

Technology, Computer / Science Long-Range Plan

Kindergarten | Ms. Lisa McKenzie-Wayne

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

Standards

NAD Standards:

Technology

5.6.1, 5.6.2, 5.6.3

Science

5.4.1, 5.4.2, 5.4.5,

5.4.7, 5.4.8

NYS Standards:

Cognitive

Knowledge

computer

K-1.IC.1, K-1.IC.4, K-

1.IC.6, K-1.IC.7

Cognitive

Knowledge: Science

K.SCI.4, K.SCI.7,

K.SCI.8. K.SCI.12

Month / Week	Unit / Theme	Technology, Computer / Science
Week 1 August 8/24/26	Theme Beginning Off We Go Book: Hands as Warm as Toast by Lisa Himle	Students will observe the basic structures of plants, such as roots, stems, leaves, and flowers, and understand their roles in plant growth.
Week 2 August 8/31/26	Theme Beginning Off We Go Book: This is our House by Michael Rosen	Students will create a collage illustrating the different parts of a plant. During a Plant Scavenger Hunt, students will observe plants in their environment and identify a variety of shapes, sizes, and colors.

Month / Week	Unit / Theme	Technology, Computer / Science
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 sort seeds by color, size, and texture, using different containers or trays to organize each category. Students will prepare to plant seeds in pots or seed trays and observe the growth process, learning how proper care helps seeds develop into plants.
Week 4 September 9/14/26	Theme 1: Heroes Let's be Friends Book: A Family is Special by Darwin Walton	Students will fill their pots with soil, plant their seeds, press them down gently, and cover them with a small layer of soil.
Week 5 September 9/21/26	Theme1: Heroes Let's be Friends Book: One Smile by Cindy Mckinley	Students will use a small spray water bottle to water plants placed by the classroom window, observing how water and sunlight help plants grow. Students will create a 'My Seed Journal' by drawing their planted seed and updating it with pictures or drawings to document the growth of their plant over time

Month / Week	Unit / Theme	Technology, Computer / Science
Week 6 September 9/28/26	Theme1: Heroes Let's be Friends Book: Fox Makes friends by Adam Relf	Students will identify common animals by name and appearance. Students will demonstrate understanding of animals by mimicking their sounds and movements.
Week 7 October 10/5/26	Theme1: Heroes Let's be Friends Book: Winners Never Quit by Mia Hamm	Students will use drawing and coloring to represent their favorite animal, developing fine motor and artistic expression skills. Students will identify and name an animal of their choice, demonstrating knowledge of animal characteristics.
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 identify and classify animals into the correct vertebrate groups (e.g., birds, fish, mammals, reptiles, amphibians). Students will demonstrate understanding of vertebrates by matching animals to their group and placing them on a "backbone" chart.

Month / Week	Unit / Theme	Technology, Computer / Science
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 explore characteristics of different animal groups through interactive, hands-on learning. Students will practice speaking and listening skills by sharing their drawing and explaining why they chose that animal.
Week 10 October 10/26/26	Theme 2: My World and Others Who's My Neighbor? Book: Adele & Simon by Barbara McClintock .	Students will recognize that animals come in many shapes, sizes, and types, including tame (domesticated) and wild animals.
Week 11 November 11/2/26	Theme 2: My World and Others Who's My Neighbor? Book: Be My Neighbor by Maya Aimeria	Students will identify and name a variety of animals from around the world (e.g., kangaroo, leopard, seal, macaw), learning about their features and habitats.
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 identify animals that are commonly kept as pets (e.g., dog, cat, fish, bird).
Week 13 November 11/16/26	Theme 3: Living Things Deep in the Forest Book: When Rain Falls by Melissa Stewart.	Students will draw a representation of their body to identify major external body parts (e.g., head, arms, legs).

Month / Week	Unit / Theme	Technology, Computer / Science
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 participate in a class discussion to learn about and identify basic internal body parts (e.g., heart, lungs, stomach, brain).
Week 15 November 11/30/26	Theme 3: Living Things Deep in the Forest Book: Good night, Owl by Pat Hutchins.	Students will identify different ways the brain helps them think, feel, move, and learn through listening and viewing activities. Students will demonstrate understanding by creating a poster that illustrates how their brain helps them in daily life.
Week 16 December 12/7/26	Theme 3: Living Things Deep in the Forest Book: When we go Camping by Margriet Ruurs	Students will build self-awareness and vocabulary related to brain functions through discussion and creative expression.

Month / Week	Unit / Theme	Technology, Computer / Science
Week 17 December 12/14/26	Theme 4: Spiritual Journey: Giving Gifts Book: "Winter's Gift" by Jane Monroe Donovan.	Students will observe and describe how lungs work by participating in a hands-on demonstration using a balloon to represent lung function. Students will understand that lungs fill with air when we breathe in and release air when we breathe out.
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 explore how blood moves through the body by observing red-colored water traveling through clear straws as a model of blood flow in veins and arteries.
Week 19 December 12/28/26	Theme 4: Spiritual Journey: Giving Gifts Book: "The Best Present" by Robert Robinson.	Students will develop an understanding of the circulatory system by connecting the movement of liquid in straws to how blood travels through tubes (blood vessels) in the body.

