**ARC Week at Glance**

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

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| **Standard(s):** AA.FGR.4.4 Create, interpret and solve radical equations with one unknown value and use them to solve problems that model real- world situations.  AA.FGR.4.3 Analyze and graph radical functions.  **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 rational exponents.  I am learning about solving equations with radicals and rational exponents | I can express expression with rational exponents in radical form and evaluate them.  I can solve equations with square roots, cube roots and other roots algebraically | Solving Equations with Radicals:  Teacher will guide students practice problems dealing with solving equations with radicals.  Teacher will discuss the proper procedures when dealing with problems that have the 2nd root, 3rd root, 4th root and further.  Teacher will provide guided practice problems to aid further understanding.  Teacher will use cold-call technique to ask different questions and allow students to work out problems on the promethean board.  Students will use guided practice problems as study guide for formative assessment.  Teacher will provide 1 on 1 and small group for students that need extra help. | Study Guide over Solving Equations with Radicals |
| **Tuesday** | I am learning about rational exponents.  I am learning about solving equations with radicals and rational exponents | I can express expression with rational exponents in radical form and evaluate them.  I can solve equations with square roots, cube roots and other roots algebraically | (Review) Solving Equations with Radicals:  Teacher will guide students practice problems dealing with solving equations with radicals.  Teacher will discuss the proper procedures when dealing with problems that have the 2nd root, 3rd root, 4th root and further.  Teacher will provide guided practice problems to aid further understanding.  Teacher will use cold-call technique to ask different questions and allow students to work out problems on the promethean board.  Students will use guided practice problems as study guide for formative assessment.  Teacher will provide 1 on 1 and small group for students that need extra help.  Students will then transition into Formative Assessment over Solving Equations with Radicals | Study Guide over Solving Equations with Radicals  Formative over Solving Equations with Radicals |
| **Wednesday** | I am learning about rational exponents.  I am learning about solving equations with radicals and rational exponents | I can express expression with rational exponents in radical form and evaluate them.  I can solve equations with square roots, cube roots and other roots algebraically | Students will conduct MAP Testing  Teacher will give out study guide for 1st Semester Exam | MAP Testing  1st Semester Study Gide |
| **Thursday** | I am learning about rational exponents.  I am learning about solving equations with radicals and rational exponents | I can express expression with rational exponents in radical form and evaluate them.  I can solve equations with square roots, cube roots and other roots algebraically | Students will conduct MAP Testing  Teacher will give out study guide for 1st Semester Exam | MAP Testing  1st Semester Study Gide |
| **Friday** | I am learning about rational exponents.  I am learning about solving equations with radicals and rational exponents | I can express expression with rational exponents in radical form and evaluate them.  I can solve equations with square roots, cube roots and other roots algebraically | Students will conduct MAP Testing (students that are not finish)  Teacher will give out study guide for 1st Semester Exam  Teacher will review 1st Semester Study Guide | MAP Testing  1st Semester Study Gide |

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