

ARC Week at Glance

Subject: Math **Course:** Advanced Algebra Concepts & Connections **Grade:** 9th – 12th **Dates:** 3/10 to 3/14

Standard(s):

AA.PAR.6.1 Use matrices to represent data, and perform mathematical operations with matrices and scalars, demonstrating that some properties of real numbers hold for matrices, but that others do not.

AA.PAR.6.2 Rewrite a system of linear equations using a matrix representation.

AA.PAR.6.3 Use the inverse of an invertible matrix to solve systems of linear equations.

MA2A9. Students will understand and apply matrix representations of vertex-edge graphs.

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	Asynchronous			Desmos		
Tuesday	I am learning about vertex edge graphs (digraphs).	I can construct digraphs and matrices to model one, two and three stage events in the real-world setting.	Read page 1 on “The Okefenokee Food Web” Digraphs Task and construct a matrix to model the food web in this ecosystem.	Complete #'s 2 – 8 on “The Okefenokee Food Web” Digraphs Task with guidance and sharing	Complete the “Secret Sharing” on Digraphs Task then Turn & Talk	#8- Organize and summarize your findings for a report on the use of insecticide in this ecosystem.
Wednesday	I am learning about vertex edge graphs (digraphs).	I can construct digraphs and matrices to model one, two and three stage events in the real-world setting.	Culminating Task “Georgia Air-Taxi” *Summative	Culminating Task “Georgia Air-Taxi” *Summative	When you complete the Task, begin The Unit 5 Practice & Review *Formative	What does your matrix mean in the context of these problems?
Thursday	All Unit 5	All Unit 5	Return graded Task-view commentary and exemplars	Model, check, share examples of solutions on the Unit 5 Practice & Review *Formative	Study- Unit Test tomorrow!	What do you know? What do you need to know?

Friday	All Unit 5	All Unit 5	Quick Study	Unit 5 Test *Summative		
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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 : _____