Course Syllabus

Description: In Math Grade Three, students will learn to multiply and divide within 144 to solve real-world problems. The course provides the opportunity for students to develop an understanding of fractions and area. Students will add and subtract multi-digit numbers using a standard algorithm and will define attributes of quadrilaterals. Describing and analyzing lines is another focus of the course. Other engaging activities include learning about data, time, and measurement.

Prerequisites: N/A

Estimated Completion Time: 2 segments, 32-36 weeks

Major Topics and Concepts

Segment One

- Reading and writing numbers from 0 to 10,000
- Composing and decomposing four-digit numbers
- Plotting, ordering, and comparing numbers up to 10,000
- Rounding whole numbers from 0 to 1,000
- Identifying even and odd numbers from 1 to 1,000
- Identifying addition and subtraction patterns
- Adding three-digit numbers
- Subtracting three-digit numbers
- Multiplying and dividing using strategies
- Multiplying with factors from 0 to 12
- Dividing with divisors from 0 to 12
- Multiplying using distributive, associative, and commutative properties
- Using graphs to represent and interpret data
- Solving one- and two-step real-world problems with data

Segment Two

- Identifying and drawing quadrilaterals
- Identifying and drawing lines of symmetry in two-dimensional figures
- Identifying and drawing points, lines, line segments, and rays
- Finding perimeter and area of a rectangle and composite figures
- Solving real-world problems involving perimeter and area
- Reading and writing fractions
- Plotting, ordering, and comparing fractions greater than and less than one
- Finding equivalent fractions
- Comparing fractions with the same denominator
- Comparing fractions with the same numerator
- Representing and identifying whole numbers as fractions
- Telling time to the nearest minute using a.m. and p.m.

- Solving real-world problems involving length, mass, weight, temperature, and liquid volume
- Multiplying and dividing fluently
- Solving one- and two-step real-world problems involving multiplication and division

Required Materials

Students will need the following materials: printer, cell phone or scanner, headset or earbuds, notebook, pen, pencils, erasers, scissors, coloring materials (markers, crayons, colored pencils), glue, tape, stapler, ruler, printer paper, lined paper, colored paper, and general household objects for activities.

Grading Policy

Besides engaging students in challenging curriculum, the course guides students to reflect on their learning and evaluate their progress through a variety of assessments. Assessments can be in the form of practice lesson, multiple-choice questions, writing assignments, projects, oral assessments, and discussions. Core courses will use the state-approved grading scale and Special Area courses will use an S or U grading scale.

Communication Policy

To achieve success, students are expected to submit work in each course weekly. Students can learn at their own pace; however, "any pace" still means that students must make progress in the course every week. To measure learning, students complete self-checks, practice lessons, multiple choice questions, projects, discussion-based assessments, and discussions. Students and families are expected to maintain regular contact with teachers because, when teachers, students, and parent or guardians work together, students are successful.