Math Curriculum Framework: Everyday Math Grade 5	
Topic: Lessons 1.1 – 2.6 (Instructional Days 1 - 21)	
Content	
Program of Studies What skills, concepts, and understandings do students need to learn and be able to do? **Core Content for Assessment** What do students need to understand and be able to apply to new situations?	**Everyday Math** **Activities/Resources** What effective instructional activities and suggested materials could be used to teach this content?
NUMBER OPERATIONS *Students will:* • develop and apply computational procedures to add, subtract, multiply and divide whole numbers using basic facts and technology as appropriate. • add and subtract decimals through one-thousandths using manipulatives or symbolic notation. **MA-05-1.3.1** **Students will analyze real-world problems to identify the appropriate representations using mathematical operations, and will apply operations to solve real-world problems with the following constraints:** • **Add, subtract, multiply, and divide whole numbers (less than 100,000,000), using technology where appropriate; and** • **Add and subtract decimals through hundredths.** **DOK 2** **MA-05-1.5.1** **Students will identify and determine composite numbers, prime numbers, and factors of numbers, and will apply these numbers to solve real-world problems.** **DOK 2** *MA-05-1.5.2* *Students will use the commutative properties in written and*	***Students will:*** **Numeration:** • Develop definitions of and identify prime and composite numbers (1.6, 1.9) • Develop strategy for *Factor Captor* by recognizing that a prime has only 2 factors (1.6) • Identify and explore properties of square numbers (1.7, 1.8, 1.9) • Use exponential notation to represent square numbers (1.7, 1.9) • Review name-collection boxes (1.9) • Introduce and practice finding factor strings and prime factorization (1.9) • The Sieve of Eratosthenes Project: Use the Sieve of Eratosthenes to identify prime numbers from 1 to 100 (Unit 1 or after) • Deficient, Abundant, and Perfect Numbers Project: Classify whole numbers from 1 to 50 as deficient, abundant, or perfect (After Unit1) • Review place value for whole numbers and decimals (2.2) **Operations and Computation:** • Review multiplication facts using rectangular arrays (1.2) • Review factors, factor pairs, and products (1.3) • Take a timed multiplication facts test (1.3, 1.4, 1.5, 1.6, 1.7, 1.8, 1.9) • Fact Triangles (1.3, 1.4, 1.6) • Review divisibility and relate factors and divisibility (1.4); test for divisibility using a calculator (1.5) • Introduce and use divisibility test for 2, 3, 5, 6, 9, and 10 (1.5, 1.9) • Classify number as prime or composite by listing factors (1.6) • Use the exponent key on a calculator to find square numbers (1.7); explore "unsquaring" a number (1.8) • Deficient, Abundant, and Perfect Numbers Project: Find the proper factors of whole numbers form 1 to 50 (After Unit 1) • Review addition and subtraction algorithms (2.2, 2.3) • Solve multidigit addition/subtraction problems, including decimals (2.2, 2.3, 2.4)