



# Math Curriculum Grade K Unit 1 Overview

## Unit 1: Math in Our World

Unit Objective	
Students recognize numbers and quantities in their world.	
How to Prepare for the Unit	
(Log into Imagine Learning first before accessing) 1. Read the Full Unit Narrative and each section's narrative. 2. Read about each lesson and each lesson's activity narrative(s) before teaching a lesson. 3. Anticipate student responses and prepare open-ended questions to ask. 4. Send Family Support Materials home for this unit. 5. Prepare materials for centers and activities. ( <a href="#">Unit 1 Center Prep</a> )	
Unit At-a-Glance	
17 Total days (17 Lessons + 1 Assessment)	
Assessments	
<b>Section Checkpoints:</b> Section A Checkpoint Section B Checkpoint Section C Checkpoint Section D Checkpoint	<b>Summative Assessments:</b> End-of-Unit Assessment (interview)
CCSS-Math Focus Standards	
<b>K.CC.1</b> Count to 100 by ones and by tens. <b>K.CC.4</b> Understand the relationship between numbers and quantities; connect counting to cardinality. <b>K.CC.4c</b> Understand that each successive number name refers to a quantity that is one larger. <b>K.CC.5</b> Count to answer "how many?" questions about as many as 20 things arranged in a line, a rectangular array, or a circle, or as many as 10 things in a scattered configuration; given a number from 1–20, count out that many objects.	

# Unit 1: Name of Unit

	Teacher Learning Goals	Student Learning Goals	Language of the Discipline	Lesson Overview	Materials Needed
Section A: Explore Our Math Tools					
<b>Lesson 1.1</b> Explore Connecting Cubes	Explore and use connecting cubes.  Orally describe a mathematical idea.  <b>Standard K.CC</b>	Let's explore connecting cubes.	Vocab: Begins with Unit 2	<b>Warm-up:</b> Notice and Wonder: Connecting Cubes (15 minutes)  <b>1.1 Activity:</b> Introduce Connecting Cubes, Explore (15 minutes)  <b>Lesson Synthesis ( 10 Min)</b> Reflect on lesson Build Math Community What does it look and sound like to do math together? r  <b>Cool-down:</b> Unit 1, Section A Checkpoint Chart (Found on Page 67-68 in Teacher Resource Pack)	Connecting Cubes  A container of cubes for groups of 2  Math Community Chart (Referenced on TE page 28)  Checkpoint Observation Chart- (Found on Page 67-68 in Teacher Resource Pack)
<b>Lesson 1.2</b> Explore Pattern Blocks	Explore and use pattern blocks.  Share mathematical ideas with a partner.  <b>Standard K.CC, MP6</b>	Let's explore pattern blocks.		<b>Warm-up:</b> Notice and Wonder: Pattern Blocks (10 minutes)  <b>2.1 Activity:</b> Introduce Pattern Blocks, Explore (15 minutes)  <b>Lesson Synthesis ( 10 Min)</b> Reflect on lesson Build Math Community What does it look and sound like to do math together?	Pattern Blocks  A container of pattern blocks for groups of 2  Math Community Chart Checkpoint Observation Chart

				<b>Cool-down:</b> Unit 1, Section A Checkpoint Chart	
<b>Lesson 1.3</b> Explore Two-Color Counters and 5-Frames	Explore and use counters and 5-Frames.  Repeat mathematical ideas shared by a partner.  <b>Standard K.CC, MP3, MP5, MP6</b>	Let's explore two-color counters and 5-frames.		<b>Warm-up:</b> Notice and Wonder: Counters and 5-Frames ( <i>15 minutes</i> )  <b>3.1 Activity:</b> Explore Counters and 5-Frames ( <i>15 minutes</i> )  <b>Lesson Synthesis ( 10 Min)</b> Need: Warm-Up Image Discuss tools and uses Count to 10 (Use the math finger method)  <b>Cool-down:</b> Unit 1, Section A Checkpoint Chart	Two-Color Counters  5-Frame : 1 copy per student  A container of two-color counters for groups of 2  Math Community Chart  Checkpoint Observation Chart
<b>Lesson 1.4</b> Explore Geoblocks	Explore and use geoblocks.  Repeat mathematical ideas shared by a partner.  <b>Standard K.CC, K.G, MP4, MP6</b>	Let's explore geoblocks.		<b>Warm-up:</b> Notice and Wonder: Geoblocks ( <i>10 minutes</i> )  <b>4.1 Activity:</b> Introduce Geoblocks, Explore ( <i>15 minutes</i> )  <b>4.2 Activity:</b> Introduce Geoblocks, Build to Match ( <i>10 minutes</i> )  <b>Lesson Synthesis ( 10 Min)</b> Reflect on lesson Build Math Community Practice counting to 10 (Use the math finger method)  <b>Cool-down:</b> Unit 1, Section A Checkpoint Chart	Geoblocks A container of geoblocks for groups of 2 Geoblock Stage 2 Center Cards (Located in center packet)  Math Community Chart Checkpoint Observation Chart

