

# Math TEKS for Kindergarten: 2013-2014

## Primary Areas of Focus:

**A)** Understanding Counting - Know Number names and counting sequence and connect numbers to quantities.

**B)** Understand that addition is joining and subtraction is separating - create strategies to solve problems

**C)** Compare objects by measurable attributes

**Note:** Statements that contain "including" reference content that must be mastered, while "such as" are intended as possible illustrative examples.

## PROCESS: Category 1: Underlying Processes & Mathematical Tools

K.1A Apply Math in Everyday Life Situations

K.1B Problem Solving Model - 1) Analyze Info, 2) Make a plan, 3) Solve, 4) Justify, & 5) Evaluate the process

K.1C Use Tools including real objects, manipulatives, technology, estimation, & mental math to solve problems

K.1D Communicate mathematical ideas using representations including symbols, diagrams, graphs, etc.

K.1E Create and use representations to organize, record, and communicate math ideas

K.1F Analyze mathematical relationships to connect and communicate math ideas

K.1G Display, explain, & justify math ideas and arguments using precise math language written and orally

## Category 2: Numbers & Operations

### Understanding Counting and Relative Position and Magnitude of Whole Numbers

#### CONTENT: (29 TEKS)

#### 8-Week Periods:

1st

2nd

3rd

4th

K.2A Count forward and backward to at least 20 with and without objects

K.2B Read, Write, & Represent whole numbers from 0 - 20+ w/wo objects/pictures

K.2C Count a set of at least 20 objects & demonstrate how last # said tells # of objects.

K.2D Recognize quantity of a small group of objects in organized/random arrangements.

### Comparing Numbers and Models

K.2E Generate a model that represents a # more than/less than/or= to # up to 20.

K.2F Generate a number that is 1 more or 1 less than another number up to 20.

K.2G Compare sets of objects up to at least 20 in each set using comparative language.

K.2H Use comparative language to describe 2 #s up to 20 presented as written numerals

K.2I Compose and decompose #s up to 10 with objects and pictures.

## Category 3: Numbers & Operations - Adding and Subtracting to Solve Problems

K.3A Model the action of joining to represent addition & separating to represent subtraction

K.3B Solve word problems using objects & drawings to find sums/differences up to 10

K.3C Explain strategies used to solve add/subtract problems using words/models/ # sentences.

## Category 4: Money Sense

K4 Identify U.S. coins by name, including pennies, nickels, dimes, and quarters.

## Category 5: Algebraic Reasoning

K5 Identify pattern in # word list. Recite #s up to 100 by 1s&10s beginning w/ any given #.

## Category 6: 2-D & 3-D Geometry

K.6A Identify 2-D Shapes including circles, triangles, rectangles, & squares as special rectangles.

K.6B Identify 3-D solids, including cylinders, cones, spheres, & cubes in real world

K.6C Identify 2-D components of 3-D Objects

K.6D Identify attributes of 2-D shapes using informal/formal geometric language

K.6E Classify and sort a variety of regular and irregular 2-D & 3-D figures

K.6F Create 2-D Shapes using a variety of materials and drawings

## Category 7: Measurement

K.7A Give an example of a measurable attribute of an object including length, capacity, & weight

K.7B Compare 2 objects w/ a common measurable attribute to see which has more/less, describe difference

## Category 8: Data Analysis

K.8A Collect, sort, & organize data into 2-3 categories

K.8BC Use data to create real object and picture graphs & draw conclusions from them

## Category 9: Personal Financial Literacy

K.9A Identify ways to earn income

K.9B Differentiate between money received as income and money received as gifts

K.9C List simple skills required for jobs

K.9D Distinguish between wants & needs & identify income as a source to meet them.