**ARC Week at Glance**

**-Subject: Mathematics Course: Geometry Grade:**  **9-12 Date: 8/18/2025**

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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.** * **• G.PAR.2.2 Perform operations with polynomials and prove that polynomials form a system analogous to the integers in that they are closed under these operations.** * **• G.PAR.2.3 Using algebraic reasoning, add, subtract, and multiply single variable polynomials.**   **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 perform operations with monomials, binomials, trinomials, and other polynomials in geometric contexts.  I am learning how to use algebraic reasoning to multiply single variable polynomials. | I can perform operations with monomials, binomials, trinomials, and other polynomials in geometric contexts.  I can use algebraic reasoning to multiply single variable polynomials. | Bell Work: Review Adding and Subtracting Polynomials  Mini- Lesson: Multiplying Monomials by Polynomials.  Reflect: TOTD | Students will use math terminology to simplify and multiply polynomials. |
| **Tuesday** | I am learning how to perform operations with monomials, binomials, trinomials, and other polynomials in geometric contexts.  I am learning how to use algebraic reasoning to multiply single variable polynomials. | I can perform operations with monomials, binomials, trinomials, and other polynomials in geometric contexts.  I can use algebraic reasoning to multiply single variable polynomials. | Bell Work: Multiplying Monomials by Polynomials  Mini-Lesson: Multiplying binomials by binomials.  Reflect: TOTD | Students will use math terminology to simplify and multiply polynomials. |
| **Wednesday** | I am learning how to perform operations with monomials, binomials, trinomials, and other polynomials in geometric contexts.  I am learning how to use algebraic reasoning to multiply single variable polynomials. | I can perform operations with monomials, binomials, trinomials, and other polynomials in geometric contexts.  I can use algebraic reasoning to multiply single variable polynomials. | MAP Diagnostic Assessment (Block Schedule)  If students finish early, student will work on Multiplying Polynomials Activity. | Students will use math terminology to simplify and multiply polynomials. |
| **Thursday** | I am learning how to perform operations with monomials, binomials, trinomials, and other polynomials in geometric contexts.  I am learning how to use algebraic reasoning to multiply single variable polynomials. | I can perform operations with monomials, binomials, trinomials, and other polynomials in geometric contexts.  I can use algebraic reasoning to multiply single variable polynomials. | MAP Diagnostic Assessment (Block Schedule)  If students finish early, student will work on Multiplying Polynomials Activity. | Students will use math terminology to simplify and multiply polynomials. |
| **Friday** | I am learning how to perform operations with monomials, binomials, trinomials, and other polynomials in geometric contexts.  I am learning how to use algebraic reasoning to multiply single variable polynomials. | I can perform operations with monomials, binomials, trinomials, and other polynomials in geometric contexts.  I can use algebraic reasoning to multiply single variable polynomials. | MAP Diagnostic Assessment (Block Schedule)  If students finish early, student will work on Multiplying Polynomials Activity. | Students will use math terminology to simplify and multiply 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 :\_\_\_\_\_\_\_\_\_\_\_