Month / Week	Unit / Theme	Technology, Computer / Science
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 strengthen observation and inquiry skills through hands-on experimentation and guided discussion. How blood travels through tubes (blood vessels) in the body.
Week 21 January 1/11/27	Theme 5: Friends and Family, We Are Family Book: Grandfather Counts by Andrea Cheng.	Students will explore ways to protect the skin by placing bandages and dressing dolls with appropriate clothing in the dramatic play area. Students will develop an understanding of basic self-care and safety by role-playing how to care for skin injuries and stay protected (e.g., from sun, cold, or scrapes).
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 identify and describe the five senses (sight, hearing, touch, taste, and smell) and the body parts associated with each.
Week 23 January 1/25/27	Theme 5: Friends and Family, We Are Family Book: Mama Panya's Pancake by Mary and Rich Chamberlin	Sense of Touch Children will explore and describe objects using their sense of touch to build sensory vocabulary and observation skills.

Month / Week	Unit / Theme	Technology, Computer / Science
Week 24 February 2/01/27	Theme 6: Environment: Brrrr! It's Cold! Book: The Bravest Dog Ever by Natalie Sandiford.	Students will use their sense of touch to explore and describe different textures, identifying how objects feel (such as rough, smooth, soft, or hard).
Week 25 February 2/8/27	Theme 6: Environment: Brrrr! It's Cold! Book: Mama, do you Love Me? By Barbara Joosse.	Children will explore their sense of hearing by using musical instruments to create sounds and describe the sounds they hear using simple words (e.g., loud, soft, high, low, fast, slow).
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 use their sense of hearing to identify and describe different sounds, building listening skills and sound awareness Students will design and create a model of an ear with the intention that it could hear, exploring the basic function and structure of the ear and how it helps us sense sound.

Month / Week	Unit / Theme	Technology, Computer / Science
Week 27 February 2/22/27	Theme 6: Environment: Brrrr! It's Cold! Book: The Emperor's Egg by Jane Chapman.	Students will use their sense of smell to explore and identify various scents at different stations, and discuss their observations with peers to build sensory vocabulary and communication skills.
Week 28 March 3/01/27	Theme 7: Personal Feelings and Growth: Wonderfully Made Book: The Growing Story by Ruth Krauss	Students will use their sense of smell to explore and identify a variety of familiar scents and describe them using sensory vocabulary.
Week 29 March 3/8/27	Theme 7: Personal Feelings and Growth: Wonderfully Made Book: The Busy Body Book by Lizzy Rockwell	Students rotate through the stations and lift the lids one at a time to smell and discuss observations (think pair share)
Week 30 March 3/15/27	Theme 7: Personal Feelings and Growth: Wonderfully Made Book: Happy, Healthy Me by Stuart J. Murphy	Students will explore their sense of taste by safely tasting small samples of different foods (e.g., sweet, salty, sour) and describing each taste using sensory vocabulary.

Month / Week	Unit / Theme	Technology, Computer / Science
Week 31 March 3/22/27	Theme 8: Yesterday: Moving On Book: Papa and the Pioneer Quilt by Jean Van Leeuwen	Students will identify different fruits, practice fine motor skills (such as cutting and mixing), and learn about making healthy food choices by preparing and enjoying a fruit salad.
Week 32 March 3/29/27	Theme 8: Yesterday: Moving On Book: "A Day on the prairie by Scholastic	Students will identify basic hygiene habits to keep their bodies and teeth clean and healthy, and demonstrate understanding through discussion, drawing, or simple role-play.
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 learn the importance of staying clean and will demonstrate proper handwashing techniques to reduce the spread of germs and maintain personal hygiene.
Week 34 April 4/12/27	Theme 8: Yesterday: Moving On Book: Arbor Day Square by Kathryn O. Galbraith.	Students will learn that bones are the hard parts inside your body that make up your skeleton. They give your body shape, help you stand up, and protect important parts inside you—like your brain, heart, and lungs.

Month / Week	Unit / Theme	Technology, Computer / Science
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 learn that bones are like the frame of your body just like the frame of a house. They hold you up and give your body its shape. Without bones, you would be like a jellyfish soft and floppy. .
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.	Students will identify how bones protect important organs in the body (such as the skull protecting the brain and ribs protecting the heart and lungs) through discussion, visual aids, and hands-on activities.
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 understand that bones work together with muscles to help the body move by exploring how joints and bones function through movement activities and discussion Students will learn that bones help the body move by using their own bodies to explore how arms, legs, and joints work.

Month / Week	Unit / Theme	Technology, Computer / Science
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 learn that bones are hard structures inside the body that give it shape, help it move, and protect important organs. They will explore what bones are made of and understand that bone marrow inside some bones helps make blood.
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 identify the functions of bones in the body and explain how nutrition, physical activity, and healthy habits help keep bones strong and healthy.
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 Slobdkina Sale by Esphyr Slobdkina	Students will learn how to build strong bones by identifying healthy habits such as eating calcium-rich foods, getting regular exercise, and spending time in the sunlight for vitamin D. Students will explore the importance of nutrition, physical activity, and healthy lifestyle choices in helping their bones grow strong and stay healthy as they grow.