Course Syllabus

Description:

In Math Grade 1, students will use strategies to solve word problems, skip count, and use math strategies to add and subtract. The course provides the opportunity for students to develop an understanding of place value using tens and ones. Students will use this knowledge to add and subtract within 100. Defining and non-defining attributes of shapes is another focus of the course. Other engaging hands-on activities include money, time, data, and measurement.

Estimated Completion Time: 2 Segments, 32–36 weeks

Major Topics and Concepts

Segment One

- Solving addition equations to 10
- Solving subtraction equations to 10
- Solving addition and subtraction word problems to 10
- Using counting on to solve
- Using doubles strategies
- Using a ten frame
- Counting back to subtract
- Subtracting by adding
- Solving word problems using number facts
- Counting to 120 using a number chart
- Skip counting
- Counting to 120 using a number line
- Gathering groups of 10
- Composing and decomposing two-digit numbers
- Reading numbers in standard, expanded, and written form
- Writing numbers in standard and expanded form
- Finding one more, one less, ten more, ten less
- Counting to 120 using tens and ones
- Compare tens and ones
- Comparing using greater than, less than, or equal to
- Plot, order, and compare tens and ones
- Identify attributes of 2-D shapes
- Drawing and building 2-D shapes
- Creating and combining 2-D shapes
- Identifying and creating equal parts
- Explaining attributes of 3-D shapes
- Composing and identifying 3-D shapes

Segment Two

- Using addition to subtract
- Finding missing addends
- Organizing data into groups
- Showing data in different ways
- Answering questions about graphs and data
- Compare and order by length
- Using common items to measure
- Measuring items using a ruler
- Estimating to the nearest inch
- Measuring to the nearest centimeter
- Identifying equal amounts
- Finding the sum of three numbers
- Solving word problems by adding three numbers
- Adding two-digit numbers
- Subtracting two-digit numbers
- Finding ten more and ten less in my head
- Adding and subtracting using models
- Solving addition with regrouping
- Using addition to subtract
- Adding and subtracting using different strategies
- Identifying names and values of coins
- Identifying names and values of bills
- Understanding value of a group of coins
- Counting to a dollar with coins
- Counting bills to 100
- Understanding the hour and the minute hands
- Telling and writing time to the hour
- Telling and writing time to the half hour

Required Materials:

Students will need the following materials: printer, cell phone or scanner, pencil, eraser, scissors, glue, crayons, Interactive Notebook—spiral or composition notebook, and common household objects.

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 lessons, 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.