

Essential Content: Grade 7

Connected Mathematics Project (CMP) 2006-2007

Units suggested order	Content	Essential Investigations	Essential ACE Prob.	Supplemental Material	Materials on district CMP web site	Time Line 06-07
Variables & Patterns	<u>Patterns of Change</u> : Collecting, organizing and representing data; identifying/analyzing patterns and extreme values in graphs & tables; identifying variables and relationships between variables; analyzing linear relationships and expressing them as written & symbolic rules; using graphing calculators in Inv. 5	1 2 3 4 5	p. 55 #3-6	<ul style="list-style-type: none"> Krypto Game, 24 Game, Contag (Contig) Math Talk Review for WKCE using short warm-ups and/or with homework. Use class time to teach CMP. Different forms of remainders Practice extending patterns (geometric and arithmetic) 	<ul style="list-style-type: none"> Accommodations Challenge Activities Chincoteague Pony 	Sep 5-Oct 13 28 days
Stretching & Shrinking	<u>Similarity</u> : Identifying similar figures; equivalent ratios; enlarging/shrinking shapes; applying scale factor; direct and indirect measurement	2 all 3.2, 3.3 4.3, 4.4 5.1, 5.3	p. 9 #1 p. 22 #1 p 33-34 #2-5 p. 47-49, 54 p. 56 #23 p. 64 # 1 p. 73 # 16	<ul style="list-style-type: none"> Krypto Game, 24 Game, Contag (Contig) Math Talk Review for WKCE using short warm-ups and/or with homework. Use class time to teach CMP Complementary & supplementary angles 	<ul style="list-style-type: none"> Unit Plan Accommodations Challenge Activities 	Oct 16-Dec 8 33 days
Accentuate the Negative Part 1 See Part 2 on next page	<u>Integers</u> : Meaning of negative numbers; computation with integers; locating points on four-quadrant grids; using graphing calculators	1 2 3 4 5	p. 77-78 #2-5 p. 82 #1	<ul style="list-style-type: none"> Krypto Game, 24 Game, Contag (Contig) Math Talk Review for WKCE using short warm-ups and/or with homework. Use class time to teach CMP integer computation practice Integer War Game $>, <, \neq, \leq, \geq$ 	<ul style="list-style-type: none"> Unit Plan Accommodations Challenge Three-In-A-Row Game 	Dec 11-Dec 22 10 of 21 days

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Accentuate the Negative (Part 2)	<u>Integers</u> : Meaning of negative numbers; computation with integers; : locating points on four-quadrant grids; using graphing calculators	Continued... 1 2 3 4 5	p. 77-78 #2-5 p. 82 #1	Continued... • integer computation practice (warm-ups) • Three-In-A-Row Game • Homework with plotting points practice • Order of operations	• Three-in-a-Row game	Jan 8 - Feb 8 11 of 21 days
Comparing & Scaling	<u>Ratio, Proportion, & Percent</u> : Finding percents, ratios, differences, fractions, and scaling; finding rates; exploring proportional relationships; est. populations	1 all 2 all 3 all 4.1, 4.2, 4.3 5.1, 5.2, 5.3, 5.4	p. 12 #6-11 p. 31-32 #1-6 p. 33-34 #13- 23 p. 46 #4-7 p. 48 #12-16	• Krypto Game, 24 Game, Contag (Contig) • Math Talk • Inv 1.1, 1.2, and 3.1: Create circle graph • Different forms of remainders	• Accomodations • Challenge • Alphabits • Traffic Jam • more	Feb 12- Mar 30 33 days
Filling & Wrapping	<u>Three Dimensional Measure</u> : Understanding, calculating, & est the surface area & volume of 3-D figures; finding and interpreting the dimensions, surface area, & volume of rect prisms; dev strategies for finding the dimensions, surface area, and volume of cylinders, cones, and spheres	1.1, 1.2, 1.4 2 all 3.1, 3.2 4.1, 4.2 5.1, 5.2	p. 11 #8, 9 p. 14 #1-4 (as homework or discussion) p. 23 #1, 2 (as homework or discussion) p. 36 #1, 2 (as homework or discussion) p. 51 #1 p. 56 #1	• Krypto Game, 24 Game, Contag (Contig) • Math Talk	• Unit Plan • Accomodations • Challenge • Fridge Pack • Activities • Patterns • Lab sheets	Apr 10 - May 25 33 days
What Do You Expect	<u>Probability and Expected Value</u> : Evaluating games of chance; counting trees; reasoning with experimental and theoretical probability; expected value; using area models; analyze probabilities of two+ dependent events	1 2 3 4 5	p. 21 #1-3 p. 31 #1, 3	• Krypto Game, 24 Game, Contag (Contig) • Math Talk • Inv 1.1 and p. 38 # 6 • Create circle graphs	• Game of Snake • Challenge	May 29- Jun 9 14 days

MMSD CMP web site: http://dww.madison.k12.wi.us/tl/math/middle_school/default.htm