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| Standard: **AA.FGR.3 Explore and analyze structures and patterns for exponential and logarithmic functions and use exponential and logarithmic expressions, equations, and functions to model real-life phenomena.****Assessment**: ☐ Quiz ☐ Unit Test ☐ Project ☐ Lab ☐ None |
|  | *C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp* **Learning Target** **Success Criteria 1** **Success Criteria 2** | **Activation of Learning***(5 min)* | **Focused Instruction***(10 min)****\*I DO*** | **Guided Instruction***(10 min)****\*WE DO*** | **Collaborative****Learning***(10 min)****\*Y’ALL DO*** | **Independent Learning***(10 min)****\*YOU DO*** | **Closing***(5 min)* |
| * Do Now
* Quick Write\*
* Think/Pair/Share
* Polls
* Notice/Wonder
* Number Talks
* Engaging Video
* Open-Ended Question
 | * Think Aloud
* Visuals
* Demonstration
* Analogies\*
* Worked Examples
* Nearpod Activity
* Mnemonic Devices\*
 | * Socratic Seminar \*
* Call/Response
* Probing Questions
* Graphic Organizer
* Nearpod Activity
* Digital Whiteboard
 | * Jigsaw\*
* Discussions\*
* Expert Groups
* Labs
* Stations
* Think/Pair/Share
* Create Visuals
* Gallery Walk
 | * Written Response\*
* Digital Portfolio
* Presentation
* Canvas Assignment
* Choice Board
* Independent Project
* Portfolio
 | * Group Discussion
* Exit Ticket
* 3-2-1
* Parking Lot
* Journaling\*
* Nearpod
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| **Monday** | **Learning Objective (LO)****Students will demonstrate mastery of exponential and logarithmic functions by solving problems, applying properties, and justifying reasoning in preparation for the Unit 2 Assessment.****Success Criteria (SC)****I can evaluate, simplify, and transform exponential and logarithmic expressions.****I can apply properties of exponents and logarithms to solve equations.****I can interpret and model real-world situations using exponential and logarithmic functions.****I can demonstrate mastery on the Unit 2 assessment with accuracy and explanation of reasoning.** | Quick warm-up with 3 review questions (mix of exponential growth/decay & logarithm evaluation | Teacher models solving exponential equations with logs. | Class works through 2–3 study guide questions together. | In pairs, students compare answers and justify steps. | Students work independently on study guide problems. | Exit ticket – “Explain one strategy for solving a log equation.” |
| **Tuesday** | **Learning Objective (LO)****Students will demonstrate mastery of exponential and logarithmic functions by solving problems, applying properties, and justifying reasoning in preparation for the Unit 2 Assessment.****Success Criteria (SC)****I can evaluate, simplify, and transform exponential and logarithmic expressions.****I can apply properties of exponents and logarithms to solve equations.****I can interpret and model real-world situations using exponential and logarithmic functions.****I can demonstrate mastery on the Unit 2 assessment with accuracy and explanation of reasoning.** | Review yesterday’s exit ticket; correct misconceptions. | Teacher models solving logarithmic equations using properties (change of base, product/quotient/power rules) | Class practices problems involving log properties. | Small groups solve application word problems (e.g., population growth, pH scale). | Students complete 5 practice problems on their study guide. | Rate your confidence level for the test (1–5) and name one area to review |
| **Wednesday** | **Learning Objective (LO)****Students will demonstrate mastery of exponential and logarithmic functions by solving problems, applying properties, and justifying reasoning in preparation for the Unit 2 Assessment.****Success Criteria (SC)****I can evaluate, simplify, and transform exponential and logarithmic expressions.****I can apply properties of exponents and logarithms to solve equations.****I can interpret and model real-world situations using exponential and logarithmic functions.****I can demonstrate mastery on the Unit 2 assessment with accuracy and explanation of reasoning.** | Short Kahoot/Quizizz review on exponential properties | Teacher reviews common errors from study guide. | Teacher + students go over selected tough problems. | Students create 2 original exponential/logarithmic problems and trade with a partner. | Final study guide completion. | What strategy will you use first when you see a log or exponential equation on the test?” |
| **Thursday** | **Learning Objective (LO)****Students will demonstrate mastery of exponential and logarithmic functions by solving problems, applying properties, and justifying reasoning in preparation for the Unit 2 Assessment.****Success Criteria (SC)****I can evaluate, simplify, and transform exponential and logarithmic expressions.****I can apply properties of exponents and logarithms to solve equations.****I can interpret and model real-world situations using exponential and logarithmic functions.****I can demonstrate mastery on the Unit 2 assessment with accuracy and explanation of reasoning.** | Quick motivational review and reminders. | Clarify instructions, answer student questions. | **UNIT 2 ASSESSMENT** | Which question type was easiest for you? Hardest? |
| **Friday** | **Learning Objective (LO)****Students will demonstrate mastery of exponential and logarithmic functions by solving problems, applying properties, and justifying reasoning in preparation for the Unit 2 Assessment.****Success Criteria (SC)****I can evaluate, simplify, and transform exponential and logarithmic expressions.****I can apply properties of exponents and logarithms to solve equations.****I can interpret and model real-world situations using exponential and logarithmic functions.****I can demonstrate mastery on the Unit 2 assessment with accuracy and explanation of reasoning.** | Quick number sense warm-up with exponential simplifications. | **DELTA MATH ASSIGNMENT – EXPONENTIAL PROPERTIES** | One helpful trick I used on DeltaMath was |

*\*key literacy strategies*