ARC Week at Glance

Subject: Math   Course: Advanced Algebra Concepts & Connections   Grade: 9th – 12th   Dates: 1/6 to 1/10

Standard(s):
AA.FGR.5.1 Graph and analyze quadratic functions in contextual situations and include analysis of data sets with regressions.
Assessment(s): ☒ Quiz   ☐ Unit Test   ☐ Project   ☒EXAM PREP

	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 graphs of quadratic functions.	I can identify the domain, range, vertex, and axis of symmetry for each function.	Complete #'s 1 – 4 on Teaching and Learning Task for Graphing Parabolas in **vertex form**.	Modeling and guided practice for #'s 5 -7 on the Teaching and Learning Task for Graphing Parabolas in **vertex form**.	#8 on the Teaching and Learning Task for Graphing Parabolas in **vertex form** *ticket out the door	Turn & Talk after you complete the opening. Do you and partner agree on the transformations?
Tuesday	I am learning about graphs of quadratic functions.	I can write quadratic functions in vertex form by completing the square.	#'s 9-10 on the Teaching and Learning Task for Graphing Parabolas in **vertex form**	Modeling and guided practice for #'s 11 - 13 on the Teaching and Learning Task for Graphing Parabolas in **vertex form**	#" 14 – 15 on the Teaching and Learning Task for Graphing Parabolas in **vertex form** *ticket out the door	Turn & Talk after you complete the opening. Do you and partners graphs look the same?
Wednesday	I am learning about graphs of quadratic functions.	I can identify the domain, range, vertex, and axis of symmetry for each quadratic function.	Complete #1 on the Teaching and Learning Task for Graphing Parabolas in **standard form.**	Modeling and guided practice for #'s 2 -5 on the Teaching and Learning Task for Graphing Parabolas in **standard form.**	#8 on the Teaching and Learning Task for Graphing Parabolas in **standard form.** *ticket out the door	Turn & Talk: Which form of parabolas (Standard or Vertex) is easiest to graph and identify important characteristics?
Thursday	I am learning about graphs of quadratic functions.	I can identify the domain, range, vertex, and axis of symmetry for each quadratic function.	Randomly assign #'s 1, 2, 3, and 4 on Practice on Parabolas to pairs of students then have them share with class. *Formative	Complete #'s 5 – 10 on Practice on Parabolas *Formative	Share do's and do nots with exemplars	What do you know? What do you need to know?

Friday	I am learning about graphs of quadratic functions.	I can identify the domain, range, vertex, and axis of symmetry for each quadratic function.	Quick Q&A	Quiz on Graphing Parabolas		Describe transformations in #'s 5 – 8 on Quiz

*☐ 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 : _____