|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Class** | Algebra 2 | **Topic** | U1 – Solving Equations | **Lesson** | 3 | **Of** | 6 |

|  |  |
| --- | --- |
| **Objective** | Students will:   * Create equations in one variable. * Simplify algebraic expressions to solve equations * Solve word problems by using one variable equation. * Rearrange a formula to highlight a quantity of interest. |
|  |  |
| **“I Can” Statement** | • I can solve equations in one variable. |

|  |  |
| --- | --- |
| **Common Core Standards** | [CCSS.Math.Content.HSA.CED.A.1](http://www.corestandards.org/Math/Content/HSA/CED/A/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*.  [CCSS.Math.Content.HSA.CED.A.4](http://www.corestandards.org/Math/Content/HSA/CED/A/4/)  Rearrange formulas to highlight a quantity of interest, using the same reasoning as in solving equations. *For example, rearrange Ohm's law V = IR to highlight resistance R*. |
|  | [CCSS.Math.Content.HSA.REI.B.3](http://www.corestandards.org/Math/Content/HSA/REI/B/3/)  Solve linear equations and inequalities in one variable, including equations with coefficients represented by letters. |

|  |  |
| --- | --- |
| **Bell Work** | Solve a quick quiz to refresh the concepts learned in algebraic expressions lesson. |

|  |  |
| --- | --- |
| **Procedures** | 1. Start and lead student discussion related to the bell work.  2. Distribute the Guided Notes  3. Present lesson or play a video lesson.  4. Distribute Lesson Assignment.  5. Have students check each other’s work. |

|  |  |
| --- | --- |
| **Assessment** | Assignment 1-2  How to interpret a word problem into an equation?  How to solve a linear equation in one variable? |

|  |  |
| --- | --- |
| **Additional Resources** | [Regents Prep online quiz](http://www.regentsprep.org/Regents/math/ALGEBRA/AE2/PSolvEq.htm) |