

## STEM in Action: Master TEKS Alignment Kindergarten

Color Code: PreK – Grade K – PreK- K - Grade 1 – Grade 2 – Grade K-2 – Grade 1-2

### §112.11. Science, Kindergarten, Adopted 2017

(1) Scientific investigation and reasoning: The student conducts classroom and outdoor investigations following home and school safety procedures and uses environmentally appropriate and responsible practices. The student is expected to:

(A) Identify, discuss, and demonstrate safe and healthy practices as outlined in Texas Education Agency-approved safety standards during classroom and outdoor investigations, including wearing safety goggles or chemical splash goggles, as appropriate, washing hands, and using materials appropriately.

Correlated Lessons (1A):

- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration
- STEM in Action, Grades K–2: Coding Mouse Exploration

(B) Demonstrate how to use, conserve, and dispose of natural resources and materials such as conserving water and reusing or recycling paper, plastic, and metal.

Correlated Lessons (1B):

- STEM in Action, Grade K: Little Footprint Exploration

(2) Scientific investigation and reasoning. The student develops abilities to ask questions and seek answers in classroom and outdoor investigations. The student is expected to:

(A) Ask questions about organisms, objects, and events observed in the natural world.

Correlated Lessons (2A):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade PreK: Ron's Ramp Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade K: Little Footprint Exploration
- STEM in Action, Grade K: Sidewalk Safety Exploration
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: How Far Can Ron Go?
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Make It Stop
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Make a Graph
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Which Goes Farther?
- STEM in Action, Grade 1: Shadow Box Theater Exploration
- STEM in Action, Grade 1: Sound Bite Exploration
- STEM in Action, Grade 1: Wild Feet Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration
- STEM in Action, Grades 1-2: Helicopter Hang Time
- STEM in Action, Grades K–2: Coding Mouse Exploration

(B) Plan and conduct simple descriptive investigations.

Correlated Lessons (2B):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Ron's Ramp Adventure
- STEM in Action, Grade K: Sidewalk Safety Exploration
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: How Far Can Ron Go?
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Make It Stop
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Make a Graph
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Which Goes Farther?
- STEM in Action, Grade 1: Shadow Box Theater Exploration
- STEM in Action, Grade 1: Sound Bite Exploration
- STEM in Action, Grade 1: Wild Feet Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration
- STEM in Action, Grades 1-2: Helicopter Hang Time
- STEM in Action, Grades K–2: Coding Mouse Exploration

(C) Collect data and make observations using simple tools.

Correlated Lessons (2C):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure

## STEM in Action: Master TEKS Alignment Kindergarten

Color Code: PreK – Grade K – PreK- K - Grade 1 – Grade 2 – Grade K-2 – Grade 1-2

Correlated Lessons (2C Continued):

- STEM in Action, Grade PreK: Ron's Ramp Adventure
- STEM in Action, Grade K: Little Footprint Exploration
- STEM in Action, Grade K: Sidewalk Safety Exploration
- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: How Far Can Ron Go?
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Make It Stop
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Make a Graph
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Which Goes Farther?
- STEM in Action, Grade 1: Shadow Box Theater Exploration
- STEM in Action, Grade 1: Sound Bite Exploration
- STEM in Action, Grade 1: Wild Feet Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration
- STEM in Action, Grades 1-2: Helicopter Hang Time
- STEM in Action, Grades K-2: Coding Mouse Exploration

(D) Record and organize data and observations using pictures, numbers, and words.

Correlated Lessons (2D):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade PreK: Ron's Ramp Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade K: Little Footprint Exploration
- STEM in Action, Grade K: Sidewalk Safety Exploration
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: How Far Can Ron Go?
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Make It Stop
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Make a Graph
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- STEM in Action, Grade 1: Shadow Box Theater Exploration
- STEM in Action, Grade 1: Sound Bite Exploration
- STEM in Action, Grade 1: Wild Feet Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration
- STEM in Action, Grades 1-2: Helicopter Hang Time
- STEM in Action, Grades K-2: Coding Mouse Exploration

(E) Communicate observations about simple descriptive investigations.

Correlated Lessons (2E):

- STEM in Action, Grade K: Little Footprint Exploration

(3) Scientific investigation and reasoning. The student knows that information and critical thinking are used in scientific problem solving. The student is expected to:

(A) Identify and explain a problem such as the impact of littering and propose a solution.

