



Meridian District #15 Curriculum Map

Teacher Name: Madison Houser

Grade: 7

Subject Area: Pre Algebra



Month	Topic/Content	Skill	Standard	Instruction/Resources	Assessments
August/ September	The Real Numbers	• Integer Operations ○ Addition ○ Subtraction ○ Multiplication ○ Division • Simplifying Fraction • Mixed to Improper • Improper to Mixed • 4 Operations with Fractions ○ Addition ○ Subtraction ○ Multiplication ○ Division • Basic Exponents • Zero Exponent • Negative Exponents • Perfect Squares and Cubes ○ Square Roots ○ Cube Roots • Non-Perfect Squares & Roots • Scientific Notation	CC.8.NS.1 CC.8.NS.2 CC.8.EE.2 CC.8.EE.3	All Things Algebra Curriculum • Homework Pages • Guided Notes IXL Delta Math	All Things Algebra Curriculum • Homework Pages • Unit 1: Quiz 1
October	The Real Number System (end Oct. 11)	• Comparing & Ordering Numbers • Order of Operations	CC.8.NS.1 CC.8.NS.2	All Things Algebra Curriculum • Homework Pages	All Things Algebra Curriculum

		Real Number System/Properties		Guided Notes IXL Delta Math	- Homework Pages - Unit 1: Quiz 2 - Unit 1: Quiz 3 - Unit 1 Test
October	Algebraic Expressions (start Oct. 15)	- Combining Like Terms - Distribute - Simplifying Expressions (Distribute & Combine Like Terms) - Factoring Linear Expressions	CC.8.EE.7b	All Things Algebra Curriculum - Homework Pages - Guided Notes IXL Delta Math	All Things Algebra Curriculum - Homework Pages - Unit 2: Quiz 1
November	Algebraic Expressions	- Exponent Rules - Add, Subtract, Multiply, and Divide Monomials - Powers of Monomials - Add, Subtract, Multiply, and Divide with Scientific Notation	CC.8.EE.1 CC.8.EE.3 CC.8.EE.4	All Things Algebra Curriculum - Homework Pages - Guided Notes IXL Delta Math	All Things Algebra Curriculum - Homework Pages - Unit 2: Quiz 2 - Unit 2: Quiz 3 - Unit 2 Test
December	Equations & Inequalities	- One-Step Equation Review - Two-Step Equation	CC.8.EE.2 CC.8.EE.7	All Things Algebra Curriculum - Homework Pages - Guided Notes IXL Delta Math	All Things Algebra Curriculum Homework Pages

January	Equations & Inequalities	• Multi-Step Equations ◦ Variables on one side ◦ Variables on both sides ◦ Special Cases • Translating & Equation Word Problems • Solving and Graphing Inequalities ◦ Two-Step ◦ Multi-Step ◦ Word Problems	CC.8.EE.7 CC.8.EE.7a CC.8.EE.7b	All Things Algebra Curriculum • Homework Pages • Guided Notes IXL Delta Math	All Things Algebra Curriculum: • Homework Pages • Unit 3: Quiz 2 • Unit 3: Test
February	Ratios, Proportions, & Percents	• Ratios • Rates & Unit Rates • Solving Proportions ◦ Equations ◦ Word Problems • Proportional vs Non Proportional Relationships • Tables, Graphs, & Equations with Proportional Relationships • Percent Proportion • Tax, Tip, Discount, Mark-Up • Percent of Change • Simple Interest	CC.7.RP.1 CC.7.RP.2 CC.7.RP.2a CC.7.RP.2b CC.7.RP.2c CC.7.RP.2d CC.7.RP.3	All Things Algebra Curriculum: • Homework Pages • Guided Notes IXL Delta Math	All Things Algebra Curriculum: • Homework Pages • Unit 4: Quiz 1 • Unit 4: Quiz 2 • Unit 4: Test
March	Functions & Linear Representations	• Relation vs Function ◦ Domain	CC.8.F.1 CC.8.F.2	All Things Algebra Curriculum	Algebra Curriculum:

		○ Range ● Equations as Functions ● Graphing Linear Equations by Table ● Rate of Change/Slope ○ Graph ○ Slope Formula ○ Stand Form ○ Slope-Intercept Form ● Linear vs Nonlinear Equations	CC.8.F.3 CC.8.F.4 CC.8.F.5 CC.8.EE.5 CC.8.EE.6	● Homework Pages ● Guided Notes IXL Delta Math	● Homework Pages ● Unit 5: Quiz 1 ● Unit 5: Quiz 2 ● Unit 5: Test
April	Systems of Equations	● Solving SOE ○ Graphing ○ Substitution ○ Applications	CC.8.EE.7 CC.8.EE.7a CC.8.EE.7b CC.8.EE.8 CC.8.EE.8a CC.8.EE.8b CC.8.EE.8c	All Things Algebra Curriculum: ● Homework Pages ● Guided Notes IXL Delta Math	All Things Algebra Curriculum: ● Homework Pages, Quizzes, Test
May	Geometry	● Angles: ○ Parts ○ Types ○ Finding Measures ● Angle Relationships ○ Vertical, Adjacent, Complementary, Supplementary ○ W/Algebra	CC.7.G.1 CC.7.G.2 CC.7.G.4 CC.7.G.5 CC.7.G.6 CC.8.G.6 CC.8.G.7 CC.8.G.8	All Things Algebra Curriculum: ● Homework Pages ● Guided Notes IXL Delta Math	All Things Algebra Curriculum: ● Homework Pages, Quizzes, Test

		• Classify Triangles ◦ Triangle Sum Theorem • Pythagorean Theorem ◦ Converse ◦ Word Problems			
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