**ARC Week at Glance**

**-Subject: Mathematics Course: Algebra Grade:**  **9-12 Date: 10/6/2025**

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| **Standard(s):**  **A.MP Display perseverance and patience in problem-solving. Demonstrate skills and strategies needed to succeed in mathematics, including critical thinking, reasoning, and effective collaboration and expression. Seek help and apply feedback. Set and monitor goals.**  **A.MM.1: Apply mathematics to real-life situations; model real-life phenomena using mathematics. • A.MM.1.5 - Define appropriate quantities for the purpose of descriptive modeling.**  **A.NR.5 Investigate rational and irrational numbers and rewrite expressions involving square roots and cube roots.**   * **A.NR.5.2 Using numerical reasoning, show and explain that the sum or product of rational numbers is rational, the sum of a rational number and an irrational number is irrational, and the product of a nonzero rational number and an irrational number is irrational. Assessment(s):  Quiz  Unit Test  Project  Lab  None** | | | |
|  | **Learning Target**  **(I am learning about…)** | **Success Criteria**  **(I can….)** | **Lesson/Activities of the Day** | **Literacy Tasks/Focus** |
| **Monday** | I am learning how to distinguish between rational and irrational numbers. | I can distinguish between rational and irrational numbers. | Opening: Diagnostic Assessment – Is it rational?  Mini- Lesson: The Real Number System Guided Notes   * Students will practice classifying rational and irrational numbers. | Students will use math terminology to classify rational and irrational numbers. |
| **Tuesday** | I am learning how to distinguish between rational and irrational numbers. | I can distinguish between rational and irrational numbers. | Opening:  Mini- Lesson: The Real Number System Guided Notes   * Students will practice classifying rational and irrational numbers. | Students will use math terminology to classify rational and irrational numbers. |
| **Wednesday** | I am learning how to distinguish between rational and irrational numbers. | I can distinguish between rational and irrational numbers. | Apply Activity: Students will work in groups and complete the “The Real Number System” collaborative activity.  Assess: TOTD | Students will use math terminology to classify rational and irrational numbers. |
| **Thursday** | I am learning how to distinguish between rational and irrational numbers. | I can distinguish between rational and irrational numbers. | Learn From Home – Students will complete The Real Number System  Practice. | Students will use math terminology to classify rational and irrational numbers. |
| **Friday** | I am learning how to distinguish between rational and irrational numbers. | I can distinguish between rational and irrational numbers. | Learn From Home – Students will complete The Real Number System Practice. | Students will use math terminology to determine and describe the solutions and nonsolutions of a two-variable inequality. |

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