


8th Grade Pre-AP Algebra I



<u>1st Six Weeks</u>	<u>2nd Six Weeks</u>	<u>3rd Six Weeks</u>	<u>4th Six Weeks</u>	<u>5th Six Weeks</u>	<u>6th Six Weeks</u>
<p><i>Pre-Test</i></p> <ul style="list-style-type: none"> *patterns *add, subtract, multiply and divide rational numbers *Solve equations with one or more operations *define and study angles and triangles *solve equations for the variable specified *find and interpret measures of central tendency *solve proportions *solve percents problems *identify properties *square roots <p>Six Weeks Test</p> 	<p><i>Pre-Test</i></p> <ul style="list-style-type: none"> *find probability of simple and compound events *find the odds of a simple event *identify domain and range *to show relationships as sets of ordered pairs, tables and graphs *graph linear equations *write linear equations in point-slope, standard and slope-intercept form *write equations from patterns *analyze linear equations *draw and interpret scatter plots *use slope to determine if lines are parallel or perpendicular <p>Six Weeks Test</p>	<p><i>Pre-Test</i></p> <ul style="list-style-type: none"> *project- programming with TI-83 <p>Six Weeks Test</p>	<p><i>Pre-Test</i></p> <ul style="list-style-type: none"> *find the coordinates of the midpoint of a line segment *solve inequalities *graph systems of equations *solve systems of equations using various methods *organize data to solve problems *multiply and divide numbers expressed in scientific notation *to add, subtract and multiply polynomials <p>Six Weeks Test</p>	<p><i>Pre-Test</i></p> <ul style="list-style-type: none"> *find GCF for sets of monomials *factor polynomials *solve problems by using guess and check *use the zero product property to solve equations *find the equations of the axis of symmetry and the coordinates of the vertex of a parabola *graph quadratic and exponential functions *use the quadratic formula to find roots *solve problems involving growth and decay <p>Six Weeks Test</p>	<p><i>Pre-Test</i></p> <ul style="list-style-type: none"> *geometry-surface area and volume *changes in surface area and volume when dimensions are changed *Pythagorean theorem *solve radical equations *find the distance between two points in the coordinate plane <p>Six Weeks Test</p> <p>Post Test Sixth Grade Level</p>

The Objectives are only a guide and may not be taught during the six weeks listed.