Correlated Lessons (3A):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade PreK: Ron's Ramp Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade K: Little Footprint Exploration
- STEM in Action, Grade K: Sidewalk Safety Exploration
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: How Far Can Ron Go?
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Make It Stop
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Make a Graph
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Which Goes Farther?
- STEM in Action, Grade 1: Shadow Box Theater Exploration
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- STEM in Action, Grade 1: Wild Feet Exploration

## STEM in Action: Master TEKS Alignment Kindergarten

Color Code: PreK – Grade K – PreK- K - Grade 1 – Grade 2 – Grade K-2 – Grade 1-2

Correlated Lessons (3A Continued):

- STEM in Action, Grade 2: Muddy Mats Exploration
- STEM in Action, Grades 1-2: Helicopter Hang Time
- STEM in Action, Grades K-2: Coding Mouse Exploration

(B) Make predictions based on observable patterns in nature.

Correlated Lessons (3B):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade PreK: Ron's Ramp Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade K: Little Footprint Exploration
- STEM in Action, Grade K: Sidewalk Safety Exploration
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: How Far Can Ron Go?
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- STEM in Action, Grade 1: Sound Bite Exploration
- STEM in Action, Grade 1: Wild Feet Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration
- STEM in Action, Grades 1-2: Helicopter Hang Time
- STEM in Action, Grades K-2: Coding Mouse Exploration

(C) Explore that scientists investigate different things in the natural world and use tools to help in their investigations.

Correlated Lessons (3C):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade PreK: Ron's Ramp Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade K: Little Footprint Exploration
- STEM in Action, Grade K: Sidewalk Safety Exploration
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- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Make It Stop
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Make a Graph
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- STEM in Action, Grade 1: Wild Feet Exploration
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- STEM in Action, Grades 1-2: Helicopter Hang Time
- STEM in Action, Grades K-2: Coding Mouse Exploration

(4) Scientific investigation and reasoning. The student uses age-appropriate tools and models to investigate the natural world. The student is expected to:

(A) Collect information using tools, including computing devices, hand lenses, primary balances, cups, bowls, magnets, collecting nets, and notebooks; timing devices; non-standard measuring items; weather instruments such as demonstration thermometers; and materials to support observations of habitats of organisms such as terrariums and aquariums.

Correlated Lessons (4A):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
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- STEM in Action, Grade PreK: Ron's Ramp Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration

## STEM in Action: Master TEKS Alignment Kindergarten

Color Code: PreK – Grade K – PreK- K - Grade 1 – Grade 2 – Grade K-2 – Grade 1-2

Correlated Lessons (4A Continued):

- STEM in Action, Grade K: Little Footprint Exploration
- STEM in Action, Grade K: Sidewalk Safety Exploration
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: How Far Can Ron Go?
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Make It Stop
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Make a Graph
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Which Goes Farther?
- STEM in Action, Grade 1: Shadow Box Theater Exploration
- STEM in Action, Grade 1: Sound Bite Exploration
- STEM in Action, Grade 1: Wild Feet Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration
- STEM in Action, Grades K-2: Coding Mouse Exploration
- STEM in Action, Grades 1-2: Helicopter Hang Time

B) Use the senses as a tool of observation to identify properties and patterns of organisms, objects, and events in the environment.

Correlated Lessons (4B):

- STEM in Action, Grade 1: Sound Bite Exploration

(5) Matter and energy. The student knows that objects have properties and patterns. The student is expected to:

(A) Observe and record properties of objects, including bigger or smaller, heavier or lighter, shape, color, and texture.

Correlated Lessons (5A):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade PreK: Ron's Ramp Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade K: Sidewalk Safety Exploration
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Which Goes Farther?
- STEM in Action, Grade 1: Sound Bite Exploration
- STEM in Action, Grade 1: Wild Feet Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration
- STEM in Action, Grades 1-2: Helicopter Hang Time

(B) Observe, record, and discuss how materials can be changed by heating or cooling.

Correlated Lessons (5B):

- STEM in Action, Grade 2: Muddy Mats Exploration

(6) Force, motion, and energy. The student knows that energy, force, and motion are related and are a part of their everyday life. The student is expected to:

(A) Use the senses to explore different forms of energy such as light, thermal, and sound.

Correlated Lessons (6A):

- STEM in Action, Grade 1: Sound Bite Exploration

(C) Observe and describe the location of an object in relation to another such as above, below, behind, in front of, and beside.

Correlated Lessons (6C):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade PreK: Ron's Ramp Adventure
- STEM in Action, Grade K: Sidewalk Safety Exploration
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: How Far Can Ron Go?
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Make It Stop
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Which Goes Farther?

(D) Observe and describe the ways that objects can move such as in a straight line, zigzag, up and down, back and forth, round and round, and fast and slow.

