

LEARNING PLAN

<p>Exploratory Activities Tug-of-War</p>	<p>Concept Systems of Linear Equations</p>
<p>Concept Development Activities (for students individually or in groups)</p> <p>From <i>Algebra Thinking: First Experiences</i> Pasture Activities (1, 2, 4, 6, 7, 11)</p> <p>Sam Loyd Puzzle</p> <p><i>TEXTEAMS ALGEBRA I Institute</i></p> <ul style="list-style-type: none"> • <i>Valentine's Day (1 – 110 through 1 – 115)</i> • <i>Better Paying Summer Job (2-188 - 2-189)</i> • <i>Money for Car Speakers (2-190 - 2-191)</i> 	<p>Materials and Resources</p> <p>Rainbow Cubes <i>Algebra Thinking: First Experiences</i> <i>TEXTEAMS ALGEBRA I Institute</i> Algebra OnLine Video XII Graphing Calculator</p>
<p>Basic Facts & Standard Algorithms Formalized</p> <p>Assignments from textbook: McDougal Littell <i>Algebra I Explorations and Applications</i> (sec. 7.1, 7.2, 7.3, 7.4)</p> <p>Analyze situations and formulate systems of linear equations to solve problems; solve systems of linear equations in a variety of ways; interpret and determine reasonableness of solutions to systems of linear equations.</p>	<p>Originality and Creativity <i>Student Products</i></p> <p>Written Create a real-world problem to be solved using a system of linear equations.</p> <p>Verbal Design a radio program on the importance of knowing how and when to use systems of linear equations.</p>
<p>Assessment</p> <p>From textbook, p. 293 #22 <i>or</i> p. 298 #26 From textbook, p. 321 #29</p>	<p>Kinesthetic Design and demonstrate activities with people rather than with rainbow cubes like the pasture activities.</p>
<p>TEKS c.4.A., c.4.B., c.4.C.</p> <p>Test Items from Algebra I EOC Spring 2000: 36 Spring 2001: 10,26,40 Spring 2002: 5,30,33</p>	<p>Visual Newspaper Treasure Hunt – Find an example of a situation that requires a system to solve it.</p>