| Teacher: Carrie Wiederholz | Subject: Algebra I | UNIT: Solving Equations |
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| **NJCCCS:**<br><br>A.CED.1 Create equations and inequalities in one variable and use them to solve problems. *Include equations arising from linear and quadratic functions, and simple rational and exponential functions.* | **Content Statement**<br><br>I can solve equations with variables on both sides of the equal sign as well as identify equations that have either no solution or all real numbers. | **Cumulative Progress Indicator (CPI)**<br><br>Standard 13.8<br>All students will develop an understanding of algebraic concepts and processes and will use them to represent and analyze relationships among variable quantities and to solve problems. |

| | **Snow Day** |
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| Essential Questions: What should students know, understand, and be able to do? | • Can equations that appear to be different be equivalent?<br>• How can you solve equations? |
| Enduring Understandings | Students will solve equations with variables on both sides of the equal sign. |
| Guiding Question(s) | How do are the properties of equality used to isolate the variable?<br>Is it easier to undo the smaller coefficient or the larger coefficient first?<br>How do you know if an equation has no solutions or all real number solutions? |
| III: Anticipatory Set | Students review solving one, two and multi-step equations as they apply those rules to this new lesson. |
| IV. Procedures (Teaching Strategies, Activities, Technology, Materials) | 1. Students will watch the video on solving equations with variables on both sides of the equal sign.<br>2. Students will then complete a Google Form to demonstrate their understanding of the lesson.<br>3. For enrichment, students will extend their knowledge and go beyond the lesson by solving more challenging equations using StudyBlue website. |
| V. Assessment | Video notes<br>Homework – Google Form<br>Enrichment Activity (optional) |

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| VI. Homework | 1. Watch flipped classroom video and take notes.<br>2. Complete Google Form |