Correlated Lessons (6D):

- STEM in Action, Grade PreK: Ron's Ramp Adventure
- STEM in Action, Grade K: Sidewalk Safety Exploration
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: How Far Can Ron Go?

## STEM in Action: Master TEKS Alignment Kindergarten

Color Code: PreK – Grade K – PreK- K - Grade 1 – Grade 2 – Grade K-2 – Grade 1-2

Correlated Lessons (6D Continued):

- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Make It Stop
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Make a Graph
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Which Goes Farther?

(7) Earth and space. The student knows that the natural world includes earth materials. The student is expected to:

(B) Observe and describe physical properties of natural sources of water, including color and clarity.

Correlated Lessons (7B):

- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration

(C) Give examples of ways rocks, soil, and water are useful.

Correlated Lessons (7C):

- STEM in Action, Grade K: Little Footprint Exploration

(8) Earth and space. The student knows that there are recognizable patterns in the natural world and among objects in the sky. The student is expected to:

(A) Observe and describe weather changes from day to day and over seasons.

Correlated Lessons (8A):

- STEM in Action, Grade K: Sunny Sandbox Exploration

(C) Observe, describe, and illustrate objects in the sky such as the clouds, Moon, and stars, including the Sun.

Correlated Lessons (8C):

- STEM in Action, Grade K: Sunny Sandbox Exploration

(9) Organisms and environments. The student knows that plants and animals have basic needs and depend on the living and nonliving things around them for survival. The student is expected to:

(A) Differentiate between living and nonliving things based upon whether they have basic needs and produce offspring.

Correlated Lessons (9A):

- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grades K–2: Coding Mouse Exploration

(B) Examine evidence that living organisms have basic needs such as food, water, and shelter for animals and air, water, nutrients, sunlight, and space for plants.

Correlated Lessons (9B):

- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grades K–2: Coding Mouse Exploration

(10) Organisms and environments. The student knows that organisms resemble their parents and have structures and processes that help them survive within their environments. The student is expected to:

(B) Identify basic parts of plants and animals.

Correlated Lessons (10B):

- STEM in Action, Grade 1: Wild Feet Exploration

### §110.2. Language Arts and Reading, Kindergarten, Adopted 2017

(1) Developing and sustaining foundational language skills: listening, speaking, discussion, and thinking--oral language. The student develops oral language through listening, speaking, and discussion. The student is expected to:

(A) Listen actively and ask questions to understand information and answer questions using multi-word responses.

Correlated Lessons (1A):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade PreK: Ron's Ramp Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade K: Little Footprint Exploration
- STEM in Action, Grade 1: Shadow Box Theater Exploration
- STEM in Action, Grade 1: Sound Bite Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration

(B) Restate and follow oral directions that involve a short, related sequence of actions.

Correlated Lessons (1B):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure

## STEM in Action: Master TEKS Alignment Kindergarten

Color Code: PreK – Grade K – PreK- K - Grade 1 – Grade 2 – Grade K-2 – Grade 1-2

Correlated Lessons (1B Continued):

- STEM in Action, Grade PreK: Ron's Ramp Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration
- STEM in Action, Grades K–2: Coding Mouse Exploration

(C) Share information and ideas by speaking audibly and clearly using the conventions of language.

Correlated Lessons (1C):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade PreK: Ron's Ramp Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration
- STEM in Action, Grades 1-2: Helicopter Hang Time
- STEM in Action, Grades K–2: Coding Mouse Exploration

(D) Work collaboratively with others by following agreed-upon rules for discussion, including taking turns.

Correlated Lessons (1D):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade PreK: Ron's Ramp Adventure
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- STEM in Action, Grade K: Sidewalk Safety Exploration
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- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Which Goes Farther?
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- STEM in Action, Grade 1: Sound Bite Exploration
- STEM in Action, Grade 1: Wild Feet Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration
- STEM in Action, Grades K–2: Coding Mouse Exploration
- STEM in Action, Grades 1-2: Helicopter Hang Time

(2) Developing and sustaining foundational language skills: listening, speaking, reading, writing, and thinking--beginning reading and writing. The student develops word structure knowledge through phonological awareness, print concepts, phonics, and morphology to communicate, decode, and spell. The student is expected to:

(A) Demonstrate phonological awareness by:

(iii) Identifying the individual words in a spoken sentence.

Correlated Lessons (A.iii):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade 1: Sound Bite Exploration

(B) Demonstrate and apply phonetic knowledge by:

(iv) Identifying and reading at least 25 high-frequency words from a research-based list.