<b>Lesson 1.5</b> Explore Math Tools	<p>Explore and use math tools.</p> <p>Listen to their partner's mathematical ideas.</p> <p><b>Standard K.CC, K.G, K.G.B, MP2, MP3, MP6</b></p>	<p>Let's explore our math tools.</p>		<p><b>Warm-up:</b> Notice and Wonder: Using Different Tools (10 minutes)</p> <p><b>5.1 Activity:</b> Introduce Connecting Cubes, Build to Match (10 minutes)</p> <p><b>5.2 Activity:</b> Introduce Pattern Blocks, Puzzles (15 minutes)</p> <p><b>5.3 Activity:</b> Centers: Choice Time (15 minutes)</p> <p><b>Lesson Synthesis ( 10 Min)</b>  Reflect on lesson  Build Math Community  Practice counting to 10 (Use the math finger method)  Begin making a list of Norms for doing math together</p> <p><b>Cool-down:</b> Unit 1, Section A Checkpoint Chart</p>	<p>Connecting Cubes/  Stage 2 Center Cards</p> <p>Pattern Blocks/  Stage 2 Center Cards</p> <p>Geoblocks/  Stage 2 Center Cards  (Located in center packet)</p> <p>Math Community Chart  Checkpoint Observation Chart</p> <p>Chart to create class norms</p>
Section B: Recognize Quantities					
<b>Lesson 1.6</b> Look For Small Groups	<p>Recognize and name the number of objects or images in groups of up to 4 without counting.</p>	<p>Let's look for small groups of objects.</p>	<p>Vocab Term</p>	<p><b>Warm-up:</b> Act It Out: Introduction (10 minutes)</p> <p><b>6.1 Activity:</b> How Many Do You See: Introduction (10 minutes)</p> <p><b>6.2 Activity:</b> Introduce Picture Books, Explore (10 minutes)</p>	<p>Picture books</p> <p>Materials from previous centers for Center Choice Time</p>

	<b>Standard K.CC, MP4, MP6</b>			<p><b>6.3 Activity:</b> Centers: Choice Time <i>(25 minutes)</i></p> <p><b>Lesson Synthesis (10 Min)</b>  Lesson Discussion  Practice counting to 10 (Use the math finger method)  Discuss Community Poster  Revisit Norm Chart  Add more ideas</p> <p><b>Cool-down:</b> Unit 1, Section B  Checkpoint Chart</p>	Math Community Chart  Checkpoint Observation Chart  Norm Chart
<b>Lesson 1.7</b> Classroom Scavenger Hunt	<p>Describe to a partner how they saw groups of objects or images.</p> <p>Recognize and name the number of objects or images in groups of up to 4 without counting.</p> <p><b>Standard K.CC, MP1, MP2, MP4</b></p>	<p>Let's look for groups of objects in the classroom.</p>		<p><b>Warm-up:</b> Act it Out: How Can We Show It? <i>(10 minutes)</i></p> <p><b>7.1 Activity:</b> How Many Do You See: Two Images <i>(10 minutes)</i></p> <p><b>7.2 Activity:</b> Classroom Scavenger Hunt <i>(10 minutes)</i></p> <p><b>7.3 Activity: Centers: Choice Time (25 minutes)</b></p> <p><b>Lesson Synthesis (5 Min.)</b>  Lesson Discussion</p> <p><b>Cool-down:</b> Unit 1, Section B  Checkpoint Chart</p>	Materials from previous centers for Center Choice Time  Checkpoint Observation Chart

