

Cognition, Knowledge, Mathematics Long-Range Plan

Kindergarten | Ms. Lisa McKenzie-Wayne

Extracted from the Kindergarten Stepping Stones Curriculum summary. Original dates, standards, and activities retained.

Standards

MNAAdth ematics

Standards:

Mathematics

5.3.1, 5.3.2,

5.3.7, 5.3.10,

5.3.11

NYS standards:

Cognitive

Knowledge:

Math: K.

MATH.1., K.

MATH.4., K.

MATH.10 K.

MATH.17.

Month / Week	Unit / Theme	Cognition, Knowledge, Mathematics
Week 1 August 8/24/26	Theme Beginning Off We Go Book: Hands as Warm as Toast by Lisa Himle	Number Recognition- Children will be able to recognize and name numbers from 1 to 20.

Month / Week	Unit / Theme	Cognition, Knowledge, Mathematics
Week 2 August 8/31/26	Theme Beginning Off We Go Book: This is our House by Michael Rosen	Counting Skills- Children will count objects accurately up to 20 and understand the concept of one- to-one correspondence. Students will Following simple instructions to complete the matching activity, showing the ability to follow step-by-step guidance.
Week 3 September 9/7/26	Theme 1: Heroes Let's be Friends School Closed Labor Day 9/7/26 Book This is our House by Michael Rosen	Students will count the objects and color the corresponding number of boxes to show their answer. Students will count the objects, say the number aloud, and write the number.
Week 4 September 9/14/26	Theme 1: Heroes Let's be Friends Book: A Family is Special by Darwin Walton	Sorting by sizes from smallest to largest. Estimating the number of counters in large jars.

Month / Week	Unit / Theme	Cognition, Knowledge, Mathematics
Week 5 September 9/21/26	Theme1: Heroes Let's be Friends Book: One Smile by Cindy Mckinley	Students will match written numbers to the corresponding quantity of objects to develop number recognition and counting skills. Students will explore and understand the concept of 'equal to' by comparing and grouping objects to identify equal quantities.
Week 6 September 9/28/26	Theme1: Heroes Let's be Friends Book: Fox Makes friends by Adam Relf	Students will use a number line (0-20) to identify and compare numbers as fewer than, more than, or equal to 10. Students will develop number sense by placing markers or objects accurately on the number line.
Week 7 October 10/5/26	Theme1: Heroes Let's be Friends Book: Winners Never Quit by Mia Hamm	Students will compare two groups of objects and identify which group has a greater number. Students will use comparative language such as "more than" and "less than" to describe their reasoning.

Month / Week	Unit / Theme	Cognition, Knowledge, Mathematics
Week 8 October 10/12/26	Theme 1: Heroes Let's be Friends School Closed (Columbus Day) 10/12/26 Book: Bein with You this Way by W. Nikola Lisa	Students will classify bugs based on observable attributes (e.g., color, size, number of legs, type). Students will use math vocabulary such as "more," "less," "same," "estimate," and "group" to describe their observations and thinking.
Week 9 October 10/19/26	Theme 2: My World and Others Who's My Neighbor? Book: Me on the Map by Joan Sweeney.	Students will develop early math and critical thinking skills by identifying similarities and differences among items. Students will use geo-boards and rubber bands to create and explore geometric shapes.
Week 10 October 10/26/26	Theme 2: My World and Others Who's My Neighbor? Book: Adele & Simon by Barbara McClintock .	Students will develop fine motor skills by stretching and placing rubber bands accurately on the geo-board pegs.
Week 11 November 11/2/26	Theme 2: My World and Others Who's My Neighbor? Book: Be My Neighbor by Maya Aimera	MStuadtehnetms waitlli cs measure objects using non-standard tools (e.g., blocks, hands, paper clips) and standard tools (e.g., rulers, measuring tapes).

