

Essential Content: Grade 6
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
Prime Time	<u>Factors & Multiples</u> : basic facts, emphasize factors & multiples for later work.	1 all 2.1, 2.3 3 all 4 all 5 all	p. 12 # 12, 14 p. 13 # 15 p. 30 #11-15	<ul style="list-style-type: none"> Krypto Game, 24 Game, Contag (Contig) Math Talk Long division (two-digit # divided by a single-digit # w/ remainders as whole #) Multiplication (two-digit # by a one-digit #) Review for WKCE using short warm-ups and/or with homework. Use class time to teach CMP. 	<ul style="list-style-type: none"> Interactive Factor Game & Product Game and more 	Sep 5-Oct 13 28 days
Data About Us	<u>Statistics</u> : collect data; analyze average as mean, median, mode; line plots and stem plots; review bar graph; introduce scatter plot	1 all 2 all 3.1 4.1 5.1, 5.2, 5.3	p. 62 #1-2	<ul style="list-style-type: none"> Krypto Game, 24 Game, Contag (Contig) Math Talk Long division (two digit # divided by a single digit # w/ remainders as whole numbers) Multiplication (two-digit # by a one-digit #) Review for WKCE using short warm-ups and/or with homework. Use class time to teach CMP 	<ul style="list-style-type: none"> Space Shuttle Act. Accom. Challenge and more 	Oct 16-Nov 22 24 days
Shapes & Designs	<u>Two-Dimensional Geometry</u> : important properties of polygons; tiling polygons; explore symmetry in squares, rectangles, parallelograms and equilateral triangles; measuring angles; angle sums in triangle and rectangle	1 all 2 all 3 all 4. all 5 all	p. 11 #1-3 p. 35 #1-12 p. 36 #13-26 p. 37 #27-35 p. 47 # 2-5 Practice with WKCE paper protractors	<ul style="list-style-type: none"> Krypto Game, 24 Game, Contag (Contig) Math Talk Angle Wheel Review geometry terms (parallel, perpendicular, intersecting, similar, congruent) Discuss a problem like #42 on page 40. Discuss the angle patterns and introduce "transversal" Long division (two- and three-digit # divided by a one-digit # w/ remainders as whole numbers) Multiplication (two-digit # by a two-digit #) 	<ul style="list-style-type: none"> Dance of the Bees Tangram games Accomm. and more 	Nov 27-Dec 22 20 days
Bits & Pieces I	<u>Understand Rational Numbers</u> : fractions, decimals, percents as part of a whole; develops concepts with linear model (fraction strips) and an area model (brownies). Computation is NOT part of this unit.	1.2, 1.3, 1.4, 1.5 2 all 3 all 4 all 5 all 6 all	p. 16 # 13-21 p. 27-28 #20-27 p. 34 #10-13 p. 37 #28-31 p. 47-48 #10-35 p. 59-60 #17-25 p. 61 #35-36 p. 79-80 #17-20 p. 81-82 #22-28	<ul style="list-style-type: none"> Krypto Game, 24 Game, Contag (Contig) Math Talk Fraction Bars \neq, \leq, \geq simple long division, ex: $\frac{63}{5} = 12 \frac{3}{5}$ (2-digit # divided by one-digit #) 	<ul style="list-style-type: none"> accomm. Tangram fractions and more 	Jan 8-Feb 22 24 days

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Covering & Surrounding	<u>Two Dimensional Measure</u> : area and perimeter of shapes; development & understanding of formulas, not memorizing them. Word formulas are acceptable at this level. Do NOT skip Investigation 7 on circles.	1.1, 1.3, 1.4 2 all 3.1 4 all 5.1, 5.2 6.1, 6.2 7.2, 7.3, 7.4, 7.5	p. 15 #10, 11 p. 32 #5 p. 40-41 # 5-10 p. 76-77 #6-12	<ul style="list-style-type: none"> Krypto Game, 24 Game, Contag (Contig) Math Talk \neq, \leq, \geq Shak's foot (hard copy) convert from one unit to another within the same system select appropriate units of measure 	<ul style="list-style-type: none"> unit plan ACE prob. rewritten Black line masters: Shaq's shoe; more 	Feb 26- Mar 30 25 days
Bits & Pieces II	<u>Using Rational Numbers</u> : using intuitive ideas and their own strategies, students learn how to compute with fractions, decimals, and percents; uses mental math. Teach the unit BEFORE practice on algorithms	1 all 2 all 3 all 4 all 5 all 6.2, 6.3, 6.4 7 all	p. 14-15 # 19-26 p. 16 #30-32 p. 24 # 1-12 p. 29 #28-30 p. 36 #35, 36 p. 37 #38-43 p. 44 #44 p. 52 # 19-26 p. 61 #7-10, 12 p. 62 #14-17 p. 74 #11	<ul style="list-style-type: none"> Krypto Game, 24 Game, Contag (Contig) Math Talk fraction / decimal computation problems \neq, \leq, \geq long division, ex: $10^4/9 = 11^5/9$ (3-digit numbers divided by one-digit numbers) fraction / decimal computation practice If you have a new edition, Inv 7 is in the back of the book; if you are using an older edition, get Inv 7 from our web site. 	<ul style="list-style-type: none"> Inv. 7 Accomm. challenge visual power of 10 and more 	Apr 10- May 18 28 days
How Likely Is It	<u>Probability</u> : experimental and theoretical probability; equally-likely events; terms and concepts developed through hands-on experimentation	1 all 2 all 3 all 4 all 5 all		<ul style="list-style-type: none"> Krypto Game, 24 Game, Contag (Contig) Math Talk fraction / decimal computation practice 	<ul style="list-style-type: none"> game of Snake accom. Chall. more 	May 21 - June 15 21 days

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