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| Standard: **AA.FGR.3.6 Create, interpret, and solve exponential equations to represent relationships between quantities and analyze the relationships numerically with tables, algebraically, and graphically.** Assessment: ☐ Quiz ☐ Unit Test ☐ Project ☐ Lab ☐ None (Quiz on Wednesday) | | | | | | | |
|  | *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** | **Learning Target: Review Graphing Exponential Functions and Solving Exponential Equations Success Criteria: - I can identify exponential functions from equations, tables, and graphs. - I can solve basic exponential equations using algebraic methods.** | Do Now: Quick review problem on identifying exponential functions. | Think Aloud: Model graphing an exponential function step by step. | Guided Practice: Solve exponential equations together as a class. | Think/Pair/Share: Compare exponential vs. linear graphs. | Independent Practice: Worksheet on graphing exponential functions. | Exit Ticket: Reflect on success criteria for the day. |
| **Tuesday** | **Learning Target: Review Graphing Exponential Functions and Solving Exponential Equations Success Criteria: - I can graph exponential growth and decay functions. - I can solve exponential equations using tables and graphs.** | Notice/Wonder: Look at real-world exponential graphs (population growth). | Visuals: Demonstration of exponential growth vs. decay. | Class Example: Solve exponential equations | Group Work: Graph given functions and compare results. | Practice problems on exponential graphs and solving equations. | Exit Ticket: Reflect on success criteria for the day. |
| **Wednesday** | **Learning Target: Quiz: Graphing Exponential Functions and Solving Exponential Equations  Success Criteria: - I can demonstrate mastery of graphing exponential functions. - I can solve exponential equations accurately.** | Do Now: Quick warm-up question on exponential functions. | Review key concepts before quiz. | Address student questions and misconceptions. |  | Quiz: Graphing Exponential Functions and Solving Exponential Equations. | Exit Ticket: Reflect on success criteria for the day. |
| **Thursday** | **Learning Target: Exponential Growth and Decay Success Criteria: - I can model real-life situations using exponential growth and decay. - I can explain the difference between growth and decay.** | Engaging Video: Population growth vs. radioactive decay. | Worked Examples: Growth/Decay word problems. | Solve sample problems together. | Group Activity: Sort scenarios into 'growth' or 'decay.' | Independent Practice: Word problems on growth and decay. | Exit Ticket: Reflect on success criteria for the day. |
| **Friday** | **Learning Target: Compound Interest Success Criteria: - I can apply the compound interest formula to solve real-world problems. - I can compare simple and compound interest situations.** | Open-Ended Question: How does your money grow in a bank account? | Demonstration: Deriving the compound interest formula. | Solve a compound interest example together. | Group Discussion: Compare different interest rates and time periods. | Independent Practice: Compound interest problems. | Exit Ticket: Reflect on success criteria for the day. |

*\*key literacy strategies*