Month / Week	Unit / Theme	Cognition, Knowledge, Mathematics
Week 12 November 11/9/26	Theme 2: My World and Others Who's My Neighbor? School Closed Veterans Day 11/11/26 Book: Career Day by Anne Rockwell	Students will explore and compare standard and non-standard units of measurement.
Week 13 November 11/16/26	Theme 3: Living Things Deep in the Forest Book: When Rain Falls by Melissa Stewart.	Students will understand the purpose of standard measurement for accuracy and consistency.
Week14 November 11/23/26	Theme 3: Living Things Deep in the Forest School Closed (Thanksgiving Days) 11/26/26 & 11/27/26 Book: Where Would I be in an Evergreen Tree by Jennifer Blomgren	Students will measure objects using both standard and non-standard tools and explain the differences in results.
Week 15 November 11/30/26	Theme 3: Living Things Deep in the Forest Book: Good night, Owl by Pat Hutchins.	Students will count objects accurately and represent quantities by coloring boxes on a ten-frame Students will develop number sense and understand the concept of quantities up to 10 using visual representation
Week 16 December 12/7/26	Theme 3: Living Things Deep in the Forest Book: When we go Camping by Margriet Ruurs	Students will strengthen one-to-one correspondence and early math skills through hands-on counting and coloring.

Month / Week	Unit / Theme	Cognition, Knowledge, Mathematics
Week 17 December 12/14/26	Theme 4: Spiritual Journey: Giving Gifts Book: "Winter's Gift" by Jane Monroe Donovan.	Students will identify and name basic shapes such as stars, circles, squares, and triangles commonly seen during the holidays.
Week 18 December 12/21/26	Theme 4: Spiritual Journey: Giving Gifts School Closed Christmas recess 12/21/26-1/1/26 Book "Christmas Day in the Morning" by Pearl S. Buck.	Students will identify, create, and extend simple repeating patterns using colors, shapes, numbers, or objects.
Week 19 December 12/28/26	Theme 4: Spiritual Journey: Giving Gifts Book: "The Best Present" by Robert Robinson.	Students will understand addition as combining two groups of objects to find a total. Students will count the number of objects in each group and find the total when the groups are combined.
Week 20 January 1/04/27	Theme 5: Friends and Family We Are Family Book: "Dad and Me in the Morning" by Patricia Lakin	Students will be able to complete simple addition sentences using the total number of objects from two groups.

Month / Week	Unit / Theme	Cognition, Knowledge, Mathematics
Week 21 January 1/11/27	Theme 5: Friends and Family, We Are Family Book: Grandfather Counts by Andrea Cheng.	Understand Basic Subtraction: Students will understand subtraction as taking away from a group to make a smaller group. Students will demonstrate understanding of subtraction by taking away a group from a larger set and determining how many are left.
Week 22 January 1/18/27 School Closed (Martin Luther King Day) 1/18/27	Theme 5: Friends and Family, We Are Family Book: Sam and the Lucky Money by Karen Chinn.	Students will use objects, drawings, or fingers to model subtraction problems and explain their thinking.
Week 23 January 1/25/27	Theme 5: Friends and Family, We Are Family Book: Mama Panya's Pancake by Mary and Rich Chamberlin	Students will use related addition and subtraction facts to solve simple subtraction problems using cubes.
Week 24 February 2/01/27	Theme 6: Environment: Brrrr! It's Cold! Book: The Bravest Dog Ever by Natalie Sandiford.	MStuadtehnets waitlli closo k at pictures and tell whether the pictures show addition or subtraction by describing what is happening in the images.

Month / Week	Unit / Theme	Cognition, Knowledge, Mathematics
Week 25 February 2/8/27	Theme 6: Environment: Brrrr! It's Cold! Book: Mama, do you Love Me? By Barbara Joosse.	Students will practice counting aloud from 1 to 100 to build number recognition, develop one-to- one correspondence, and strengthen number sequencing skills.
Week 26 February 2/15/27	Theme 6: Environment: Brrrr! It's Cold! School Closed (Winter Break) 2/15/27-2/19/27 Book: Alaskan BAonoimk:a Al Blaasbkiaens by Deb Vanasse.	Students will build and count sets of 10 using Unifix cubes to practice grouping by tens and understand that 10 sets of 10 equal 100. Students will build understanding of skip counting by 5s to 100 by creating and organizing sets of 5 and recognizing patterns in numbers.
Week 27 February 2/22/27	Theme 6: Environment: Brrrr! It's Cold! Book: The Emperor's Egg by Jane Chapman.	MStuadtehnetms waitlli cs recognize and understand the pattern of counting by 2s up to 24. Students will correctly count aloud by 2s from 2 to 24.

