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| **Standards** | **Essential Question(s):** | **Common Assessment:** |
| 8. PAR.3: Create and interpret expressions within relevant situations. Create, interpret, and solve linear equations and inequalities in one variable to model and explain real phenomena.  | -Can I write, solve, and graph compound inequalities and use them to model real phenomena?-Can I solve simple and more complicated literal equations for a given variable? | Reassessment – Unit 1 Vocabulary TestCheck for understanding – Data CheckExit Tickets |
| **Strategies Incorporated with Lesson:** | **Academic Vocabulary** | **Resources Included with****Lesson:** |
| **Strategies:** **[x] Academic Vocabulary** **[ ] Cooperative Learning** **[x] Activating Prior Knowledge** **[x] Direct Instruction** **[x] Effective Questioning** **[ ] Inquiry-Based Learning** **[x] Modeling** **[x] Strategic and Flexible Grouping** **[ ] Other - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | **coefficient -** the number that is multiplied by the variable in an algebraic expression.**Distributive Property -** for all real numbers a, b, and c, a(b + c) = ab + ac, and a(b - c) = ab – ac**expression -** a mathematical phrase that contains operations, numbers, and/or variables.**isolate the variable -** to get a variable alone on one- side of an equation or inequality to solve the equation or inequality.**least common denominator -** the least commonmultiple of two or more denominators.**like terms -** terms that have the same variableraised to the same exponents.**compound inequality -** two inequalities combined into one statement by thewords “and” or “or”**infinitely many solutions** - occurs if the graphs of two linear equations overlap and therefore intersect at infinitely many points**.****literal equation/inequality -** an equation orinequality in which constants have been replaced by letters.**no solution-** occurs when a system of twoequations has graphs that never intersect because lines are parallel. | **Resources: Textbook, equation map, laptop, binder/notebook, task cards, whiteboards, erasers, and learning plan reproducible from GaDOE.**  |
| **6 – 8 AVID Strategies:** ***WRITING:*** **[ ] Quick Writes** **[x] Note Taking** **[x] Exit Slips*****INQUIRY*:** **[ ] Costa’s Levels of Questioning** **[ ] Q.A.R.** **[ ]  Parking Lots** **[x]  Number Talks*****COLLABORATION:*** **[x] Think-Pair-Share** **[ ] Gallery Walk** **[x]  Collaborative Groups*****ORGANIZATION:*** **[ ] Cornell Notes** **[ ] Interactive Notebook** **[x] Graphic Organizers*****READING:*** **[ ] KWL Charts** **[ ] S.T.A.R** **[ ] Summarizing** **[x] Vocabulary Building****[ ] Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
|  | **Lesson Focus:** **(Learning Target)** | **Learning Experiences:** **(Open/Work Session/Closing)** | **Success Criteria:** *(How will students know that they achieved the learning target for the day)* | **Formative Assessment based off Learning Target:** |
| **Mon** | I am learning to write, solve, and graph compound inequalities and use them to model real phenomena.  | **Number Sense Routine (Number Talks): Mental Math Monday** | I can explain how to… * Write, solve, and graph compound inequalities.
* Use compound inequalities to model real-world phenomena.
 | Check for understanding – Formative Assessment Data Check |
| ***Activating Strategy: Common Error – Wrong Inequality Symbol*****Mini Lesson:** Anchor Chart Review – Compound Inequalities**Work Session** *(Stations/Collaborative Groups)***: Stations Rotation*** **Independent Station – Reteach Worksheet**
* **Technology Station – Nearpod Activity on Inequalities**
* **Reteach Station – Task Cards for Understanding Activity**

**Closing: Finish the Check for Understanding Formative Assessment on Compound Inequalities** |
| **Tues** | I am learning to solve simple and more complicated literal equations for a given variable.  | **Number Sense Routine (Number Talks): Talk it Through Tuesday: Think – Pair-Share** | I can…* Solve both simple and more complicated literal equations and formulas for a given variable and explain the solution steps to others
 | Exit ticket – Journal Prompt |
| ***Activating Strategy: Image Discussion – Fluency Building*** **Mini Lesson:** Solving Literal Equations and Inequalities**Work Session: Complete page 54; 5-10****Closing: Journal Prompt – What are some strategies that you can use to solve literal equations in one variable?** |
| **Wed** | I am learning to solve simple and more complicated literal equations for a given variable. | **Number Sense Routine (Number Talks): Vocabulary Test Reassessment** | I can…* Solve both simple and more complicated literal equations and formulas for a given variable and explain the solution steps to others
 | Exit Ticket – Solve the ProblemUnit 1 Vocabulary Reassessment |
| ***Activating Strategy: Open Discussion – Common Errors*****Mini Lesson:** Solving Literal Equations and Inequalities Review**Work Session** *(Stations/Collaborative Groups):* **Stations Rotation*** **Independent Station – Reteach Worksheet**
* **Technology Station – Delta Math Assignment**
* **Reteach Station – Columns and Foldable Activity**

**Closing: Exit Slip – Solve the Problem** |
| **Thurs** | I am learning to solve simple and more complicated literal equations for a given variable. | **Number Sense Routine (Number Talks): Teacher Out – Students can find work on CANVAS.**  | I can…* Solve both simple and more complicated literal equations and formulas for a given variable and explain the solution steps to others
 | Check for Understanding |
| ***Activating Strategy: N/A*****Mini Lesson:** N/A**Work Session** *(Stations/Collaborative Groups***: Students will complete the following assignments.*** **Check for Understanding on Solving Literal Equations/Inequalities**
* **Complete the Desmos Activity found VIA CANVAS**

**Closing: N/A** |
| **Fri** | Unit 1 Review Day | **Number Sense Routine (Number Talks): Fluency Check** | I can…* Show what I know as it relates to expressions, equations, and inequalities.
 | Unit 1 Study Guide |
| ***Activating Strategy: Question and Answer Session*****Mini Lesson:** N/A**Work Session** *(Stations/Collaborative Groups***: Unit 1 Study Guide and i-Ready Data Chats****Closing: Unit 1 Study Guide** |
| **Intervention** |
|  | **Teacher Led** | **Personalized Learning** | **Student Station** |
| **Monday** |  |  |  |
| **Tuesday** |  |  |  |
| **Wednesday** |  |  |  |
| **Thursday** |  |  |  |
| **Friday** |  |  |  |