \log_2 x$	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 $f(x) = 3^x$	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.
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* 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 : _____