

**Scope and Sequence-Algebra I**  
**Argyle High School**

<b>Subject</b>	<b>Grade</b>	<b>6 weeks</b>	<b>Estimated Time Frame</b>
<b>Algebra I</b> Chapter 11 Radicals and Geometry Connections	8-9	6th	7-9 days
TEKS/Student Expectations:	Examples: Specifications:		
<p>A. 2A identify and sketch the general forms of linear (<math>y = x</math>) and quadratic (<math>y = x^2</math>) parent functions;</p> <p>A. 2B identify mathematical domains and ranges and determine reasonable domain and range values for given situations, both continuous and discrete;</p> <p>A. 4 A) find specific function values, simplify polynomial expressions, transform and solve equations, and factor as necessary in problem situations</p> <p>A. 4 B) use the commutative, associative, and distributive properties to simplify algebraic expressions</p> <p>A. 10A solve quadratic equations using concrete models, tables, graphs, and algebraic methods; and</p> <p>A2: 9A, 9B, 9C, 9D, 9F</p>	<p>Includes graphing <math>y = \sqrt{x}</math></p> <p>Includes operations on radicals and solving radical equations</p> <p>Includes using the Pythagorean Theorem, midpoint formula and distance formula</p> <p>Includes solving equations involving the Pythagorean Theorem, the midpoint formula and the distance formula</p>		

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<b>Language of Instruction</b>	<b>Instructional Resources/Textbook Correlations:</b>
Radical expression Radical function Square root function Parent square root function Simplest form Rationalizing the denominator Radical equation Extraneous solution Hypotenuse Legs of a right triangle Pythagorean Theorem Distance formula Midpoint Midpoint formula	<p data-bbox="934 285 1923 354"><u>McDougal Littell Algebra I</u>, Larson, Boswell, Kanold, Stiff 11.1, 11.2, 11.3, 11.4, 11.5, 11.6</p> <p data-bbox="934 358 1923 427"><u>McDougal Littell: Structure and Method Book Algebra with PZazz</u>, Resource materials with text.</p> <p data-bbox="934 505 1923 610"><u>Warm-ups</u> Warm-ups with every lesson Reviews with each lesson</p> <hr/> <p data-bbox="934 688 1923 721"><b>Weblinks/Other Resources:</b></p> <p data-bbox="934 725 1923 758">classzone.com</p>
<p data-bbox="184 872 464 904"><b>Process/Evaluations</b></p> <ol data-bbox="184 909 453 1052" style="list-style-type: none"> <li>1. Oral responses</li> <li>2. Homework</li> <li>3. Quizzes and tests</li> <li>4. Projects</li> </ol>	<p data-bbox="934 872 1121 904"><b>Remediation:</b></p> <ol data-bbox="934 909 1493 1015" style="list-style-type: none"> <li>1. Peer/teacher tutoring</li> <li>2. Ancillary worksheets accompanying text</li> <li>3. Reteach, retest</li> </ol> <p data-bbox="934 1057 1083 1089"><b>Extension:</b></p> <ol data-bbox="934 1094 1446 1127" style="list-style-type: none"> <li>1. <b>Exploration and Extension p. 727</b></li> </ol>