

**MATHEMATICS
CONTENT
STANDARDS FOR
CHRISTIAN UNIFIED
SCHOOLS OF SAN
DIEGO**

**Kindergarten
Parent Handbook**



Standards for Mathematics

Number Sense

1.0 Number Relationships

By the end of Kindergarten, your child will:

- 1.1 Compare two or more sets of objects (up to 10 objects per group) and identify which set is equal to, more than, or less than the other.
- 1.2 Count, recognize, represent, name, and order number of objects up to 31.
- 1.3 Know that the larger numbers describe sets with more objects in them than smaller numbers have.
- 1.4 Order 1 and 2 digit numbers.

2.0 Addition and Subtraction

By the end of Kindergarten, your child will:

- 2.1 Use concrete objects to determine the answers to addition and subtraction problems with two numbers, each less than 10.

3.0 Estimation

By the end of Kindergarten, your child will:

- 3.1 Recognize when an estimate is reasonable.

4.0 Computation With Money

By the end of Kindergarten, your child will:

- 4.1 Identify and count pennies, nickels, and dimes.
- 4.2 Write money amounts using the cent symbol.

Algebra and Functions

1.0 Sorting and Classifying Objects

By the end of Kindergarten, your child will:

- 1.1 Identify, sort, and classify objects by attribute and identify which objects do not belong to a particular group.
- 1.2 Identify the missing shape in a matrix.

Measurement and Geometry

1.0 Measurement

By the end of Kindergarten, your child will:

- 1.1 Compare the length, weight, and capacity of objects (e.g., shorter, longer, taller, lighter, heavier, holds more).
- 1.2 Understand concepts of time (e.g., morning, afternoon, evening, today, yesterday, tomorrow, week, month, year) and the tools used to measure time (e.g., clock, calendar).
- 1.3 Name the days of the week, months, and seasons.
- 1.4 Identify the time (to the nearest hour) of everyday events (e.g., lunch time is 12 o' clock).

2.0 Geometry

By the end of Kindergarten, your child will:

- 2.1 Identify, describe, and draw the common geometric objects such as the circle, triangle, square, and rectangle.
- 2.2 Compare familiar plane (e.g., square, triangle) and solid (e.g., cube, sphere) by common attributes such as position, shape, size, roundness, and number of corners.

Statistics, Data Analysis, and Probability

1.0 Collecting Information

By the end of Kindergarten, your child will:

- 1.1 Pose informational question, collect data, then record the results using objects, pictures, and/or picture graphs.
- 1.2 Identify, describe, and extend simple patterns (e.g., circle, square) by referring to their shapes, sizes, and colors.

Mathematical Reasoning

1.0 Making Decisions about a Problem

By the end of Kindergarten, your child will:

- 1.1 Determine the approach, material, and strategies to be used.
- 1.2 Use tools, strategies, such as manipulative or sketches to model problems.

2.0 Solve Problems and Justify Reasoning

By the end of Kindergarten, your child will:

- 2.1 Explain their reasoning when using concrete objects and/or pictorial representations to solve a problem.
- 2.2 Make precise calculations when solving a problem, and check the validity of the results in the context of the problem.

3.0 Make Connections

By the end of Kindergarten, your child will:

- 3.1 Recognize God as the creator of Earth and founder of mathematic principles.
- 3.2 Recognize the attributes of God evident in mathematics (e.g., orderly, unchanging, absolute)