Department: Math
Course Name: Third Grade Math

Course Description:
Third grade math focuses on the development of number sense, problem solving skills, and computational accuracy. The students begin the year studying place value through the hundred millions. The students learn to compare, order, and round whole numbers and decimals. Then the students will use their knowledge of place value to add and subtract whole numbers through the hundred thousands and decimals to the thousandths. Multiplication and Division facts are reviewed and the students learn to multiply and divide two and three digit numbers. The second semester of the year focuses on basic geometric concepts, customary and metric measurement, time, graphing, and fractions. Throughout the year students think critically to choose operations and solve word problems. Third graders are required to complete multi-step logic and reasoning problems. The students are required to synthesize the skills they learned and apply them to problem solve.

Content:
Place Value
Multi-digit addition and subtraction
Estimation
Multi-digit multiplication
Division of two and three digit numbers
Basic Geometric concepts
Customary and Metric Measurement
Fractions
Problem Solving
Gather, Analyze, and graph data
Telling Time
Money

Skills:
Write whole numbers and decimals in standard, expanded, and word form
Identify place and value of digits from hundredths through hundred millions
Add and subtract whole numbers to the hundred thousands
Multiply by one and two digit numbers
Divide larger numbers with a single digit divisor
Estimate sums, differences, products, and quotients
Identify, name, and draw points, lines, line segments, rays, and angles
Identify polygons
Identify triangles by sides and angles
Name 3, 4, 5, 6, 7, and 8-sided polygons.
Write fractions and mixed numbers
Compare and order fractions and mixed numbers
Identify equivalent fractions
Add and subtract fractions with common denominators
Identify and correctly use capacity, distance and weight measurements
Measure to the nearest inch, half inch
Measure to the nearest centimeter
Tell time using analog and digital clocks

Calculate elapsed time
Counting money and making change
Solve multi-step logic problems
Explain steps in a mathematical solution by giving evidence to support the solution

Texts and Materials:
Math, Volumes I and II (Houghton Mifflin)
Math Practice Homework and Enrichment Worksheets (Houghton Mifflin)
Math Madness Third Grade (JAK publishing, 2006)
Daily Word Problems- Grade 3 (Evan-Moor)
Happy Numbers learning website

Methods of Instruction:
Direct whole class instruction
Partner work
Interactive Notebooks
Ipad
Hands on manipulative use
Classwork exercises
Homework exercises
Daily math practice sheets
Happy Numbers learning website
Seesaw app

Methods of Evaluation:
Classwork exercises
Quick Check quizzes
Chapter tests
Teacher made tests and quizzes
Fact quizzes
Happy Numbers learning website
Seesaw app activities