Correlated Lessons (B.iv):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration

(D) Demonstrate print awareness by:

(i) Identifying the front cover, back cover, and title page of a book.

Correlated Lessons (2D.i):

- STEM in Action, Grade 1: Sound Bite Exploration

(ii) Holding a book right side up, turning pages correctly, and knowing that reading moves from top to bottom and left to right with return sweep.

Correlated Lessons (2D.ii):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure

## STEM in Action: Master TEKS Alignment Kindergarten

Color Code: PreK – Grade K – PreK- K - Grade 1 – Grade 2 – Grade K-2 – Grade 1-2

Correlated Lessons (2D.ii Continued)

- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade PreK: Ron's Ramp Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade 1: Sound Bite Exploration

(iii) Recognizing that sentences are comprised of words separated by spaces and recognizing word boundaries.

Correlated Lessons (2D.iii):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade 1: Sound Bite Exploration

(3) Developing and sustaining foundational language skills: listening, speaking, reading, writing, and thinking--vocabulary. The student uses newly acquired vocabulary expressively. The student is expected to:

(B) Use illustrations and texts the student is able to read or hear to learn or clarify word meanings.

Correlated Lessons (3B):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade K: Little Footprint Exploration
- STEM in Action, Grade K: Sidewalk Safety Exploration
- STEM in Action, Grade 1: Shadow Box Theater Exploration
- STEM in Action, Grade 1: Sound Bite Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration

(C) Identify and use words that name actions; directions; positions; sequences; categories such as colors, shapes, and textures; and locations.

Correlated Lessons (3C):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade PreK: Ron's Ramp Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration

(5) Comprehension skills: listening, speaking, reading, writing, and thinking using multiple texts. The student uses metacognitive skills to both develop and deepen comprehension of increasingly complex texts. The student is expected to:

(A) Establish purpose for reading assigned and self-selected texts with adult assistance.

Correlated Lessons (5A):

- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade 1: Sound Bite Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration

(B) Generate questions about text before, during, and after reading to deepen understanding and gain information with adult assistance.

Correlated Lessons (5B):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade PreK: Ron's Ramp Adventure
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- STEM in Action, Grade K: Little Footprint Exploration
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- STEM in Action, Grade 1: Sound Bite Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration

(C) Make and confirm predictions using text features and structures with adult assistance.

Correlated Lessons (5C):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure

## STEM in Action: Master TEKS Alignment Kindergarten

Color Code: PreK – Grade K – PreK- K - Grade 1 – Grade 2 – Grade K-2 – Grade 1-2

Correlated Lessons (5C Continued):

- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade PreK: Ron's Ramp Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration

(F) Make inferences and use evidence to support understanding with adult assistance.

Correlated Lessons (5F):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
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- STEM in Action, Grade 1: Wild Feet Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration
- STEM in Action, Grades K–2: Coding Mouse Exploration

(G) Evaluate details to determine what is most important with adult assistance.

Correlated Lessons (5G):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
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- STEM in Action, Grade 1: Wild Feet Exploration
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- STEM in Action, Grades K–2: Coding Mouse Exploration

(H) Synthesize information to create new understanding with adult assistance.

Correlated Lessons (5H):

- STEM in Action, Grade 1: Sound Bite Exploration

(I) Monitor comprehension and make adjustments such as re-reading, using background knowledge, checking for visual cues, and asking questions when understanding breaks down with adult assistance.

Correlated Lessons (5I):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
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(6) Response skills: listening, speaking, reading, writing, and thinking using multiple texts. The student responds to an increasingly challenging variety of sources that are read, heard, or viewed. The student is expected to:

(B) Provide an oral, pictorial, or written response to a text.

Correlated Lessons (6B):

- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure

## STEM in Action: Master TEKS Alignment Kindergarten

Color Code: PreK – Grade K – PreK- K - Grade 1 – Grade 2 – Grade K-2 – Grade 1-2

Correlated Lessons (6B Continued)

- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade K: Sidewalk Safety Exploration

(C) Use text evidence to support an appropriate response.

Correlated Lessons (6C):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade K: Little Footprint Exploration
- STEM in Action, Grade K: Sidewalk Safety Exploration
- STEM in Action, Grade 1: Shadow Box Theater Exploration
- STEM in Action, Grade 1: Sound Bite Exploration
- STEM in Action, Grade 1: Wild Feet Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration
- STEM in Action, Grades K–2: Coding Mouse Exploration

(D) Retell texts in ways that maintain meaning.

