**ARC Week at Glance**

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

|  |
| --- |
| **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):** [x]  **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 SystemPractice. | 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. |

**\***[x]  Exit Ticket/Final Stretch Check [ ]  Electronic Tools [ ]  Dry Erase Boards – quick checks [x]  Turn & Talk Discussion (verbal responses) [ ]  Teacher Observation – document Clipboard

 [x]  Quick Write/Draw [ ]  Annotation [ ]  Extended Writing [ ]  Socratic Seminar [ ]  Jigsaw [ ]  Thinking Maps [ ]  Worked Examples [ ]  Other :\_\_\_\_\_\_\_\_\_\_\_