**ARC Week at Glance**

**Subject: Math Course: Advanced Algebra Concepts & Connections Grade: 9th – 12th Dates: 2/17 to 2/21**

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| **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.  **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** | Holiday |  |  |  |  |  |
| **Tuesday** | Learn@Home |  |  | Desmos- Zero Zappers Activity |  |  |
| **Wednesday** | I am learning about matrices. | I can define and describe matrices and I can add and subtract matrices. | Read Central High Booster Club article and construct matrices to display data, | Teacher models and provides guided practice on McDougal Littell Practice 4.1A  ODDS | McDougal Littell Practice 4.1A  EVENS | See Opening |
| **Thursday** | I am learning how to perform operations with matrices. | I can add, subtract and perform scaler multiplication with matrices. | Check Evens on McDougal Littell Practice 4.1A, compare with partner | McDougal Littell Practice 4.1B | Check McDougal Littell Practice 4.1B  (Show exemplars and do nots) | What is the additive identity matrix? How can you determine whether two matrices are additive inverses? |
| **Friday** | I am learning how to perform operations with matrices. | I can multiply matrices. | Explain that matrix multiplication is defined only when the # of columns in the first equals the # of rows in the second, then assign #’s 1 – 4 on  McDougal Littell Practice 4.2B | Model Matrix Multiplication on  #’s 5 – 9 then use  TI-84 to perform operations with the rest on McDougal Littell Practice 4.2B | Now you can go back and try some addition, subtraction and scaler multiplication we did Wed, and Thurs. using the I-84 | Which exercises were impossible to work? Why? |

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