Correlated Lessons (6D):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade PreK: Ron's Ramp Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade 1: Sound Bite Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration

(E) Interact with sources in meaningful ways such as illustrating or writing.

Correlated Lessons (6E):

- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade 1: Sound Bite Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration

(F) Respond using newly acquired vocabulary as appropriate.

Correlated Lessons (6F):

- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade 1: Sound Bite Exploration

(7) Multiple genres: listening, speaking, reading, writing, and thinking using multiple texts--literary elements. The student recognizes and analyzes literary elements within and across increasingly complex traditional, contemporary, classical, and diverse literary texts. The student is expected to:

(A) Discuss topics and determine the basic theme using text evidence with adult assistance.

Correlated Lessons (7A):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade K: Little Footprint Exploration
- STEM in Action, Grade K: Sidewalk Safety Exploration
- STEM in Action, Grade 1: Shadow Box Theater Exploration
- STEM in Action, Grade 1: Sound Bite Exploration
- STEM in Action, Grade 1: Wild Feet Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration
- STEM in Action, Grades K–2: Coding Mouse Exploration

## STEM in Action: Master TEKS Alignment Kindergarten

**Color Code: PreK – Grade K – PreK- K - Grade 1 – Grade 2 – Grade K-2 – Grade 1-2**

(B) Identify and describe the main character(s).

Correlated Lessons (7B):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade PreK: Ron's Ramp Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration

(8) Multiple genres: listening, speaking, reading, writing, and thinking using multiple texts--genres. The student recognizes and analyzes genre-specific characteristics, structures, and purposes within and across increasingly complex traditional, contemporary, classical, and diverse texts. The student is expected to:

(C) Discuss main characters in drama.

Correlated Lessons (8C):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade PreK: Ron's Ramp Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration

(D) Recognize characteristics and structures of informational text, including:

(i) The central idea and supporting evidence with adult assistance.

Correlated Lessons (8D.i):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade K: Little Footprint Exploration
- STEM in Action, Grade K: Sidewalk Safety Exploration
- STEM in Action, Grade 1: Shadow Box Theater Exploration
- STEM in Action, Grade 1: Sound Bite Exploration
- STEM in Action, Grade 1: Wild Feet Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration
- STEM in Action, Grades K–2: Coding Mouse Exploration

(ii) Titles and simple graphics to gain information.

Correlated Lessons (8D.ii):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade K: Little Footprint Exploration
- STEM in Action, Grade K: Sidewalk Safety Exploration
- STEM in Action, Grade 1: Sound Bite Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration

(iii) The steps in a sequence with adult assistance.

Correlated Lessons (8D.iii):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade PreK: Ron's Ramp Adventure
- STEM in Action, Grade K: Little Footprint Exploration
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: How Far Can Ron Go?
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Make It Stop
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Make a Graph
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Which Goes Farther?

## STEM in Action: Master TEKS Alignment Kindergarten

Color Code: PreK – Grade K – PreK- K - Grade 1 – Grade 2 – Grade K-2 – Grade 1-2

Correlated Lessons (8D.iii Continued):

- STEM in Action, Grade 1: Shadow Box Theater Exploration
- STEM in Action, Grade 1: Sound Bite Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration

(9) Author's purpose and craft: listening, speaking, reading, writing, and thinking using multiple texts. The student uses critical inquiry to analyze the authors' choices and how they influence and communicate meaning within a variety of texts. The student analyzes and applies author's craft purposefully in order to develop his or her own products and performances. The student is expected to:

(A) Discuss with adult assistance the author's purpose for writing text.

Correlated Lessons (9A):

- STEM in Action, Grade 2: Muddy Mats Exploration

(C) Discuss with adult assistance the author's use of print and graphic features to achieve specific purposes.

Correlated Lessons (9C):

- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade K: Sidewalk Safety Exploration
- STEM in Action, Grade 1: Wild Feet Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration

(E) Listen to and experience first- and third-person texts.

Correlated Lessons (9E):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade 1: Sound Bite Exploration

(10) Composition: listening, speaking, reading, writing, and thinking using multiple texts--writing process. The student uses the writing process recursively to compose multiple texts that are legible and uses appropriate conventions. The student is expected to:

(A) Plan by generating ideas for writing through class discussions and drawings.

Correlated Lessons (10A):

- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade 1: Sound Bite Exploration

(B) Develop drafts in oral, pictorial, or written form by organizing ideas.

Correlated Lessons (10B):

- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade 1: Sound Bite Exploration

(D) Edit drafts with adult assistance using standard English conventions, including:

(i) Complete sentences.

