

## Scope and Sequence

Subject/Title of Unit	Grade	6 Weeks	Estimated Time Frame (# of days)
Algebra 2 *Chapter 1 Equations and Inequalities	10-12	1 <sup>st</sup>	13 days
TEKS/Student Expectations		Examples/Specifications:	
<p><i>The student understands the importance of the skills required to manipulate symbols in order to solve problems and uses the necessary algebraic skills required to simplify algebraic expressions and solve equations and inequalities in problem situations. Following are performance descriptions.</i></p> <p>2A.2.A – The student uses tools including matrices, factoring, and properties of exponents to simplify expressions and transform and solve equations.</p> <p>From other courses TEKS: A.4.B, A.7.A, A.7.B, 8.14.B</p>		<ul style="list-style-type: none"> <li>✓ Student will be able to evaluate and simplify algebraic expressions</li> <li>✓ Student will be able to solve linear equations</li> <li>✓ Student will be able to rewrite formulas and equations</li> <li>✓ Student will be able to use problem solving strategies and models</li> <li>✓ Student will be able to solve linear inequalities</li> <li>✓ Student will be able to solve absolute value equations and inequalities</li> </ul>	
Process of Instruction/Products:		Instructional Resources/Textbook Correlations:	

<p><u>Student Inquiry lesson to promote self learning on:</u></p> <ol style="list-style-type: none"> <li>1. Solve linear equations (1.3)</li> <li>2. Rewrite formulas and Equations (1.4)</li> </ol> <p><u>Lecture using transparencies and note taking on:</u></p> <ol style="list-style-type: none"> <li>1. Apply Properties to Real Numbers (1.1)</li> <li>2. Evaluate and Simplify Algebraic Expressions (1.2)</li> <li>3. Graphing Calculator Activity (1.2)</li> <li>4. Problem solving strategies (1.5)</li> <li>5. Solve linear inequalities (1.6)</li> <li>6. Solve absolute value equations and inequalities (1.7)</li> </ol> <p>Website demonstrating and practicing orders of operations (1.1) Inside-Outside circle for test review</p>	<p>McDougal Littell/ Larson Algebra 2</p> <p>CH 1 pages 2-71</p> <p>*Warm ups</p>										
<p><b>Language of Instruction</b></p>	<p><b>Weblinks/Other Resources:</b></p>										
<p>Reciprocal coefficient solve for a variable Power like terms linear inequality Exponent equivalent expression base Compound inequality linear equation absolute value Variable equivalent equations Extraneous solution</p>	<p><a href="http://www.coolmath.com">www.coolmath.com</a></p>										
<p><b>Evaluation/External Assessment/Local Assessment:</b></p>	<p><b>Best Instruction Timeline:</b></p>										
<p>Daily Homework In-class work End of Unit Test 2-5 Quizzes Book Cover project</p>	<table> <tr> <td>Day 1</td> <td>Day 7, 8</td> </tr> <tr> <td>Day 2</td> <td>Day 9, 10</td> </tr> <tr> <td>Day 3</td> <td>Day 11</td> </tr> <tr> <td>Day 4, 5</td> <td>Day 12</td> </tr> <tr> <td>Day 6</td> <td>Day 13</td> </tr> </table>	Day 1	Day 7, 8	Day 2	Day 9, 10	Day 3	Day 11	Day 4, 5	Day 12	Day 6	Day 13
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