ARC Week at Glance

Subject: Math   **Course: Advanced Algebra Concepts & Connections**   **Grade:** 9th – 12th   **Dates: 3/31 to 4/4**

Standard(s):
AA.GSR.7 Develop an introductory understanding of the unit circle; solve trigonometric equations using the unit circle.
AA.GSR.7.1 Define the three basic trigonometric ratios in terms of x, y, and r using the unit circle centered at the origin of the coordinate plane.
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	I am learning about the unit circle.	I can sketch angles in standard position on the unit circle and determine their coordinates	Exploring the Unit Circle Task **Diagnostic** (Option 1: Sketching Angles in Standard Position GeoGebra) Diagnostic Assessment Option 1: Sketching Angles in Standard Position (GeoGebra) - In this GeoGebra activity, students sketch angles in standard position.	Exploring the Unit Circle Task- Complete **Explore** Problems with a partner	Check work, share exemplars and do nots.	How do you remember the endpoints with these special right triangles?
Tuesday	I am learning how to use the unit circle.	Students will use basic trig functions to solve real-world problems.	Exploring the Unit Circle Task Desmos Activity **Explore** Trig Function Fun (Desmos Activity)			Self-evaluation: Copy Desmos Slides 18 – 20 into your notes
Wednesday	I am learning how to use the unit circle.	Students will use basic trig functions to solve real-world problems.	Share and view students' reflections from Desmos slides 18 - 20	Exploring the Unit Circle – **A**pply Hiking - You are planning a hiking trip and want to determine	Exploring the Unit Circle - **Reflect**	Exploring the Unit Circle - **Reflect**

Thursday	M.A.P. Testing Block Schedule Teacher schedules will vary!
Friday	

*☐ 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 : _____