

Topic/Unit Planner

Teacher (s): Schuett
Subject: Algebra

Grade: 8th
Est. Timeframe: Late Jan-Early March

Topic/sub-topics	Essential Learning	Standards	Performance Assessment	Strategies
<p>Multiplying Polynomials</p> <p>(FOIL, binomial x trinomial, and binomial x binomial x binomial)</p> <p>Factoring</p> <p>Major Resources:</p> <p>Algebra I</p> <p>Beginning Algebra</p> <p>Worksheets</p>	<p>Understandings (SWUT): (Students will understand that...)</p> <p>FOIL means first, outer, inner, last</p> <p>Distributive property can be used to multiply polynomials</p> <p>Six factoring rules</p> <p>Skills (SWBAT): (Students will be able to...)</p> <p>Use FOIL to multiply binomials</p> <p>Multiply trinomials by binomials</p> <p>Multiply 3 or more binomials</p> <p>Multiply 2 trinomials</p> <p>Factoring Methods</p> <ol style="list-style-type: none"> 1. GCF 2. Trinomials of the form $x^2 + bx + c$ 3. Perfect square trinomials 4. Difference of two different squares 5. Grouping 6. Trinomials of the form $ax^2 + bx + c$ <p>Use FOIL to check</p> <p>Use distributive property to check</p>	<p>6C #1</p> <p>8A #6 (Stage I)</p> <p>6B #2 (Stage J)</p>	<p>In class examples</p> <p>Homework problems</p> <p>Extra credit problem of the day/pop quiz</p> <p>Quizzes/ tests</p>	<p>Practice examples during class</p> <p>Students will complete assigned assignments</p> <p>Students will decide which factoring method(s) will be used on each problem to simplify it completely</p> <p>Students will use FOIL or distributive property to check</p>