

Kindergarten Mathematics Year At-A-Glance

How can we use mathematics to organize and make sense of our world? Students in Kindergarten begin to develop number sense through counting, recognizing, representing, and comparing quantities. Students are given time to develop number sense with smaller numbers, gradually working with larger quantities until they ultimately rote count to 100, compare quantities to 30, and compose and decompose numbers to 10.

<u>Quarter 1</u>	Unit 1: Building a Mathematical Community Through the Data Cycle (about 13 days)	Unit 2: Exploring Numeracy (Numbers 0 to 10) (about 22 days)	Unit 3: Objects and their Attributes (about 15 days)
<u>Quarter 2</u>	Unit 4: Early Numeracy (Number to 20) (about 29 days)		Begin Unit 5: Plane Figures and Patterns (about 10 days)
<u>Quarter 3</u>	Complete Unit 5: Plane Figures and Patterns (about 5 days)	Unit 6: Expanding Numeracy (Numbers to 50) (about 34 days)	Begin Unit 7: Measurement (about 6 days)
<u>Quarter 4</u>	Complete Unit 7: Measurement (about 4 days)	Unit 8: Fluency with Number (Numbers to 100) (about 29 days)	Unit 9: The Data Cycle (about 9 days)

Quarter 1: August 19 – October 31 (50 Days)

Quarter	Unit	Suggested Time	Standards of Learning
Quarter 1	<u>Unit 1: Building a Mathematical Community Through the Data Cycle</u>	about 13 days	K.PS.1 The student will apply the data cycle (pose questions; collect or acquire data; organize and represent data; and analyze data and communicate results) with a focus on object graphs and picture graphs.
	<u>Unit 2: Exploring Numeracy (Numbers 0 to 10)</u>	about 22 days	K.NS.1 The student will utilize flexible counting strategies to determine and describe quantities up to 100. [focus on quantities up to 10] K.NS.2 The student will identify, represent, and compare quantities up to 30. [focus on quantities up to 10]
	<u>Unit 3: Objects and their Attributes</u>	about 15 days	K.PS.1 The student will apply the data cycle (pose questions; collect or acquire data; organize and represent data; and analyze data and communicate results) with a focus on object graphs and picture graphs. [focus on sorting and classifying and introducing object graphs]

Quarter 2: November 6 – January 17 (39 Days)

Quarter 2 Unit Guides will be released on October 16, 2024

Quarter	Unit	Suggested Time	Standards of Learning
Quarter 2	<u>Unit 4:</u> <u>Early Numeracy</u> <u>(Number to 20)</u>	about 29 days	K.NS.1 The student will utilize flexible counting strategies to determine and describe quantities up to 100. [focus on quantities up to 20] K.NS.2 The student will identify, represent, and compare quantities up to 30. [focus on quantities up to 20] K.CE.1 The student will model and solve single-step contextual problems using addition and subtraction with whole numbers within 10. [focus on whole numbers within 5]
	<u>Begin Unit 5:</u> <u>Plane Figures and Patterns</u>	about 10 days	K.MG.2 The student will identify, describe, name, compare, and construct plane figures (circles, triangles, squares, and rectangles). K.PFA.1 The student will identify, describe, extend, and create simple repeating patterns using various representations.

Quarter 3: January 23 – March 27 (45 Days)

Quarter 3 Unit Guides will be released on January 2, 2025

Quarter	Unit	Suggested Time	Standards of Learning
Quarter 3	<u>Complete Unit 5: Plane Figures and Patterns</u>	about 5 days	<p>K.MG.2 The student will identify, describe, name, compare, and construct plane figures (circles, triangles, squares, and rectangles).</p> <p>K.PFA.1 The student will identify, describe, extend, and create simple repeating patterns using various representations.</p>
	<u>Unit 6: Expanding Numeracy (Numbers to 50)</u>	about 34 days	<p>K.NS.1 The student will utilize flexible counting strategies to determine and describe quantities up to 100. [focus on quantities up to 50]</p> <p>K.NS.2 The student will identify, represent, and compare quantities up to 30.</p> <p>K.CE.1 The student will model and solve single-step contextual problems using addition and subtraction with whole numbers within 10.</p>
	<u>Begin Unit 7: Measurement</u>	about 6 days	<p>K.MG.1 The student will reason mathematically by making direct comparisons between two objects or events using the attributes of length, height, weight, volume, and time.</p>

Quarter 4: April 1 – June 12 (46 Days)

Quarter 4 Unit Guides will be released on March 11, 2025

Quarter	Unit	Suggested Time	Standards of Learning
Quarter 4	<u>Complete Unit 7: Measurement</u>	about 4 days	K.MG.1 The student will reason mathematically by making direct comparisons between two objects or events using the attributes of length, height, weight, volume, and time.
	<u>Unit 8: Fluency with Number (Numbers to 100)</u>	about 29 days	K.NS.1 The student will utilize flexible counting strategies to determine and describe quantities up to 100. K.CE.1 The student will model and solve single-step contextual problems using addition and subtraction with whole numbers within 10.
	<u>Unit 9: The Data Cycle</u>	about 9 days	K.PS.1 The student will apply the data cycle (pose questions; collect or acquire data; organize and represent data; and analyze data and communicate results) with a focus on object graphs and picture graphs. K.MG.3 The student will describe the units of time represented in a calendar.