**ARC Week at Glance**

**-Subject: Mathematics Course: Geometry Grade:**  **9-12 Date: 8/4/2025**

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| **Standard(s): G.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.**  **G.PAR.2 Interpret the structure of and perform operations with polynomials within a geometric framework.**   * **G.PAR.2.1 Interpret polynomial expressions of varying degrees that represent a quantity in terms of its given geometric framework.**   **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** |  |  | Pre-Planning | . |
| **Tuesday** | I am learning how to describe polynomial expressions by using the terms coefficient, variable and constant term.  I am learning how to classify polynomial expressions by number of terms and degree. | I can describe polynomial expressions by using the terms coefficient, variable and constant term.  I can classify polynomial expressions by number of terms and degree. | Mini-Lesson: Introduction to Classroom expectation and course syllabus. | Students will use math terminology to describe and classify polynomials. |
| **Wednesday** | I am learning how to describe polynomial expressions by using the terms coefficient, variable and constant term.  I am learning how to classify polynomial expressions by number of terms and degree. | I can describe polynomial expressions by using the terms coefficient, variable and constant term.  I can classify polynomial expressions by number of terms and degree. | Opening: Which One Doesn’t Belong  Mini-Lesson: Students will complete Intro to Polynomials Guided Notes | Students will use math terminology to describe and classify polynomials. |
| **Thursday** | I am learning how to describe polynomial expressions by using the terms coefficient, variable and constant term.  I am learning how to classify polynomial expressions by number of terms and degree. | I can describe polynomial expressions by using the terms coefficient, variable and constant term.  I can classify polynomial expressions by number of terms and degree. | Bell Work- Describing and Classifying Polynomials Diagnostic Assessment  Mini-Lesson: Writing polynomials in standard form and combining like terms Guided Notes. | Students will use math terminology to describe and classify polynomials. |
| **Friday** | I am learning how to describe polynomial expressions by using the terms coefficient, variable and constant term.  I am learning how to classify polynomial expressions by number of terms and degree. | I can describe polynomial expressions by using the terms coefficient, variable and constant term.  I can classify polynomial expressions by number of terms and degree. | Engage Activity: Classifying Polynomials Desmos Activity (Whole-Group)  Apply Activity: Students will work in pairs to create the Highest Degree Polynomial. (Manipulatives: Number Cards)  TOTD: Describing and Classifying Polynomials Reflection | Students will use math terminology to describe and classify polynomials. |

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