Correlated Lessons (10D.i):

- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade 1: Sound Bite Exploration

(ii) Verbs.

Correlated Lessons (10D.ii):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade PreK: Ron's Ramp Adventure
- STEM in Action, Grade 2: Muddy Mats Exploration

(iii) Singular and plural nouns.

Correlated Lessons (10D.iii):

- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration

(iv) Adjectives, including articles.

Correlated Lessons (10D.iv):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure

## STEM in Action: Master TEKS Alignment Kindergarten

Color Code: PreK – Grade K – PreK- K - Grade 1 – Grade 2 – Grade K-2 – Grade 1-2

Correlated Lessons (10D.iv Continued):

- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade PreK: Ron's Ramp Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade 1: Sound Bite Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration

(v) Prepositions.

Correlated Lessons (10D.v):

- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration

(vi) Pronouns, including subjective, objective, and possessive cases.

Correlated Lessons (10D.vi):

- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration

(vii) Capitalization of the first letter in a sentence and name.

Correlated Lessons (10D.vii):

- STEM in Action, Grade 2: Muddy Mats Exploration

(E) Share writing.

Correlated Lessons (10E):

- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade K: Little Footprint Exploration
- STEM in Action, Grade K: Sidewalk Safety Exploration
- STEM in Action, Grade 1: Shadow Box Theater Exploration

(11) Composition: listening, speaking, reading, writing, and thinking using multiple texts--genres. The student uses genre characteristics and craft to compose multiple texts that are meaningful. The student is expected to:

(A) Dictate or compose literary texts, including personal narratives.

Correlated Lessons (11A):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration

(B) Dictate or compose informational texts.

Correlated Lessons (11B):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade 1: Sound Bite Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration

(12) Inquiry and research: listening, speaking, reading, writing, and thinking using multiple texts. The student engages in both short-term and sustained recursive inquiry processes for a variety of purposes. The student is expected to:

(A) Generate questions for formal and informal inquiry with adult assistance.

Correlated Lessons (12A):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade PreK: Ron's Ramp Adventure
- STEM in Action, Grade 1: Sound Bite Exploration

(B) Develop and follow a research plan with adult assistance.

Correlated Lessons (12B):

- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade 1: Sound Bite Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration

(C) Gather information from a variety of sources with adult assistance.

Correlated Lessons (12C):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure

## STEM in Action: Master TEKS Alignment Kindergarten

Color Code: PreK – Grade K – PreK- K - Grade 1 – Grade 2 – Grade K-2 – Grade 1-2

Correlated Lessons (12C Continued):

- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade PreK: Ron's Ramp Adventure
- STEM in Action, Grade 1: Sound Bite Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration

(D) Demonstrate understanding of information gathered with adult assistance.

Correlated Lessons (12D):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade PreK: Ron's Ramp Adventure
- STEM in Action, Grade 1: Sound Bite Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration

(E) Use an appropriate mode of delivery, whether written, oral, or multimodal, to present results.

Correlated Lessons (12E):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade PreK: Ron's Ramp Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade 1: Sound Bite Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration
- STEM in Action, Grades K–2: Coding Mouse Exploration
- STEM in Action, Grades 1-2: Helicopter Hang Time

### §111.2. Mathematics, Kindergarten, Adopted 2012

(1) Mathematical process standards. The student uses mathematical processes to acquire and demonstrate mathematical understanding. The student is expected to:

(A) Apply mathematics to problems in everyday life, society, and the workplace.

Correlated Lessons (1A):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade PreK: Ron's Ramp Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade K: Sidewalk Safety Exploration
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: How Far Can Ron Go?
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Make It Stop
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Make a Graph
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Which Goes Farther?
- STEM in Action, Grade 1: Sound Bite Exploration
- STEM in Action, Grade 1: Wild Feet Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration
- STEM in Action, Grades 1-2: Helicopter Hang Time

(B) Use a problem-solving model that incorporates analyzing given information, formulating a plan or strategy, determining a solution, justifying the solution, and evaluating the problem-solving process and the reasonableness of the solution.

