

## Linear Equations and Inequalities Teacher Materials

This is a guide to help you find where your desired lesson is located! Open the unit that contains the desired lesson and use the table of contents in that file to go right to the lesson.

| Unit 1: Solving Equations                     | Unit 2: Graphing Equations               |
|---|--|
| 1. Intro to Equations                         | 1: Coordinate Plane                      |
| 2. Addition Equations                         | 2: Using a Table of Value                |
| 2A: Addition Equations Word Problems          | 3: Calculating Slope                     |
| 3: Subtraction Equations                      | 4: Graphing Slope                        |
| 3A: Subtraction Equations Word Problems       | 5: Slope Intercept Form                  |
| 4: Multiplication Equations                   | 6: Two -Points                           |
| 4A: Multiplication Equations WP               | 7: Rate of Change                        |
| 5: Division Equations                         | 8: Graphing Standard Form                |
| Mixed Review                                  | 9: Standard Form - Part 2                |
| 6: Two Step Equations                         | 10: Absolute Value Equations             |
| 6A: Two Step Equations - Combining Like Terms |  |
| 7: Distributive Property                      | <b>Unit 3: Writing Equations</b>         |
| 7A: Distributive Property Part 2              | 1: Slope Intercept Form                  |
| 8: Equations With Fractions                   | 2: Standard Form                         |
| 8A: Equations with Fractions 2                | 3: Real World Problems                   |
| 9: Literal Equations                          | 4: Slope and a Point                     |
| 10: Variables on Both Sides                   | 5: Two Points                            |
| 11: Word Problems                             | Bonus: Understanding Real World Problems |
| 12: Understanding Absolute Value              | 6: Point-Slope                           |
| 13: Absolute Value Equations Part 1           | Study Guide                              |
| 14: Absolute Value Equations Part 2           | 7: Parallel Lines                        |
|   | 8: Perpendicular Lines                   |
|   | 9: Scatter Plots and Linear vs nonlinear |
|   | 9a: Line Regression and Line of Best Fit |

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| Unit 4: Systems of Equations | Unit 5: Inequalities                      |
|------------------------------|---|
| 1: Graphing Systems          | 1: Intro to Inequalities                  |
| 2: Substitution              | 2: One Variable                           |
| 3: Combinations              | 3: Word Problems                          |
| 4. Combinations Part 2       | 4: Intersections and Sets                 |
| bonus: Which Method          | 5: Compound Inequalities                  |
| 5: Real World Problems       | 6: Absolute Value Inequalities            |
|                              | 7: Graphing Linear Inequalities           |
|                              | 8: More Graphing Linear                   |
|                              | 9: Absolute Value Inequalities            |
|                              | 10: Systems of Inequalities               |
|                              | 11: Systems of Inequalities Word Problems |