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| **Standard(s)**:  AA.MM.1 Apply mathematics to real-life situations; model real-life phenomena mathematics.  AA.MP.1-5 Display perseverance and patience in problem-solving. Demonstrate skills and strategies needed to succeed in mathematics, including critical thinking, reasoning, and effective collaboration and expression.  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** | | | | | | | |
|  | **Pre-Teaching**  *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 |
| **Monday**  **11-04-24** | *C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp*  I’m am learning to solve exponential equations using a common base.  I can solve exponential equations using a common base. | Bell-ringer/Do Now Activity  What do you remember about solving equations in algebra? | Work Examples and  Visuals  Teacher will give examples of how to solve exponential equations using a common base. | Guided notes/video/Power point  Students will take notes on solving exponential equations using a common base. | Practice Problems  Think/Pair/Share, Discussions  Students will have an opportunity to work with partners. | Practice Handout/worksheet  Students will work individually on practice problems. | Group Discussion/Exit Ticket  What did you learn about solving exponential equations using a common base. |
| **Tuesday**  **11-05-24** | *C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp*  I’m am learning to solve logarithmic equations  I can solve logarithmic equations. | Bell-ringer/Do Now Activity  What do you remember from Monday’s lesson about solving exponential equations with common bases? | Work Examples and  Visuals  Teacher will give examples of how to solve logarithmic equations. | Guided notes/video/Power point  Students will take notes on solving logarithmic equations. | Practice Problems  Think/Pair/Share, Gallery Walk, Discussions  Students will have an opportunity to work with partners. | Practice Handout/worksheet  Students will work individually on practice problems. | Group Discussion/Exit Ticket  What did you learn about solving logarithmic equations? |
| **Wednesday**  **11-06-24** | *C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp*  I’m am learning to solve exponential & logarithmic equations    I can solve exponential & logarithmic equations. | Bell-ringer/Do Now Activity  Write what you learned from solving logarithmic equations, what stood out about it? | Work Examples and  Visuals  Teacher will give examples of how to solve exponential & logarithmic equations | Guided notes/video/Power point  Students will take notes on solving exponential & logarithmic equations | Practice Problems  Think/Pair/Share, Discussions  Students will have an opportunity to work with partners. | Practice Handout/worksheet  Students will work individually on practice problems. | Group Discussion/Exit Ticket  What did you learn about quotient property of logarithms? |
| **Thursday**  **11-07-24** | *C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp*  I’m am learning to solve exponential equations using logs.  I can solve exponential equations using logs. | Bell-ringer/Do Now Activity  Write what you learned from solving exponential & logarithmic equations, what stood out about it? | Work Examples and  Visuals  Teacher will give examples of how to solve exponential equations using logs. | Guided notes/video/Power point  Students will take notes on solving exponential equations using logs. | Practice Problems  Think/Pair/Share, Discussions  Students will have an opportunity to work with partners. | Practice Handout/worksheet  Students will work individually on practice problems. | Group Discussion/Exit Ticket  What did you learn about solving exponential equations using logs? |
| **Friday**  **11-08-24** | *C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp*  I’m am learning to solve exponential equations using logs.  I can solve exponential equations using logs. | Bell-ringer/Do Now Activity  Write what you learned from solving exponential & logarithmic equations, what stood out about it? | Work Examples and Visuals  Teacher will give examples of how to solve exponential equations using logs. | Guided notes  Students will take notes on solving exponential equations using logs. | Practice Problems  Students will have an opportunity to work with partners. | Practice Handout  Students will work individually on practice problems. | Group Discussion/Exit Ticket  What did you learn about solving exponential equations using logs. |

*\*key literacy strategy*