**ARC Week at Glance**

**-Subject: Mathematics Course: Algebra: Concepts & Connections Grade:** **9th – 12th Date: 9/29/2025**

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| **Standard(s):** A.PAR.4.1 Create and solve linear inequalities in two variables to represent relationships between quantities including mathematically applicable situations; graph inequalities on coordinate axes with labels and scales.  A.PAR.4.2 Represent constraints of linear inequalities and interpret data points as possible or not possible.  A.PAR.4.3 Solve systems of linear inequalities by graphing, including systems representing a mathematically applicable situation.  **Assessment(s):  Quiz  Unit Test  Project  Lab  None** | | | |
|  | **Learning Target**  **(I am learning about…)** | **Success Criteria**  **(I can….)** | **Lesson/Activities of the Day** | **Assignments/Formative Assessment** |
| **Monday** | I am learning to solve linear inequalities in one variable | I can solve linear inequalities in one variable | Teacher will review with the students how to solve linear inequalities in one variable. Teacher will provide guide practice over solving two and multistep inequalities. Students will complete classwork over solving linear inequalities in one variable.  Teacher will provide one on one time and small group for students | Assignments over Solving Linear Inequalities in One Variable |
| **Tuesday** | I am learning to construct and interpret the graph of a linear function  I am learning to create and interpret system of linear inequalities  I am learning to solve linear inequalities in one variable | I can construct and interpret the graph of a linear function  I can create and interpret system of linear inequalities  I can solve linear inequalities in one variable | Teacher will review with the students and provide a study guide over the following:   * Creating Linear Inequalities from one variable * Creating Linear Inequalities from two variables * Making inferences from the created linear inequalities * Creating a system of linear inequalities * Graphing systems of linear inequalities * Making inferences from created system of linear inequalities * Solving linear inequalities in one variable | Unit 2 Study Guide |
| **Wednesday** | I am learning to construct and interpret the graph of a linear function  I am learning to create and interpret system of linear inequalities  I am learning to solve linear inequalities in one variable | I can construct and interpret the graph of a linear function  I can create and interpret system of linear inequalities  I can solve linear inequalities in one variable | Unit 2 Post - Assessment | Unit 2 Post Assessment |
| **Thursday** | I am learning to construct and interpret the graph of a linear function  I am learning to create and interpret system of linear inequalities  I am learning to solve linear inequalities in one variable  I am learning to distinguish between rational and irrational numbers | I can construct and interpret the graph of a linear function  I can create and interpret system of linear inequalities  I can solve linear inequalities in one variable  I can distinguish between rational and irrational numbers | Unit 2 Post – Assessment  Afterwards, teacher will discuss the difference between rational and irrational numbers. Students will participate in an activity over finding which numbers fit into the category of rational and irrational numbers. | Rational/Irrational Activity |
| **Friday** | I am learning to distinguish between rational and irrational numbers  I am learning to simplify radical expressions | I can distinguish between rational and irrational numbers  I can simplify radical expressions | Teacher will continue to discuss the characteristics of rational and irrational numbers. Teacher will lead discussion into simplifying radical expressions. Teacher will discuss how to simplify radical expressions. | Assessment over Linear Inequalities |

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