

BERTHA-HEWITT HIGH SCHOOL
Curriculum Map
2014-15

Steve Riewer -- Instructor

Academic Standard Area: **Math** *Course Title/Strand:* **Pre-Algebra** *Grade Level:* **7-10**
Textbook & Copyright: **McDougal Littell Pre-Algebra 2008**

CONTENT/UNIT/SUB-STRAND	PROCESS/ACTIVITY/STANDARD	ASSESSMENT
Chapter 1 Variables, Expressions, and Integers	Evaluate and Write Variable Expressions Use the Order of Operations Compare and Order Integers Perform Operations on Integers Locate Points in a Coordinate Plane	Chapter Test Date September 17, 2014
Chapter 2 Solving Equations	Use Addition, Multiplication, and Distributive Properties Simplify Variable Expressions Solve Equations Using Mental Math Solve Equations Using Addition, Subtraction, Multiplication, or Division Solve Equations with Decimals	Chapter Test Date October 7, 2014
Chapter 3 Multi-Step Equations and Inequalities	Write and Solve Two-Step Equations Use the Distributive Property to Solve Equations Write and Solve Inequalities Graph Inequalities on a Number Line	Chapter Test Date October 31, 2014
Chapter 4 Factors, Fractions, and Exponents	Factor Numbers and Monomials Find Common Factors and Common Multiples Simplify and Compare Fractions Multiply and Divide Powers Write Numbers in Scientific Notation	Chapter Test Date November 26, 2014
Chapter 5 - Rational Numbers and Equations	Identify Rational Numbers Write Fractions as Decimals and Decimals as Fractions Perform Operations with Fractions and Mixed Numbers Solve Equations and Inequalities with Rational Numbers	Chapter Test Date December 19, 2009
Chapter 6 - Ratio, Proportion, and Probability	Find Ratios and Unit Rates Write and Solve Proportions Identify Similar and Congruent Figures Find Unknown Side Lengths of Similar Figures Find Probabilities	Chapter Test Date January 22, 2015
Chapter 7 – Percents	Find the Percent of a Number Solve Percent Problems Find the Percent of Change in a Quantity Find Markups, Discounts, Sales Tax, and Tips Calculate Interest Earned and Account Balances	Chapter Test Date February 20, 2015
Chapter 8 – Linear Functions	Represent Relations and Functions Find and Interpret Slopes of Lines Write and Graph Linear Equations in Two Variables Graph and Solve Systems of Linear Equations Graph Linear Inequalities in Two Variables	Chapter Test Date March 25, 2015
Chapter 9 - Real Numbers and Right Triangles	Use Square Roots Solve Problems Using the Pythagorean Theorem Compare and Order Real Numbers Use the Distance, Midpoint, and Slope Formulas Apply the Tangent, Sine, and Cosine Ratios	Chapter Test Date April 28, 2015
Chapter 10 – Measurement, Area, and Volume	Classify Triangles and Polygons Find Areas of Parallelograms and Trapezoids Find Circumferences and Areas of Circles Find Surface Areas and Volumes of Solids	Chapter Test Date May 22, 2015
Chapter 11 – Data Analysis and Probability	Make Histograms and Box-and-Whisker Plots Choose Appropriate Displays for Data Collect and Interpret Data	Chapter Test Date Did not cover in 2015

	Find Permutations and Combinations Find Probabilities of Disjoint and Overlapping Events Find Probabilities of Dependent and Independent Events	
Chapter 12 – Polynomials and Nonlinear Functions	Classify and Simplify Polynomials Add, Subtract, and Multiply Polynomials Use the Power of a Product, Power of a Quotient, and Power of a Power Properties Graph Quadratic and Exponential Functions Represent Arithmetic and Geometric Sequences	Chapter Test Date Did not cover in 2015
Chapter 13 – Angle Relationships and Transformations	Classify Special Angle Pairs Identify Angles Formed by a Transversal Intersecting Two Lines Find Measures of Interior and Exterior Angles of Polygons Transform Figures in a Coordinate Plane Describe the Line Symmetry and Rotational Symmetry	Chapter Test Date Did not cover in 2015