**ARC Week at Glance**

**Subject: Math Course: Advanced Algebra Concepts & Connections Grade: 9th – 12th Dates: 12/9 to 12/13**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Standard(s):**  AA.FGR.4.3 Analyze and graph radical functions.  **Assessment(s):  Quiz  Unit Test  Project EXAM PREP** | | | | | | |
|  | **Learning Target**  **(I am learning about…)** | **Criteria for Success**  **(I can…)** | **Opening**  *(10 - 15 Mins)* | **Work-Session**  *(20 - 25 mins)* | **Closing**  *(5 - 10 mins)* | **Literacy Tasks/Focus** |
| *(Include at least one/two formatives\*in any part of the lesson as needed)* | | |
| **Monday** | I am learning about how to graph radical functions. | I can graph square and cube root functions. | Describe the transformations on | Complete Practice on Graphing Square and Cube Root Functions | State the domain and range of each function. | Why are there restrictions on the domain of square root functions? Why aren’t there restrictions on graphs of cube root functions? |
| **Tuesday** | I am learning about how to graph radical functions. | I can graph square and cube root functions. | Describe the transformations on | Quiz on Graphing Square and Cube Root Functions | Began Exam Prep and Review – complete at least #’s 1 – 14  by tomorrow! | Why are there restrictions on the domain of square root functions? Why aren’t there restrictions on graphs of cube root functions? |
| **Wednesday** | Review Unit 1  Descriptive and Inferential Statistics | 80% or higher mastery on #’s 1 – 14 of the Exam Prep Formative Assessment | Check  #’s 1 – 14 | Modeling, guidance, Q&A and exemplars with  #’s 1 – 14 | Self-Reflection then begin #’s 15 – 21 and finish for homework! | What do you know? What do you need to study and practice more? |
| **Thursday** | Review Unit 2  Exponential and Logarithmic Equations | 80% or higher mastery  on #’s 15 – 21  Exam Prep Formative Assessment | Check  #’s 15 – 21 | Modeling, guidance, Q&A and exemplars with  #’s 15 – 21 | Self-Reflection then begin #’s 22 – 25 and finish for homework! | What do you know? What do you need to study and practice more? |
| **Friday** | Review Unit 3  Radical Functions | 80% or higher mastery  on #’s 22 – 25  Exam Prep Formative Assessment | Check  #’s 22 – 25 | Modeling, guidance, Q&A and exemplars with  #’s 15 – 21 | Self-Reflection  then STUDY! Exam is Monday!  Summative | What do you know? What do you need to study and practice more? |

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