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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
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| **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 ActivityWhat do you remember about solving equations in algebra? | Work Examples andVisuals Teacher will give examples of how to solve exponential equations using a common base. | Guided notes/video/Power pointStudents will take notes on solving exponential equations using a common base. | Practice ProblemsThink/Pair/Share, Discussions Students will have an opportunity to work with partners. | Practice Handout/worksheetStudents will work individually on practice problems. | Group Discussion/Exit TicketWhat 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 ActivityWhat do you remember from Monday’s lesson about solving exponential equations with common bases?  | Work Examples andVisuals Teacher will give examples of how to solve logarithmic equations. | Guided notes/video/Power pointStudents will take notes on solving logarithmic equations. | Practice ProblemsThink/Pair/Share, Gallery Walk, Discussions Students will have an opportunity to work with partners. | Practice Handout/worksheetStudents will work individually on practice problems. | Group Discussion/Exit TicketWhat 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 equationsI can solve exponential & logarithmic equations. | Bell-ringer/Do Now ActivityWrite what you learned from solving logarithmic equations, what stood out about it? | Work Examples andVisuals Teacher will give examples of how to solve exponential & logarithmic equations | Guided notes/video/Power pointStudents will take notes on solving exponential & logarithmic equations | Practice ProblemsThink/Pair/Share, Discussions Students will have an opportunity to work with partners. | Practice Handout/worksheetStudents will work individually on practice problems. | Group Discussion/Exit TicketWhat 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 ActivityWrite what you learned from solving exponential & logarithmic equations, what stood out about it? | Work Examples andVisuals Teacher will give examples of how to solve exponential equations using logs. | Guided notes/video/Power pointStudents will take notes on solving exponential equations using logs. | Practice ProblemsThink/Pair/Share, Discussions Students will have an opportunity to work with partners. | Practice Handout/worksheetStudents will work individually on practice problems. | Group Discussion/Exit TicketWhat 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 ActivityWrite 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 notesStudents will take notes on solving exponential equations using logs. | Practice ProblemsStudents will have an opportunity to work with partners. | Practice HandoutStudents will work individually on practice problems. | Group Discussion/Exit TicketWhat did you learn about solving exponential equations using logs. |

*\*key literacy strategy*