

CMP2 Recommended Implementation Sequence for 2007-2008 School Year

Grade 6:

<i>Unit Title</i>	<i>Mathematical Concepts</i>	<i>Estimated Time</i>
1. Prime Time (if needed)	Number theory, including factors, multiples, primes, composites, prime factorization	3 weeks (1 st Quarter)
2. Bits and Pieces I	Move among fractions, decimals, and percents; compare and order rational numbers	4 weeks (1 st Quarter)
3. Shapes and Designs	Regular and non-regular polygons, properties of triangles and quadrilaterals, angle measurement, angle sums	4 weeks (2 nd Quarter)
4. Bits and Pieces II	Understanding and skill with addition, subtraction, multiplication and division of fractions	4 weeks (2 nd Quarter)
5. Data About Us	Gather, organize, represent, analyze, and interpret data; measures of central tendency	4 weeks (3 rd Quarter)
6. Covering and Surrounding	Area and perimeter relationships and formulas for polygons and circles (supplemental units for Benchmark 3.1.c)	4 weeks (3 rd Quarter)
7. How Likely Is It?	Calculate experimental and theoretical probabilities of independent and compound events	3 week (4 th Quarter)
8. Bits and Pieces III	Understanding and skill with addition, subtraction, multiplication and division of decimals; solving percents problems	4 weeks (4 th Quarter)

Grade 7:

<i>Unit Title</i>	<i>Mathematical Concepts</i>	<i>Estimated Time</i>
1. Variables and Patterns (with practice problems throughout the year)	Variables; representations of relationships using tables, graphs, words, and equations	5 weeks (1 st Quarter)
2. Stretching and Shrinking	Similar figures, scale factors, side length ratios, basic similarity transformations and their algebraic rules	4 weeks (1 st Quarter)
3. Comparing and Scaling	Rates and ratios; making comparisons, proportional reasoning, solving proportions	4 weeks (2 nd Quarter)
4. Accentuate the Negative	Understanding and modeling positive and negative integers; integer operations; order of operations, distributive property; four-quadrant graphing	3 weeks (2 nd Quarter)
5. Data Distributions with Supplemental lessons on Box and Whisker Plots	Measures of center, variability in data, comparing distributions of equal and unequal sizes	4 weeks (3 rd Quarter)
Supplemental Units: <ul style="list-style-type: none"> ○ Probability ○ Pythagorean Theorem 	Calculate experimental and theoretical probabilities of independent and compound events; Develop understanding or properties of right triangles and the Pythagorean Theorem	3 weeks (3 rd Quarter)

Grade 8:

<i>Unit Title</i>	<i>Mathematical Concepts</i>	<i>Estimated Time</i>
1. Moving Straight Ahead: Linear Relationships	Recognize and represent linear relationships in tables, graphs, words, and symbols; solve linear equations; slope	6 weeks (1 st Quarter)
2. Filling and Wrapping (Investigations 1-3)	Spatial visualization; volume and surface area of various solids; volume and surface area relationships	3 weeks (1 st Quarter)
3. Looking for Pythagoras:	Square roots; the Pythagorean Theorem; connections among coordinates, slope, distance, and area; distance in a plane	5 weeks (2 nd Quarter)
4. Kaleidoscopes, Hubcaps, and Mirrors (Investigation 1-2)	Symmetries of designs; symmetry transformations	3 weeks (2 nd Quarter)
5. Samples and Populations	Use samples and various data representations to reason about populations and make predictions, compare samples and sample distributions	5 weeks (3 rd Quarter)
Unit Supplement: More Probability	Calculate theoretical probabilities of compound events; understand when to use sums and products in calculating probabilities; calculate the odds of simple events	1 week (3 rd Quarter)
6. Thinking with Mathematical Models	Introductions to functions and modeling; finding the equation of a line; inverse functions, inequalities	4 weeks (4 th Quarter)