

# FIFTH GRADE MATH PACING CHART

2006 - 2007

| MATH CONCEPTS   | CHAPTERS                              | TIME SPAN               | OBJECTIVES AND STANDARDS  |
|---|---------------------------------------|-------------------------|---|
| Place Value, Add and Subtract Whole Numbers and Decimals<br>Algebraic Expressions and Equations   | Chapters 1& 2<br><br>Chapters 17 & 18 | 1st quarter             | Read, write, compare, round, and order whole numbers and decimals.<br>Estimate quantities, find sums and differences. Use 4 step process and patterns to solve problems.<br>*1,2,6,7,8,9,10   |
| Multiplying Whole Numbers and Decimals<br>Algebraic Expressions and Equations                     | Chapter 3 &4<br><br>Chapters 17 &18   | 1 <sup>st</sup> quarter | Find exact and estimated products of whole numbers and decimals. Use properties of multiplication . Evaluate exponential expressions. Use guess and check strategy.<br>*1,2,6,8,9,10  |
| Dividing Whole Numbers  | Chapter 5                             | 2nd quarter             | Relate multiplication and division, divide by 1-digit divisors, divide by powers of ten, estimate quotients, interpret remainders<br>*1,2,6,8,9,19  |
| 2 Digit Divisors Whole Numbers and Decimals<br>Divisibility, Prime and Composites, Common Factors | Chapter 6<br>Chapter 9                | 2nd quarter             | Estimate quotients of larger numbers, divide by 2-digit divisors, divide decimals. Apply divisibility rules, express a composite number as a product of primes, and find common factors of two numbers.<br><br>*1,2,5, 6,7,8, 9, 10 |
| Data and Graphs<br>Percents   | Chapters 7&8<br>Chapter 27            | 2nd quarter             | Read , interpret, organize, and display data. Select a random sample, Find range, median, and mode.<br>Relate percents to decimals and fractions, interpret percentages of circle graphs.<br>*1,5,6,8,9,10                          |
| Geometry/Symmetry   | Chapters 19,20,&24                    | 3rd quarter             | Measure, draw, and classify angles, describe and classify geometric figures, identify congruent and similar figures and transformations, find unknown angles of a figure<br>*3,4,6,8,9,10   |
| Measurement – length, perimeter, area, volume   | Chapters 15,16,21,22,23               | 3rd quarter             | Compute elapsed time, choose appropriate units of estimate, and measure length. Find perimeter, find area of polygons and irregular figures.<br>*1,2,3,4,6,8,9,10   |

|                                       |                     |                                     |  |
|---------------------------------------|---------------------|-------------------------------------|--|
| Fractions and Mixed Numbers           | Chapters 9& 10      | 3rd quarter/4 <sup>th</sup> quarter | Find equivalent fractions, simplify fractions and mixed numbers. Compare and order fractions and mixed numbers.<br>*1,2,6,8,9,10                             |
| Fraction Operations                   | Chapters 11 &12     | 4th quarter                         | Add/subtract fractions and mixed numbers, estimate sums and differences.<br>*1,2,6,7,8,9,10  |
| Fractions and Multiplication/Division | Chapters 13 & 14    | 4th quarter                         | Multiply and divide fractions and mixed numbers. Estimate products of mixed numbers.<br>*1,2,6,7,8,9,10  |
| Ratio, Percent and Probability        | Chapters 25, 26 &28 | 4th quarter                         | Find equivalent ratios, use scale drawings and maps, find the probability of an event and make predictions. Find a percent of a number.<br>*1,2,5,6,7,8,9,10 |

### \*Math Standards

- M1 Numbers and Operations
- M2 Algebra
- M3 Geometry
- M4 Measurement
- M5 Data Analysis and Probability
- M6 Problem Solving
- M7 Reasoning and Proof
- M8 Communications
- M9 Connections
- M10 Representation