**ARC Week at Glance**

**-Subject: Mathematics Course: Advance Algebra: Concepts & Connections Grade:** **10th – 12th Date: 1/7/2024**

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| **Standard(s):** AA.FGR.5.1 Graph and analyze quadratic functions in contextual situations and include analysis of data sets with regressions.  **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 about graphs of quadratic functions. | I can identify the domain, range, vertex, and axis of symmetry for each function. | Teacher will discuss with the students about graphing quadratic functions in standard form  Learning Task: Graphing Parabolas in Standard Form  Teacher will Complete #1 on the Teaching and Learning Task for Graphing Parabolas in standard form.  Afterwards, teacher will model and provide guided practice for #’s 2 -5 on the Teaching and Learning Task for Graphing Parabolas in standard form.  #8 on the Teaching and Learning Task for Graphing Parabolas in standard form. \*ticket out the door\* | Learning Task: Graphing Parabolas in Standard Form |
| **Tuesday** | I am learning about graphs of quadratic functions. | I can identify the domain, range, vertex, and axis of symmetry for each function. | Teacher will continue to discuss with the students about graphing quadratic functions in standard form.  Teacher will discuss #’s 1, 2, 3, and 4 on Practice on Parabolas.  Teacher will ask groups of students to share their answer with the class.  Students will Complete #’s 5 – 10 on Practice on Parabolas \*Formative | Practice over Parabolas |
| **Wednesday** | I am learning about graphs of quadratic functions. | I can identify the domain, range, vertex, and axis of symmetry for each function. | Teacher will discuss Graphing Quadratic Functions in vertex form:  Teacher will complete #’s 1 – 4 on Teaching and Learning Task for Graphing Parabolas in vertex form with students.  Teacher will then model and provide guided practice for #’s 5 -7 on the Teaching and Learning Task for Graphing Parabolas in vertex form.  #8 on the Teaching and Learning Task for Graphing Parabolas in vertex form will be the ticket out the door. | Learning Task Graphing Parabolas in Vertex Form |
| **Thursday** | I am learning about graphs of quadratic functions. | I can identify the domain, range, vertex, and axis of symmetry for each function. | Teacher will continue to discuss Graphing Quadratic Functions in vertex form:  Teacher will complete #’s 9-10 on the Teaching and Learning Task for Graphing Parabolas in vertex form  Teacher will then model and provide guided practice for #’s 11 - 13 on the Teaching and Learning Task for Graphing Parabolas in vertex form  #” 14 – 15 on the Teaching and Learning Task for Graphing Parabolas in vertex form \*ticket out the door\* | Learning Task Graphing Parabolas in Vertex Form |
| **Friday** | I am learning about graphs of quadratic functions. | I can identify the domain, range, vertex, and axis of symmetry for each function. | Quick Review of Parabolas in Standard and Vertex Form  Quick Quiz over Parabolas in Standard and Vertex Form | Quick Quiz over Parabolas in Standard and Vertex Form |

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