Correlated Lessons (1B):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure

## STEM in Action: Master TEKS Alignment Kindergarten

Color Code: PreK – Grade K – PreK- K - Grade 1 – Grade 2 – Grade K-2 – Grade 1-2

Correlated Lessons (1B Continued):

- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade PreK: Ron's Ramp Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade K: Little Footprint Exploration
- STEM in Action, Grade K: Sidewalk Safety Exploration
- STEM in Action, Grade 1: Shadow Box Theater Exploration
- STEM in Action, Grade 1: Sound Bite Exploration
- STEM in Action, Grade 1: Wild Feet Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration
- STEM in Action, Grades K–2: Coding Mouse Exploration
- STEM in Action, Grades 1-2: Helicopter Hang Time

(C) Select tools, including real objects, manipulatives, paper and pencil, and technology as appropriate, and techniques, including mental math, estimation, and number sense as appropriate, to solve problems.

Correlated Lessons (1C):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade PreK: Ron's Ramp Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade K: Little Footprint Exploration
- STEM in Action, Grade K: Sidewalk Safety Exploration
- STEM in Action, Grade 1: Shadow Box Theater Exploration
- STEM in Action, Grade 1: Sound Bite Exploration
- STEM in Action, Grade 1: Wild Feet Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration
- STEM in Action, Grades K–2: Coding Mouse Exploration
- STEM in Action, Grades 1-2: Helicopter Hang Time

(D) Communicate mathematical ideas, reasoning, and their implications using multiple representations, including symbols, diagrams, graphs, and language as appropriate.

Correlated Lessons (1D):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade PreK: Ron's Ramp Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade K: Sidewalk Safety Exploration
- STEM in Action, Grade 1: Sound Bite Exploration
- STEM in Action, Grade 1: Wild Feet Exploration

(E) Create and use representations to organize, record, and communicate mathematical ideas.

Correlated Lessons (1E):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade PreK: Ron's Ramp Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade K: Sidewalk Safety Exploration
- STEM in Action, Grade 1: Sound Bite Exploration
- STEM in Action, Grade 1: Wild Feet Exploration

(F) Analyze mathematical relationships to connect and communicate mathematical ideas.

Correlated Lessons (1F):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure

## STEM in Action: Master TEKS Alignment Kindergarten

Color Code: PreK – Grade K – PreK- K - Grade 1 – Grade 2 – Grade K-2 – Grade 1-2

Correlated Lessons (1F Continued):

- STEM in Action, Grade PreK: Pam's Camping Adventure

(G) Display, explain, and justify mathematical ideas and arguments using precise mathematical language in written or oral communication.

Correlated Lessons (1G):

- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade K: Sidewalk Safety Exploration
- STEM in Action, Grade 1: Sound Bite Exploration
- STEM in Action, Grade 1: Wild Feet Exploration
- STEM in Action, Grades 1-2: Helicopter Hang Time

(2) Number and operations. The student applies mathematical process standards to understand how to represent and compare whole numbers, the relative position and magnitude of whole numbers, and relationships within the numeration system. The student is expected to:

(A) Count forward and backward to at least 20 with and without objects.

Correlated Lessons (2A):

- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade PreK: Ron's Ramp Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade K: Little Footprint Exploration
- STEM in Action, Grade K: Sidewalk Safety Exploration
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: How Far Can Ron Go?
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Make It Stop
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Make a Graph
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Which Goes Farther?
- STEM in Action, Grades 1-2: Helicopter Hang Time

(B) Read, write, and represent whole numbers from 0 to at least 20 with and without objects or pictures.

Correlated Lessons (2B):

- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade K: Little Footprint Exploration
- STEM in Action, Grade K: Sidewalk Safety Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration

(C) Count a set of objects up to at least 20 and demonstrate that the last number said tells the number of objects in the set regardless of their arrangement or order.

Correlated Lessons (2C):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade PreK: Ron's Ramp Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade K: Little Footprint Exploration
- STEM in Action, Grade K: Sidewalk Safety Exploration
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: How Far Can Ron Go?
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Make It Stop
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Make a Graph
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Which Goes Farther?
- STEM in Action, Grades 1-2: Helicopter Hang Time
- STEM in Action, Grades K-2: Coding Mouse Exploration

(D) Recognize instantly the quantity of a small group of objects in organized and random arrangements.

Correlated Lessons (2D):

- STEM in Action, Grade K: Sidewalk Safety Exploration

(F) Generate a number that is one more than or one less than another number up to at least 20.

Correlated Lessons (2F):

- STEM in Action, Grade 1: Sound Bite Exploration

## STEM in Action: Master TEKS Alignment Kindergarten

**Color Code:** PreK – Grade K – PreK- K - Grade 1 – Grade 2 – Grade K-2 – Grade 1-2

(G) Compare sets of objects up to at least 20 in each set using comparative language.

Correlated Lessons (2G):

- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade K: Little Footprint Exploration

(H) Use comparative language to describe two numbers up to 20 presented as written numerals.

