

**Argenta-Oreana High School
Pre-Algebra**

Date Semester	IL Lrning Stnds	IL Assmnt Stnds	Unit and/or Essential Question Content and/or Skills	Assessments and/or Products
Semester I August September	6.B.3a 8.A.3a 8.D.3a	6.8.02 6.8.09 6.8.10 8.8.02 8.8.05 8.8.08 9.8.05 9.8.12	Chapter 1: Algebraic Expressions and Integers <ul style="list-style-type: none"> • Variables and Expressions – identifying numerical and variable expressions, and writing expressions • Order of Operations • Writing and Evaluating Expressions • Integers and absolute value – represent and order finding absolute value • Adding and subtracting integers • Inductive reasoning • Patterns – find and make rules • Multiplying and dividing integers • Coordinate Plane 	Daily Homework Worksheets Quizzes Chapter Tests
September October	6.B.3c 6.C.3a 8.A.3a 8.A.3b 8.B.3 8.D.3a	6.8.11 8.8.03 8.8.10 8.8.11 8.8.12 8.8.13	Chapter 2: Solving One-Step Equations and Inequalities <ul style="list-style-type: none"> • Properties of numbers – identifying and using • Distributive property – numerical and algebraic • Simplifying variable expressions • Variables and equations • Solving equations by adding, subtracting, multiplying and dividing • Guess, check, and revise • Inequalities and their graphs • Solving one-step inequalities by adding, subtracting, multiplying and dividing 	Daily Homework Worksheets Quizzes Chapter Tests
October November	6.C.3b 7.A.3b 7.B.3	6.8.13 7.8.02 7.8.03	Chapter 3: Decimals and Equations <ul style="list-style-type: none"> • Rounding and estimating sums and differences • Estimating decimal products and quotients 	Daily Homework Worksheets Quizzes

**Argenta-Oreana High School
Pre-Algebra**

Date Semester	IL Lrning Stnds	IL Assmnt Stnds	Unit and/or Essential Question Content and/or Skills	Assessments and/or Products
	8.A.3b 8.D.3a 8.D.3b 10.A.3b	7.8.05 8.8.12 8.8.13 10.8.05	<ul style="list-style-type: none"> • Mean, median, and mode • Using formulas • Solving equations by adding subtracting, multiplying and dividing decimals • Using the metric system – converting and appropriate Simplify the problem	Chapter Tests
November December	6. A. 3 6. B. 3a 6. B. 3b 6. C. 3a 8. A. 3a 8. D. 3c 10. C. 3a	6.8.03 6.8.04 6.8.05 6.8.07 6.8.08 6.8.09 6.8.10	Chapter 4: Factors, Fractions, and Exponents <ul style="list-style-type: none"> • Divisibility and factors • Exponents • Prime Factorization and Greatest common Factor • Simplifying fractions • Solve a simpler problem • Rational numbers – identifying and graphing • Exponents, multiplication and division • Scientific notation 	Daily Homework Worksheets Quizzes Chapter Tests
Semester II January	6. A. 3 6. B. 3a 6. B. 3b 6. C. 3a 7. B. 3 8. A. 3b 8. D. 3a 8. D. 3c	6.8.03 6.8.06 6.8.09 6.8.10 6.8.18 8.8.12 8.8.13	Chapter 5: Operations with Fractions <ul style="list-style-type: none"> • Comparing and ordering rational numbers • Fractions and Decimals • Adding, subtracting, multiplying and dividing fractions • Using customary units of measurement • Work backward to solve word problems • Solving equations by adding, subtracting, and multiplying fractions • Powers of products and quotients 	Daily Homework Worksheets Quizzes Chapter Tests

**Argenta-Oreana High School
Pre-Algebra**

Date Semester	IL Lrning Stnds	IL Assmnt Stnds	Unit and/or Essential Question Content and/or Skills	Assessments and/or Products
January February	6. A. 3 6. B. 3a 6. B. 3b 6. C. 3a 7. B. 3 8. A. 3b 8. D. 3a 8. D. 3c	6.8.03 6.8.15 6.8.16 6.8.17 6.8.18 7.8.06 9.8.11	Chapter 6: Ratios, Proportions and Percents <ul style="list-style-type: none"> • Ratios and unit rates • Proportions • Similar figures and scale drawings • Probability –finding odds • Writing percents as decimals and fractions • Proportions and percents • Percents and equations • Percent of change – increase decrease • Markup and discount • Make a table 	Daily Homework Worksheets Quizzes Chapter Tests
February March	8.B.3 8.A.3b 8.D.3a	8.8.11 8.8.12 8.8.13	Chapter 7: Solving Equations and Inequalities <ul style="list-style-type: none"> • Solving two-step equations • Solving multi-step equations • Multi-step equations with fractions and decimals • Write an equation • Solving equations with variable on both sides • Solving two-step inequalities • Transforming formulas • Simple and compound interest 	Daily Homework Worksheets Quizzes Chapter Tests
March April	8. B. 3 8. A. 3b 8. D. 3a	8.8.07 8.8.09 8.8.10 8.8.11 10.8.01 10.8.04	Chapter 8: Linear Functions and Graphing <ul style="list-style-type: none"> • Relations and Functions • Equations with two variables – solving, and graphing • Slope and y-intercept • Writing rules for linear functions • Scatter plot 	Daily Homework Worksheets Quizzes Chapter Tests

**Argenta-Oreana High School
Pre-Algebra**

Date Semester	IL Lrning Stnds	IL Assmnt Stnds	Unit and/or Essential Question Content and/or Skills	Assessments and/or Products
			<ul style="list-style-type: none"> • Solve by graphing • Solving systems of linear equations Graphing linear inequalities	
April	9. A. 3a 9. A. 3b 9. A. 3c 9. B. 3	7.8.01 7.8.02 9.8.04 9.8.06 9.8.08 9.8.11	Chapter 9: Spatial Thinking <ul style="list-style-type: none"> • Points, lines, and planes • Angle relationships and parallel lines • Classifying polygons – triangles, quadrilaterals • Draw a diagram • Congruence – identifying corresponding parts and congruent triangles • Circles • Constructions • Translations • Symmetry and reflections • Rotations 	Daily Homework Worksheets Quizzes Chapter Tests
May	7. C. 3b 9. B. 3	7.8.02 7.8.04	Chapter 10: Area and Volume <ul style="list-style-type: none"> • Area – parallelograms, triangles, trapezoids, and circles • Space figures • Surface Area – prisms, pyramids, cones, cylinders, and spheres • Volume – prisms, cylinders, pyramids, cones and spheres Make a model	Daily Homework Worksheets Quizzes Chapter Tests
May	6. B. 3c 9. D. 3	6.8.14 9.8.03	Chapter 11: Tight Triangles in Algebra <ul style="list-style-type: none"> • Square roots and irrational numbers • The Pythagorean theorem • Distance and midpoint formulas 	Daily Homework Worksheets Quizzes Chapter Tests

Argenta-Oreana High School
Pre-Algebra