**ARC Week at Glance**

**Subject: Math Course: Advanced Algebra Concepts & Connections Grade: 9th – 12th Dates: 4/28 to 5/2**

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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** | No First Period today due to EOC Testing |  |  |  |  |  |
| **Tuesday** | I am learning about trig functions and the unit circle. | All Unit 6  (Review) | Check  Unit 6 Practice Part a’s | Unit 6 Practice Part b’s  \*Formative | Exemplars, do not’s, self-assessments | What do you know? What do you need to now? |
| **Wednesday** | I am learning about trig functions and the unit circle. | All Unit 6 (Assessment) | Quick Study | Unit 6 Test  \*Summative |  |  |
| **Thursday** | I am learning about performing operations with rational expressions. | I can simplify rational expressions. | Simplify the following  1.  2.  3.  4.  5.  6. | Teacher models examples with Simplifying Rational Expressions from RCK Flexbook page 303 | Groups complete Algebra with Pizzazz page 107 | Explain how you reduced/simplifies each expression in the opener. |
| **Friday** | I am learning about performing operations with rational expressions. | I can simplify rational expressions. | Let partners pick one problem to do and share from Rational Expressions Worksheet #2 | Model examples and guided practice with #’s 1 – 10 on Practice 9.4 A (McDougal Littell Practice Workbook | #’s 1 – 7 on Practice 9.4 B from McDougal Littell Practice Workbook | At what point can you be confident an expression is in simplest form? |

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