**ARC Week at Glance**

**-Subject: Mathematics Course: Geometry Grade:**  **9-12 Date: 9/1/2025**

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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):** [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** | Labor Day |  |  |   |
| **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. | 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. | 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. | Student will work on Multiplying Polynomials Activity. |  Students will use math terminology to simplify and multiply polynomials.  |

**\***[x]  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 :\_\_\_\_\_\_\_\_\_\_\_