

## Kindergarten Math Skill Plan

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### Kindergarten Math Skills (100+ Topics)

#### 1. Number Sense & Counting

- Count forward to 20, then to 100
  - Count objects up to 20
  - Read and write numbers (0–20)
  - Identify numbers on a number line
  - Compare numbers (more, less, equal)
  - Use ordinal numbers (1st–10th)
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#### 2. Basic Addition & Subtraction

- Add with pictures and objects (sums up to 10)
  - Subtract using visuals (within 10)
  - Understand the concept of zero
  - Use number bonds (e.g.,  $3 + 2 = 5$ )
  - Word problems with objects
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#### 3. Geometry & Shapes

- Identify basic 2D shapes: circle, square, triangle, rectangle, hexagon
  - Sort shapes by size or type
  - Describe attributes: sides, corners
  - Compose simple shapes into new shapes
  - Identify 3D shapes: sphere, cube, cone, cylinder
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#### 4. Measurement & Comparison

- Compare length (longer/shorter)
- Compare weight (heavier/lighter)

- Compare capacity (full/empty, more/less)
  - Use nonstandard units to measure (e.g., paperclips)
  - Identify objects that are taller, wider, etc.
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## 5. Patterns & Sorting

- Identify and extend patterns (AB, ABB, AAB)
  - Create and complete patterns
  - Sort by color, size, or shape
  - Classify objects into categories
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## 6. Introduction to Time & Money

- Identify days of the week
  - Understand morning, afternoon, evening
  - Identify coins: penny, nickel, dime, quarter
  - Match coins to values
  - Recognize clocks and time on the hour
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## 7. Data & Graphing

- Sort objects and count categories
  - Represent data using objects or pictures
  - Interpret basic bar graphs and tally marks
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## 8. Problem Solving & Reasoning

- Use pictures to solve story problems
  - Understand cause and effect with numbers
  - Choose correct operations for simple tasks
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