<p><b>Lesson 1.8</b> Different Groups, Same Quantities</p>	<p>Identify groups of objects or images with the same quantity without counting.</p> <p><b>Standard K.CC, MP1, MP6</b></p>	<p>Let's find groups that have the same number of things.</p>		<p><b>Warm-up:</b> Act It Out: Another Way (10 minutes)</p> <p><b>8.1 Activity:</b> How Many Do You See: 1, 2, 3 (10 minutes)</p> <p><b>8.2 Activity:</b> Different Groups, Same Quantity (10 minutes)</p> <p><b>8.3 Activity:</b> Centers: Choice Time (25 minutes)</p> <p><b>Lesson Synthesis (5 Min)</b> Lesson Discussion</p> <p><b>Cool-down:</b> Unit 1, Section B Checkpoint Chart</p>	<p>Materials from previous centers for Center Choice Time</p> <p>Different Groups, Same Quantity Blackline Master 1 coy for groups of 2</p> <p>Checkpoint Observation Chart</p>
<p><b>Lesson 1.9</b> Create Picture Books</p>	<p>Identify groups of objects or images with the same quantity without counting.</p> <p>Recognize and name the number of objects or images in groups of up to 4 without counting.</p> <p><b>Standard K.CC, K.CC.B.4, MP1</b></p>	<p>Let's make picture books about our classroom.</p>		<p><b>Warm-up:</b> Act It Out: The Story Changes (10 minutes)</p> <p><b>9.1 Activity:</b> How Many Do You See: What Do You Notice? (10 minutes)</p> <p><b>9.2 Activity:</b> Introduce Picture Books, Create (10 minutes)</p> <p><b>9.3 Activity:</b> Centers: Choice Time (25 minutes)</p> <p><b>Lesson Synthesis (10 Min)</b> Lesson Summary Practice counting to 10 Section Summary Discussion</p> <p><b>Cool-down:</b> Unit 1, Section B Checkpoint Chart</p>	<p>Colored pencils or crayons</p> <p>Picture Book: Stage 2 recording Sheet or Use Student Workbook.</p> <p>Materials from previous centers for Center Choice Time</p> <p>Checkpoint Observation Chart</p>

<p><b>Lesson 1.10</b> Are There Enough?</p>	<p>Answer “are there enough” questions about objects.</p> <p><b>Standard K.CC</b></p>	<p>Let’s figure out if there are enough supplies for everyone.</p>	<p>Vocab Term</p> <p>Vocab Term</p>	<p><b>Warm-up:</b> How Many Do You See: Building On <i>(10 minutes)</i></p> <p><b>10.1 Activity:</b> Act It Out: Four Little Speckled Frogs (Part 1) <i>(10 minutes)</i></p> <p><b>10.2 Activity:</b> Are There Enough? <i>(10 minutes)</i></p> <p><b>10.3 Activity:</b> Centers: Choice Time <i>(25 minutes)</i></p> <p><b>Lesson Synthesis (10 Min)</b> Lesson Discussion</p> <p><b>Cool-down:</b> Unit 1, Section C Checkpoint Chart</p>	<p>Erasers, Pencils</p> <p>Materials from previous centers for Center Choice Time</p> <p>Checkpoint Observation Chart</p>
<p><b>Lesson 1.11</b> Get Enough</p>	<p>Make groups with enough objects for each person in the group to get one.</p> <p><b>Standard K.CC, MP1, MP8</b></p>	<p>Lets get enough pencils for everyone</p>		<p><b>Warm-up:</b> How Many Do You See: In a Flash <i>(10 minutes)</i></p> <p><b>11.1 Activity:</b> Act It Out: Four Little Speckled Frogs (Part 2) <i>(10 minutes)</i></p> <p><b>11.2 Activity:</b> Get Enough <i>(10 minutes)</i></p> <p><b>11.3 Activity:</b> Centers: Choice Time <i>(25 minutes)</i></p> <p><b>Lesson Synthesis (5 Min)</b> Lesson Discussion Section Discussion</p>	<p>Pencils: At least 8 for each group of 4</p> <p>Materials from previous centers for Center Choice Time</p> <p>Checkpoint Observation Chart</p>

				Count to 5 (Use math fingers)	
				<b>Cool-down:</b> Unit 1, Section C Checkpoint Chart	
<b>Section D:</b> Counting Collections					
<b>Lesson 1.12</b> How Many Are There? (Part 1)	Count collections of objects.  Say one number for each object.  <b>Standard K.CC, K.CC.A.1, K.CC.B.4, K.CC.B.4.a, K.G.B, MP3, MP5</b>	Let's count collections of objects.	Vocab Term  Vocab Term	<b>Warm-up:</b> Questions About Us: How Many of Us Are Here Today? (10 minutes)  <b>12.1 Activity:</b> Counting Collections (15 minutes)  <b>12.2 Optional Activity:</b> Count to 10 (10 minutes)  <b>12.3 Activity:</b> Introduce Pattern Blocks, Get and Build (20 minutes)  <b>Lesson Synthesis (5 Min)</b> Lesson Discussion  <b>Cool-down:</b> Unit 1, Section D Checkpoint Chart	5-frames  Collections of objects  Counting Mat 1 copy per student  Materials from previous centers  Pattern blocks: Stage 3 Center Cards  Checkpoint Observation Chart
<b>Lesson 1.13</b> How Many Are There? (Part 2)	Count collections of objects.  Keep track of objects that have been counted.	Let's count collections of objects.		<b>Warm-up:</b> Questions About Us: Attendance (10 minutes)  <b>13.1 Activity:</b> Counting Collections (15 minutes)  <b>13.2 Optional Activity:</b> Pair Objects and Numbers (10 minutes)	5-frames  Collections of objects  Counting Mat 1 copy per student



