Word Problems

|  |  | Subject: Algebra |
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| Materials: Graph Paper |  | Technology Needed: PowerPoint, Live Board |
| Instructio <br> Dire <br> Guid <br> Socr <br> Lear <br> Lect <br> Tech <br> Othe | al Strategies: <br> instruction Peer teaching/collaboration/ <br> practice cooperative learning <br> ic Seminar Visuals/Graphic organizers <br> ing Centers PBL Discussion/Debate <br> logy integration Modeling | Guided Practices and Concrete Application: Large group activity Hands-on <br> Independent activity Technology integration Pairing/collaboration Imitation/Repeat/Mimic Simulations/Scenarios Other (list) <br> Explain: |
| Standard(s) <br> 7.EE. 4 Use variables to represent quantities in a real world or mathematical problem, and construct simple equations and inequalities to solve problems by reasoning about the quantities. a. Solve word problems leading to equations of the form $p \mathrm{x}+q=r$ and $p(x+q)=r$, where $p, q$, and $r$ are specific rational numbers. Solve equations of these forms fluently. <br> HS.FIF.8* Write a function defined by an expression in different but equivalent forms to reveal and explain different properties of the function. |  | Differentiation <br> Below Proficiency: <br> Peer teaching/collaboration <br> Above Proficiency: <br> Peer teaching/collaboration to help them really master the <br> concept <br> Approaching/Emerging Proficiency: <br> Collaboration <br> Modalities/Learning Preferences: <br> Guided notes and peer collaboration with partners they work well with. |
| Objective(s): <br> I CAN model word problems in an expression <br> I CAN analyze given information to draw out important information from problem solving. <br> I CAN create a table and graph to show expression <br> Bloom's Taxonomy Cognitive Level: Apply, Analyze, Synthesis |  |  |
| Classroom Management- (grouping(s), movement/transitions, etc.) <br> Pre-grouped partners <br> Students will have 4 minutes at each station ( 20 second transition) |  | Behavior Expectations- (systems, strategies, procedures specific to the lesson, rules and expectations, etc.) <br> No phones <br> Be respectful <br> Go in order of stations. Stay at your station until times up, even if you finish early. Each person in group will fill out sheet! |
| Minutes Procedures |  |  |
| $5$ <br> minutes | Set-up/Prep: <br> Set up 6-8 Stations around the room with different scen |  |
| Math Test <br> 1. Bob has 36 candy bars. He eats 29. What does he have now? <br> Diabetes <br> Bob has diabetes <br> 2. Two trains left Kalamazoo, one heading |  | arning / stimulate interest /generate questions, etc.) <br> will be working with word problems today. No need to fear! We are ng to work in partners to help draw out important information so we create an expression, table, and graph form it. |



Reflection (What went well? What did the students learn? How do you know? What changes would you make?):

