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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 10-21-24** | *C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp*  I’m going to change the base formula on a logarithm  I can change the base formula on a logarithm | Bell-ringer/Do Now Activity  What do you know remember about working with logarithms from last week?  Students will be introduced to changing the base formula on a logarithm | Work Examples and  Visuals  Base formula/log  Teacher will give examples of how to change the base formula. | Guided notes/video/Power point  Base formula/log    Students will take notes on changing the base formula/log | Practice Problems  Think/Pair/Share, Discussions  Base formula/log  Students will have an opportunity to work with partners. | Practice Handout/worksheet  Base formula/log  Students will work individually on practice problems. | Group Discussion/Exit Ticket  Base formula/log  What did you learn about changing the base formula on a logarithm? |
| **Tuesday 10-22-24** | *C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp*  I’m am learning to identify natural logarithms  I can identify natural logarithms. | Bell-ringer/Do Now Activity  Are there any questions about base formula from yesterday’s lesson? | Work Examples and  Visuals  Natural logarithms  Teacher will give examples of how to identify Natural logarithms. | Guided notes/video/Power point  Natural logarithms    Students will take notes on Natural logarithms | Practice Problems  Think/Pair/Share, Gallery Walk, Discussions  Natural logarithms    Students will have an opportunity to work with partners. | Practice Handout/worksheet  Natural logarithms  Students will work individually on practice problems. | Group Discussion/Exit Ticket  Natural logarithms  What did you learn about Natural logarithms? |
| **Wednesday 10-23-24** | *C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp*  I’m going to review what I have learn thus far about logarithms.  I can show what I have learn thus far about logarithms. | Bell-ringer/Do Now Activity  Students will recall/list at least 5 things they remember learning thus far about logarithms. | Work Examples and  Visuals  Teacher will review and give examples of standards learned thus far about logarithms | Guided notes/video/Power point  Students will review and/or add on to previous notes taken about logarithms to prepare the quiz. | Practice Problems  Think/Pair/Share, Discussions  Students will have an opportunity to work with partners to review, discuss. to solve/calculate practice problems to prepare for the quiz on logarithms | Practice Handout/worksheet  Normal distribution and bell curve.  Students will work individually on practice problems. | Group Discussion/Exit Ticket  Did you learn any new skill/standard from the reviewing for the quiz?  Do you still have questions about logarithms? |
| **Thursday 10-24-24** | *C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp*  I’m going to review what I have learn thus far about logarithms.  I can show what I have learn thus far about logarithms. | Bell-ringer/Do Now Activity  Students will recall/list at least 5 things they remember learning thus far about logarithms. | Work Examples and  Visuals  Teacher will review and give examples of standards learned thus far about logarithms | Guided notes/video/Power point  Students will review and/or add on to previous notes taken about logarithms to prepare the quiz. | Practice Problems  Think/Pair/Share, Discussions  Students will have an opportunity to work with partners to review, discuss. to solve/calculate practice problems to prepare for the quiz on logarithms | Practice Handout/worksheet  Students will work individually on practice problems. | Group Discussion/Exit Ticket  Did you learn any new skill/standard from the reviewing for the quiz?  Do you still have questions about logarithms? |
| **Friday 10-25-24** | *C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp* I’m going to assess my knowledge of logarithms  I can assess my knowledge of logarithms | Bell-ringer/Do Now Activity  Are there still questions about what we learned thus far about logarithms?  Q & A session about logarithms before the assessment begins. | Work Examples and Visuals  Students will be given the logarithms quiz.  Students can use their notes and a calculator. | Guided notes  Students can use their notes and a calculator for the quiz. | Practice Problems  Students can use their notes and a calculator for the quiz. | Practice Handout  Students can use their notes and a calculator for the quiz. | Group Discussion/Exit Ticket  Students will turn in their completed quiz |

*\*key literacy strategy*