**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 4.1AODDS | McDougal Littell Practice 4.1AEVENS | 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 onMcDougal Littell Practice 4.2B | Model Matrix Multiplication on#’s 5 – 9 then useTI-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 [x]  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 [x]  Worked Examples [ ]  Other : \_\_\_\_\_\_\_\_\_\_\_