Correlated Lessons (2H):

- STEM in Action, Grade 1: Sound Bite Exploration

(5) Algebraic reasoning. The student applies mathematical process standards to identify the pattern in the number word list. The student is expected to recite numbers up to at least 100 by ones and tens beginning with any given number.

Correlated Lessons (5):

- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade K: Sidewalk Safety Exploration
- STEM in Action, Grades 1-2: Helicopter Hang Time

(6) Geometry and measurement. The student applies mathematical process standards to analyze attributes of two-dimensional shapes and three-dimensional solids to develop generalizations about their properties. The student is expected to:

(A) Identify two-dimensional shapes, including circles, triangles, rectangles, and squares as special rectangles.

Correlated Lessons (6A):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade K: Little Footprint Exploration
- STEM in Action, Grades K-2: Coding Mouse Exploration

(B) Identify three-dimensional solids, including cylinders, cones, spheres, and cubes, in the real world.

Correlated Lessons (6B):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade K: Little Footprint Exploration
- STEM in Action, Grade 1: Shadow Box Theater Exploration

(C) Identify two-dimensional components of three-dimensional objects.

Correlated Lessons (6C):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration

(D) Identify attributes of two-dimensional shapes using informal and formal geometric language interchangeably.

Correlated Lessons (6D):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade K: Little Footprint Exploration
- STEM in Action, Grade 1: Shadow Box Theater Exploration
- STEM in Action, Grades K-2: Coding Mouse Exploration

(E) Classify and sort a variety of regular and irregular two- and three-dimensional figures regardless of orientation or size.

Correlated Lessons (6E):

- STEM in Action, Grades K-2: Coding Mouse Exploration

(F) Create two-dimensional shapes using a variety of materials and drawings.

Correlated Lessons (6F):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade 1: Shadow Box Theater Exploration

## STEM in Action: Master TEKS Alignment Kindergarten

Color Code: PreK – Grade K – PreK- K - Grade 1 – Grade 2 – Grade K-2 – Grade 1-2

Correlated Lessons (6F Continued)

- STEM in Action, Grade 1: Wild Feet Exploration

(7) Geometry and measurement. The student applies mathematical process standards to directly compare measurable attributes. The student is expected to:

(A) Give an example of a measurable attribute of a given object, including length, capacity, and weight.

Correlated Lessons (7A):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam and Ava's Mapping Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Ramp Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade K: Little Footprint Exploration
- STEM in Action, Grade K: Sidewalk Safety Exploration
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: How Far Can Ron Go?
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Make It Stop
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Make a Graph
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Which Goes Farther?
- STEM in Action, Grade 1: Shadow Box Theater Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration

(B) Compare two objects with a common measurable attribute to see which object has more of/less of the attribute and describe the difference.

Correlated Lessons (7B):

- STEM in Action, Grade PreK: Gus and Nia's Shaking Adventure
- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade K: Sunny Sandbox Exploration
- STEM in Action, Grade K: Little Footprint Exploration
- STEM in Action, Grade K: Sidewalk Safety Exploration
- STEM in Action, Grade 1: Shadow Box Theater Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration

(8) Data analysis. The student applies mathematical process standards to collect and organize data to make it useful for interpreting information. The student is expected to:

(A) Collect, sort, and organize data into two or three categories.

Correlated Lessons (8A):

- STEM in Action, Grade PreK: Ron's Habitat Adventure
- STEM in Action, Grade K: Sidewalk Safety Exploration
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: How Far Can Ron Go?
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Make It Stop
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Make a Graph
- STEM in Action, Grade PreK-K: Ron's Ramp Adventure: Which Goes Farther?
- STEM in Action, Grade 1: Sound Bite Exploration
- STEM in Action, Grade 1: Wild Feet Exploration
- STEM in Action, Grade 2: Muddy Mats Exploration
- STEM in Action, Grades 1-2: Helicopter Hang Time

(B) Use data to create real-object and picture graphs.

Correlated Lessons (8B):

- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Ramp Adventure
- STEM in Action, Grade K: Sidewalk Safety Exploration
- STEM in Action, Grade 1: Sound Bite Exploration

(C) Draw conclusions from real-object and picture graphs.

Correlated Lessons (8C):

- STEM in Action, Grade PreK: Pam's Camping Adventure
- STEM in Action, Grade PreK: Ron's Ramp Adventure
- STEM in Action, Grade K: Sidewalk Safety Exploration
- STEM in Action, Grade 1: Sound Bite Exploration