

Commerce City Schools Curriculum Map

Grade Level: Eighth

Content Area: Mathematics

Grading Period	1 st Nine-Weeks		2 nd Nine-Weeks	
	Name of Unit	The Powers That Be	Equal or Not	Functional Relationships
Big Ideas	<ul style="list-style-type: none"> ○ Representation of Numbers ○ Exponents ○ Scientific Notation ○ Square Roots ○ Rational and Irrational Numbers ○ Direct and Inverse Proportions ○ Pythagorean Theorem 	<ul style="list-style-type: none"> ○ Algebraic Expressions ○ Algebraic Equations ○ Algebraic Inequalities ○ Absolute Value ○ Proportional Reasoning ○ Solving One and Two Step Equations ○ Properties of Equality ○ Properties of Inequality 	<ul style="list-style-type: none"> ○ Relations ○ Linear Functions ○ Constant Slope ○ Arithmetic Sequences ○ Set Theory ○ Venn Diagrams 	<ul style="list-style-type: none"> ○ Graphs, Tables and Equations ○ Slope ○ Y-Intercept ○ Slope-Intercept Form of an Equation ○ Linear and Nonlinear Functions ○ Graphing Linear Equations and Inequalities ○ Scatter Plot ○ Line of Best Fit
Pacing of Unit	4 Weeks	5 Weeks	4 Weeks	5 Weeks
Domain and Content Weight	Numbers and Operations (22%) Geometry (11%)	Algebra (50%)	Algebra (50%) Data Analysis and Probability (17%)	Algebra (50%) Data Analysis and Probability (17%)
Resources	Holt Mathematics Course 3 Textbook, Georgia CRCT Coach Book, www.georgiastandards.org , www.georgiaoas.org	Holt Mathematics Course 3 Textbook, Georgia CRCT Coach Book, www.georgiastandards.org , www.georgiaoas.org	Holt Mathematics Course 3 Textbook, Georgia CRCT Coach Book, www.georgiastandards.org , www.georgiaoas.org	Holt Mathematics Course 3 Textbook, Georgia CRCT Coach Book, www.georgiastandards.org , www.georgiaoas.org
Key Standards	<ol style="list-style-type: none"> 1. M8N1 a, b, c, d, e, f, g, h, i, j, k 2. M8G2 a, b 	<ol style="list-style-type: none"> 1. M8A1 a, b, c, d, e 2. M8A2 a, b, c, d 	<ol style="list-style-type: none"> 1. M8A3 a, b, c, d, e, f, g, h, i 2. M8D1 a, b, c 	<ol style="list-style-type: none"> 1. M8A3 d, h, i 2. M8A4 a, b, c, d, e, f, g 3. M8D4 a, b
Related Standards	<ol style="list-style-type: none"> 1. M8P1 a, b, c, d 2. M8P2 a, b, c, d 3. M8P3 a, b, c, d 4. M8P4 a, b, c 5. M8P5 a, b, c 	<ol style="list-style-type: none"> 1. M8P1 a, b, c, d 2. M8P2 a, b, c, d 3. M8P3 a, b, c, d 4. M8P4 a, b, c 5. M8P5 a, b, c 	<ol style="list-style-type: none"> 1. M8N1 a, b, c, d, e, f, g, h, i, j, k 2. M8G2 a, b 3. M8A1 a, b, c, d, e 4. M8A2 a, b, c, d 5. M8D2 a, b 6. M8D3 a, b 7. M8P1 a, b, c, d 8. M8P2 a, b, c, d 9. M8P3 a, b, c, d 10. M8P4 a, b, c 11. M8P5 a, b, c 	<ol style="list-style-type: none"> 1. M8P1 a, b, c, d 2. M8P2 a, b, c, d 3. M8P3 a, b, c, d 4. M8P4 a, b, c 5. M8P5 a, b, c

Grading Period	3 rd Nine-Weeks		4 th Nine-Weeks	
Name of Unit	Systems	Traversing Congruency	Outcomes and Likelihoods	Show What We Know
Big Ideas	<ul style="list-style-type: none"> ○ Systems of Equations and Inequalities ○ Solving by Substitution, Elimination and Graphing ○ Interpreting the Number of Solutions to a System ○ Interpreting Solutions to Systems in Problem Contexts 	<ul style="list-style-type: none"> ○ Parallel and Perpendicular Lines ○ Slope of Parallel and Perpendicular Lines ○ Vertical, Adjacent, Corresponding, Alternate Interior and Exterior, and Supplementary Angles ○ Proportions With Non-Parallel Transversals Cutting Parallel Lines 	<ul style="list-style-type: none"> ○ Simple Counting Procedures ○ Tree Diagrams ○ Sample Space ○ Simple Events ○ Compound Independent Events ○ Laws of Probability ○ Experimental and Theoretical Probability 	<ul style="list-style-type: none"> ○ Data Analysis and Probability ○ Numbers and Operations ○ Algebra ○ Geometry
Pacing of Unit	5 Weeks	5 Weeks	4 Weeks	5 Weeks
Domain and Content Weight	Algebra (50%)	Geometry (11%)	Data Analysis and Probability (17%)	Data Analysis and Probability (17%) Numbers and Operations (22%) Algebra (50%) Geometry (11%)
Resources	Holt Mathematics Course 3 Textbook, Georgia CRCT Coach Book, www.georgiastandards.org , www.georgiaoas.org	Holt Mathematics Course 3 Textbook, Georgia CRCT Coach Book, www.georgiastandards.org , www.georgiaoas.org	Holt Mathematics Course 3 Textbook, Georgia CRCT Coach Book, www.georgiastandards.org , www.georgiaoas.org	Holt Mathematics Course 3 Textbook, Georgia CRCT Coach Book, www.georgiastandards.org , www.georgiaoas.org
Key Standards	1. M8A5 a, b, c, d	1. M8G1 a, b, c, d	1. M8D2 a, b 2. M8D3 a, b	All Content Standards
Related Standards	<ol style="list-style-type: none"> 1. M8G1 a 2. M8A1 d, e 3. M8A3 d, h, i 4. M8A4 a, b, c, d, e, f, g 5. M8D1 a 6. M8P1 a, b, c, d 7. M8P2 a, b, c, d 8. M8P3 a, b, c, d 9. M8P4 a, b, c 10. M8P5 a, b, c 	<ol style="list-style-type: none"> 1. M8G2 a, b 2. M8A1 a, b, c, d, e 3. M8P1 a, b, c, d 4. M8P2 a, b, c, d 5. M8P3 a, b, c, d 6. M8P4 a, b, c 7. M8P5 a, b, c 	<ol style="list-style-type: none"> 1. M8P1 a, b, c, d 2. M8P2 b, c, d 3. M8P3 a, b, c, d 4. M8P4 a, b, c 5. M8P5 a, b, c 	<ol style="list-style-type: none"> 1. M8P1 a, b, c, d 2. M8P2 a, b, c, d 3. M8P3 a, b, c, d 4. M8P4 a, b, c 5. M8P5 a, b, c

See www.georgiastandards.org for a list of standards by grade level and content area.