**ARC Week at Glance**

**-Subject: Mathematics Course: Algebra: Concepts & Connections Grade:** **9th – 12th Date: 10/21/2024**

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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.  **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 write and graph simple inequalities  I am learning about linear inequalities on the coordinate plane | I can write and graph simple inequalities  I can solve and graph linear inequalities on the coordinate plane | Teacher will introduce linear inequalities.   * Teacher will review how to write and graph simple inequalities * Teacher will review how to solve linear inequalities * Teacher will provide step by step explanation of how to solve linear inequalities * Teacher will also discuss constraints about the linear inequality | Solving Linear Inequalities TOTD 1 |
| **Tuesday** | I am learning to write and graph simple inequalities  I am learning about linear inequalities on the coordinate plane | I can write and graph simple inequalities  I can solve and graph linear inequalities on the coordinate plane | Teacher will introduce linear inequalities.   * Teacher will review how to write and graph simple inequalities * Teacher will review how to solve linear inequalities * Teacher will provide step by step explanation of how to solve linear inequalities * Teacher will also discuss constraints about the linear inequality   Teacher will discuss how to graph linear inequalities on the number line   * Teacher will discuss the process of graphing linear inequalities on the coordinate plane * Teacher will have students view the various constraints that the inequality produces by graphing the inequality on the coordinate plane | Solving Linear Inequalities TOTD 2 |
| **Wednesday** | I am learning to write and graph simple inequalities  I am learning about linear inequalities on the coordinate plane | I can write and graph simple inequalities  I can solve and graph linear inequalities on the coordinate plane | Teacher will introduce linear inequalities.   * Teacher will review how to write and graph simple inequalities * Teacher will review how to solve linear inequalities * Teacher will provide step by step explanation of how to solve linear inequalities * Teacher will also discuss constraints about the linear inequality   Teacher will discuss how to graph linear inequalities on the number line   * Teacher will discuss the process of graphing linear inequalities on the coordinate plane   Teacher will have students view the various constraints that the inequality produces by graphing the inequality on the coordinate plane | Solving and Graphing Linear Inequalities Practice 1  Graphing Linear Inequalities TOTD 1 |
| **Thursday** | I am learning to write and graph simple inequalities  I am learning about linear inequalities on the coordinate plane | I can write and graph simple inequalities  I can solve and graph linear inequalities on the coordinate plane | Teacher will introduce linear inequalities.   * Teacher will review how to solve linear inequalities * Teacher will provide step by step explanation of how to solve linear inequalities * Teacher will also discuss constraints about the linear inequality   Teacher will discuss how to graph linear inequalities on the number line   * Teacher will discuss the process of graphing linear inequalities on the coordinate plane   Teacher will have students view the various constraints that the inequality produces by graphing the inequality on the coordinate plane | Solving and Graphing Linear Inequalities Practice 1 |
| **Friday** | I am learning to write and graph simple inequalities  I am learning about linear inequalities on the coordinate plane | I can write and graph simple inequalities  I can solve and graph linear inequalities on the coordinate plane | Formative Assessment over Solving and Graphing Linear Inequalities | Formative Assessment |

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