**ARC Week at Glance**

**Subject: Math Course: Advanced Algebra Concepts & Connections Grade: 9th – 12th Dates: 4/21 to 4/25**

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| **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.  AA.MM.1.4 Use various mathematical representations and structures to represent and solve real-life problems.  **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 how to graph Sinusoidal functions | I can graph f(x) = sin x | Evaluating and Graphing Trig Functions Part I | Evaluating and Graphing Trig Functions Part II | Evaluating and Graphing Trig Functions Part III | What’s the domain? Range? Amplitude? Midline? Intercepts? |
| **Tuesday** | No Class Today  Due to Testing Schedule |  |  |  |  |  |
| **Wednesday** | I am learning how to graph Sinusoidal functions | I can graph f(x) = cos x | Evaluating and Graphing Trig Functions Part IV | Evaluating and Graphing Trig Functions Part V | Evaluating and Graphing Trig Functions Part VI | What’s the domain? Range? Amplitude? Midline? Intercepts? |
| **Thursday** | Advanced Algebra takes  US History EOC  during 1st Period Block |  |  |  |  |  |
| **Friday** | I am learning about trig functions and the unit circle. | All Unit 6  (Review) | Compare and contrast graphs of sin and cosine functions | Unit 6 Practice Part a’s | Check with partner | What do you know? What do you need to now? |

**\*** 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 : \_\_\_\_\_\_\_\_\_\_\_