



Curriculum Document for Mathematics

Course Title: elementary school

Grade: K

Learner Objective #1: Students will use appropriate vocabulary and reasoning skills when solving problems.

- Recognizing ordering and positioning (size, top, bottom)
- Recognize concepts such as more, one more and as many as
- Compare small, large, near, far, etc.

Learner Objective #2: Students will effectively use numbers for counting, measuring, estimating, and problem solving.

- Identify and recognize the whole numbers from 1 to 20
- Count to 20
- Explore subtraction facts
- Explore addition facts
- Write numbers 1 to 10
- Introduce tens and ones value
- Identify coins (penny, nickel, dime)
- Introduce estimation

Learner Objective #3: Students will use geometric concepts and relationships to interpret, represent, and solve problems.

- Identify circle, triangle, square, rectangle, star, oval, diamond, circle
- Reproduce the basic shapes (square, rectangle, circle, triangle)

Learner Objective #4: **Students will use appropriate tools to measure accurately. Students will use measurements in problem-solving situations.**

- Explore time to the hour
- Introduce the fractions $\frac{1}{2}$ and $\frac{1}{4}$

Learner Objective #5: **Students will use data and statistics in problem-solving situations.**

- Introduce basic graphs

Learner Objective #6: **Students will use patterns and generalizations to define and solve problems.**

- Identify and classify objects according to size, shape and color
- Patterns AB, ABC