

Pre Algebra Course Description		
First Trimester	Second Trimester	Third Trimester
Text:	Text:	Text:
Larson, Pre Algebra ; Holt McDougal Outside sources: Khan Academy IXL	Larson, Pre Algebra ; Holt McDougal Outside sources: Khan Academy IXL	Larson, Pre Algebra ; Holt McDougal Outside sources: Khan Academy IXL
Objectives:	Objectives:	Objectives:
<ul style="list-style-type: none"> * Review basic operational skills of algebra * Solving multi-step equations with whole numbers * Use real-life applications to enhance equation solving techniques 	<ul style="list-style-type: none"> * Perform operations with fractions * Study percent and proportions and how they relate * Applications of percent * Study of relations and functions * Investigate lines; graphing and equations * Graph and solve systems of linear equations 	<ul style="list-style-type: none"> * Study of real numbers and right triangles * Measurement, area, and volume of 2 and 3 dimensional shapes * Applications of trigonometric ratios
Major Topics:	Major Topics:	Major Topics:
<ul style="list-style-type: none"> * Variables, Expressions, Integers * Solving equations using add, subtract, multiply, and divide operations * Solve inequalities using equations as foundations * Decompose numerical values using Least Common Multiple, Greatest Common Factor, Prime Factorization 	<ul style="list-style-type: none"> * Solve equations using adding, subtracting, multiplying, dividing fractions * Solve equations using percent * Applications of simple and compound interest * Identify and use relations and functions * Write equations for lines and graph lines; alone and as a system. * Graph linear inequalities 	<ul style="list-style-type: none"> * Simplify and rationalize expressions involving square roots * Use the Pythagorean formula to solve right triangles * Solve special right triangles * Solve right triangles using sine, cosine, and tangent ratios * Identify various types of triangles and polygons