ARC Week at Glance

Subject: Math Course: Advanced Algebra Concepts & Connections Grade: 10th – 12th Dates: 10/21 to 10/25

Standard(s):
AA.FGR.3 Explore and analyze structures and patterns for exponential functions.
AA.FGR.3.2 Analyze, graph, and compare exponential and logarithmic functions.
AA.MM.1.2 Create mathematical models to explain phenomena that exist in the natural sciences, social sciences, financial, liberal arts, performing arts, and/or humanities contexts.

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 models for exponential growth and decay functions used in real-life.	I can solve application problems using exponential growth & decay models.	Return Quiz (feedback)	Complete Modeling Applications with Exponential Growth & Decay #'s 1 and 3 with teacher guidance	Complete Modeling Applications with Exponential Growth & Decay #'s 2 and 4 with partner	What key words indicate using an exponential growth model? … exponential decay? double the value ea day. How much wi they owe you on da
			30?	Interest Problems Learning Task Parts I and II	Begin "Which Job Would You Choose?" Project due Monday, Oct. 28th & remember that I will PRE-CHECK all week (only before due date)	Compare interest rate, compounding times and time's effects on balances and interest.
Wednesday	I am learning about exponential growth & decay functions in real-life					

Thursday	I am learning about exponential growth & decay functions in real-life	I can choose and use the appropriate formula to solve real - life exponential applications.