**ARC Week at Glance**

**-Subject: Mathematics Course: Advance Algebra: Concepts & Connections Grade:** **10th – 12th Date: 9/15/2025**

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| **Standard(s):** AA.DSR.2.2 When collecting and considering data, critically evaluate ethics, privacy, potential bias, and confounding variables along with their implications for interpretation in answering a statistical investigative question. Implement strategies for organizing and preparing big data sets.  AA.DSR.2.3 Distinguish between population distributions, sample data distributions, and sampling distributions. Use sample statistics to make inferences about population parameters based on a random sample from that population and to communicate conclusions using appropriate statistical language.  AA.DSR.2.4 Calculate and interpret z-scores as a measure of relative standing and as a method of standardizing units.  AA.DSR.2.5 Given a normally distributed population, estimate percentages using the Empirical Rule, z-scores, and technology.  AA.FGR.3.1 Find the inverse of exponential and logarithmic functions using equations, tables, and graphs, limiting the domain of inverses where necessary to maintain functionality, and prove by composition or verify by inspection that one function is the inverse of another  **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 to distinguish between various distributions and use sample statistics to make inferences and conclusions | I can distinguish between various distributions and use sample statistics to make inferences and conclusions | Review Study Guide with the Students over Unit 1 Assessment | Unit 1 Study Guide |
| **Tuesday** | I am learning to distinguish between various distributions and use sample statistics to make inferences and conclusions | I can distinguish between various distributions and use sample statistics to make inferences and conclusions | Students will complete Unit 1 Assessment | Unit 1 Assessment |
| **Wednesday** | I am learning to distinguish between various distributions and use sample statistics to make inferences and conclusions | I can distinguish between various distributions and use sample statistics to make inferences and conclusions | Students will complete Unit 1 Assessment | Unit 1 Assessment |
| **Thursday** | I am learning to find the inverse of exponential and logarithmic functions using equations, tables and graphs | I can find the inverse of exponential and logarithmic functions using equations, tables and graphs | Students will have a Canvas lesson that discuss finding the inverse of exponential and logarithmic functions using equations, tables, and graphs, limiting the domain of inverses where necessary to maintain functionality, and prove by composition or verify by inspection that one function is the inverse of another | Canvas Lesson with Assignments and Discussions over inverse of exponential and logarithmic functions |
| **Friday** | I am learning to find the inverse of exponential and logarithmic functions using equations, tables and graphs | I can find the inverse of exponential and logarithmic functions using equations, tables and graphs | Students will have a Canvas lesson that discuss finding the inverse of exponential and logarithmic functions using equations, tables, and graphs, limiting the domain of inverses where necessary to maintain functionality, and prove by composition or verify by inspection that one function is the inverse of another | Canvas Lesson with Assignments and Discussions over inverse of exponential and logarithmic functions |

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