	<p><b>Standard K.CC, K.CC.A.1, K.CC.B, K.CC.B.4.a, K.G.B, MP3, MP5, MP6</b></p>			<p><b>13.3 Activity:</b>Centers: Choice Time (20 minutes)</p> <p><b>Lesson Synthesis ( 5 Min)</b> Lesson Discussion</p> <p><b>Cool-down:</b> Unit 1, Section D Checkpoint Chart</p>	<p>Materials from previous centers</p> <p>Checkpoint Observation Chart</p>
<p><b>Lesson 1.14</b> Answer “How Many” Questions?</p>	<p>Answer “how many” questions.</p> <p>Count collections of objects.</p> <p><b>Standard K.CC, K.CC.A.1, K.CC.B, K.CC.B.4, K.CC.B.4.a, K.G.B, MP2, MP5</b></p>	<p>Let's count collections of objects.</p>		<p><b>Warm-up:</b> Questions About Us: Represent Attendance (Part 1) (10 minutes)</p> <p><b>14.1 Activity:</b> Counting Collections: How Many? (15 minutes)</p> <p><b>14.2 Optional Activity:</b> Egg Carton Counting (10 minutes)</p> <p><b>14.3 Activity:</b> Introduce Connecting Cubes, Get and Build (20 minutes)</p> <p><b>Lesson Synthesis (5 Min)</b> Lesson Discussion</p> <p><b>Cool-down:</b> Unit 1, Section D Checkpoint Chart</p>	<p>Chart paper</p> <p>5-frames</p> <p>Collections of objects</p> <p>Counting mats</p> <p>Egg cartons or Blackline master: 1 copy per student</p> <p>Connecting Cubes Stage 3 Cards</p> <p>Materials from previous centers</p> <p>Checkpoint Observation Chart</p>

<p><b>Lesson 1.15</b> Explain How You Counted</p>	<p>Count collections of objects.</p> <p>Explain how they counted to a partner.</p> <p><b>Standards K.CC.A.1, K.CC.B, K.CC.B.4.a, MP2, MP5</b></p>	<p>Let's count collections of objects and tell our partners how we counted.</p>		<p><b>Warm-up:</b> Questions About Us: Represent Attendance (Part 2) (10 minutes)</p> <p><b>15.1 Activity:</b> Counting Collections: Share How You Counted (15 minutes)</p> <p><b>15.2 Optional Activity:</b> Using a Counting Mat to Keep Track (10 minutes)</p> <p><b>15.3 Activity:</b> Centers: Choice Time (20 minutes)</p> <p><b>Lesson Synthesis (5 Min)</b> Lesson Discussion</p> <p><b>Cool-down:</b> Unit 1, Section D Checkpoint Chart</p>	<p>Chart paper</p> <p>5-frames</p> <p>Collections of objects</p> <p>Counting mats</p> <p>Materials from previous centers</p> <p>Checkpoint Observation Chart</p>
<p><b>Lesson 1.16</b> Represent Our Collections</p>	<p>Count collections of objects</p> <p>Represent a collection of objects.</p> <p><b>Standards K.CC.A.1, K.CC.B, K.CC.B.4.a, MP5</b></p>	<p>Let's count to figure out how many objects are in our collections.</p>		<p><b>Warm-up:</b> Questions About Us: Attendance Display (10 minutes)</p> <p><b>16.1 Activity:</b> Counting Collections: Show How Many (15 minutes)</p> <p><b>16.2 Optional Activity:</b> Answer How Many Questions (10 minutes)</p> <p><b>16.3 Activity:</b> Centers: Choice Time (20 minutes)</p> <p><b>Lesson Synthesis (5 Min)</b> Lesson Discussion</p>	<p>Chart paper</p> <p>Questions About Us 5 frames; See Blackline master - Warm-Up</p> <p>5-frames</p> <p>Collections of objects</p> <p>Counting mats</p>

				<b>Cool-down:</b> Unit 1, Section D Checkpoint	Egg cartons  Materials from previous centers  Checkpoint Observation Chart
<b>Lesson 1.17</b> Connecting Cube Sculptures	Answer "how many" questions.  Count collections of objects.  <b>Standards K.CC, MP4, MP5</b>	Let's build with connecting cubes and figure out how many we have.		<b>Warm-up:</b> How Many Do You See: Connecting Cube Flash (10 minutes)  <b>17.1 Activity:</b> Count Cubes (20 minutes)  <b>17.2 Activity:</b> Connecting Cube Creations (25 minutes)  <b>Lesson Synthesis (5 Min)</b> Lesson Discussion Section Discussion	5-frames  Connecting cubes  Counting mats  Checkpoint Observation Chart
<b>End of Unit Assessment</b>	Standards Assessed: K.CC.A.1 K.CC.B.4			The end of unit assessment for this unit is an interview assessment. Found in Teacher Resource Pack	