Month / Week	Unit / Theme	Cognition, Knowledge, Mathematics
Week 28 March 3/01/27	Theme 7: Personal Feelings and Growth: Wonderfully Made Book: The Growing Story by Ruth Krauss	Counting with Objects Students will count objects in pairs (e.g., counting pairs of blocks) to reinforce counting by 2s.
Week 29 March 3/8/27	Theme 7: Personal Feelings and Growth: Wonderfully Made Book: The Busy Body Book by Lizzy Rockwell	Students will group objects in sets of 2 and count the total number of objects by adding each pair.
Week 30 March 3/15/27	Theme 7: Personal Feelings and Growth: Wonderfully Made Book: Happy, Healthy Me by Stuart J. Murphy	Students will sort coins by type (penny, nickel, dime, quarter) and begin to recognize and learn the value of each coin through hands-on exploration and discussion.
Week 31 March 3/22/27	Theme 8: Yesterday: Moving On Book: Papa and the Pioneer Quilt by Jean Van Leeuwen	Students will identify basic coins (penny, nickel, dime, quarter), understand that money is used to buy goods and services, and sort coins by type, color, or size.

Month / Week	Unit / Theme	Cognition, Knowledge, Mathematics
Week 32 March 3/29/27	Theme 8: Yesterday: Moving On Book: "A Day on the prairie by Scholastic	Students will recognize a dime as being worth 10 cents, describe its appearance (silver and round), and practice identifying or circling amounts of money using pictures or real coins.
Week 33 April 4/5/27 School Closed Spring Recess 4/5/27-4/9/27	Theme 8: Yesterday: Moving On Book: Iron Horses by Verla Kay & Michael McCurdy	Students will recognize a nickel as being worth 5 cents, describe its appearance (silver and round), and demonstrate understanding by identifying or circling the correct amount of money using pictures or real coins.
Week 34 April 4/12/27	Theme 8: Yesterday: Moving On Book: Arbor Day Square by Kathryn O. Galbraith.	Students will discover that an analog clock contains moving parts that help us tell time. Student will learn to Identify Parts of the Clock: Face - the round part with numbers. Numbers - from 1 to 12. Hands - a short hand (hour hand) and a long hand (minute hand).

Month / Week	Unit / Theme	Cognition, Knowledge, Mathematics
Week 35 April 4/19/27	Theme 9: Social Issues and Culture: I'm on a Mission! Book: Jalapeño Bagels by Robert Casilla.	Students will practice moving the hands of an analog clock to show specific times to the hour and half hour, demonstrating an understanding of basic time-telling concepts.
Week 36 April 4/26/27	Theme 9: Social Issues and Culture: I'm on a Mission! Book: A Box for Jairo by Hearly G. Mayr.	Student will learn that we use clocks to know when it's time for lunch, recess, bedtime, or school. Let's learn how to tell those times using an analog clock!"
Week 37 May 5/03/27	Theme 9: Social Issues and Culture: I'm on a Mission Book: Jungle Thorn by Norma R. Youngberg.	Students will utilize clocks to practice showing and telling time by the hour. Students will utilize clocks to practice showing and telling time by the hour.
Week 38 May 5/10/27	Theme 9: Social Issues and Culture: I'm on a Mission Book: Four Feet, Two Sandals by Karen Lynn Williams	Students will compare and sort objects by attributes such as size, shape, color, or number, and identify which items are the same and which are different.

Month / Week	Unit / Theme	Cognition, Knowledge, Mathematics
Week 39 May 5/17/27	Theme 9: Social Issues and Culture: I'm on a Mission Book: Beatrice's Goat by Page Mc Brier	Students will demonstrate understanding of the concepts same and different by drawing two items that are alike and two that are different, and explaining their reasoning using descriptive words or math vocabulary.
Week 40 May 5/24/27	Theme 9: Social Issues and Culture: I'm on a Mission School Closed Memorial Day 5/31/27 Book: Caps For Sale by Esphyr Sale by Esphyr Slobdkina	Students will recognize, create, and extend simple repeating patterns using colors, shapes, numbers, or objects. Students will identify and describe repeating patterns (e.g., AB, AAB, ABB) using visual or concrete objects.