

Correlation Document
for
New York State Pre-K Learning Standards

Kide Science: about us.



Our activities are story-based inquiries - creating playful scenarios in your classroom.

In every single lesson, children advance crucial science-process skills (also known as inquiry skills):

-  **Observation**
-  **Classification**
-  **Communication**
-  **Measurement**
-  **Predication**
-  **Interpretation**
-  **Conclusion**



Egg-straordinary Nest Building
How do birds look after their babies?

Engineering Science Arts Mathematics

🕒 45 min lesson 📏 Easy preparation

In addition to these scientific inquiry skills, each lesson supports many other skills, including technological, social-emotional, linguistic, mathematical and movement skills.

We really are cross-curricular.

See [our other standards documents](#) for more details.

How Kide Science supports the New York Pre-K Learning Standards



In this document we will:

1. Show you an **overview** of which **domains** we support
2. Provide Kide Science **lesson suggestions** for the standards in each domain that we support



Something missing?

If you have other curriculum requirements, don't hesitate to contact us through info@kidescience.com

Our program supports the New York State Pre-K Learning Standards

We develop inquiry skills across many subjects. Therefore, we align with most of the domains, as shown below. Also see our specific lesson recommendations on the following pages.



Domain 1: Approaches to Learning

- Play and engagement in learning
- Creativity and imagination
- Curiosity and initiative
- Persistence



Domain 2: Physical Development and Health

- Physical development
- Physical fitness
- Physical health and well-being
- Physical safety



Domain 3: Social and Emotional Learning

- Self awareness and self-management skills
- Social awareness and relationship with others
- Decision making skills
- Adaptability



Domain 4A: Communication, Language and Literacy

- Motivation
- Background Knowledge
- Viewing
- Vocabulary
- Representing



Domain 4B: Communication, Language and Literacy*

- *(Reading foundations)*
- Reading
- *(Writing)*
- Speaking and listening

** Our lessons are story based. This means that children's comprehension of stories will be developed each lesson. Some of the lessons can be tweaked to include more writing and reading foundations with the children, but these are not the main aim of our sessions.*

**Domain 5A: Cognition and Knowledge of the World: Mathematics**

- Counting and cardinality
- (Operations and algebraic thinking)
- Measurement and data
- Geometry

**Domain 5B: Cognition and Knowledge of the World: Science**

- Physical science
- Life sciences
- Earth and space sciences
- Engineering design

Domain 5C: Cognition and Knowledge of the World: Social Studies

- Geography, humans and the environment

**Domain 5D: Cognition and Knowledge of the World: The Arts**

- (Dance)
- (Media arts)
- Music
- Theater
- Visual arts

Domain 5E: Cognition and Knowledge of the World: Technology, Computer Science, and Digital Literacy

New York State Pre-K Lesson recommendations






Domain 1: Approaches to learning

Play and engagement in learning PK.AL.1 Actively engages in play as a means of exploration and learning PK.AL.2 Actively engages in problem solving	<div style="text-align: center;"> <p>All lessons</p> <p>Every single lesson is an inquiry set in a playful, imaginary world. Children are encouraged to be curious and to try different strategies when things go wrong.</p> </div>
Creativity and imagination PK.AL.3. Approaches tasks and problems with creativity, imagination and/or willingness to try new experiences	
Curiosity and initiative PK.AL.4. Exhibits curiosity, interest, and willingness to learn new things and have new experiences	
Persistence PK.AL.5. Demonstrates persistence.	







Domain 2: Physical Development and Health

Physical Development PK.PDH.1. Uses senses to assist and guide learning. PK.PDH.2. Uses sensory information to plan and guide out movements PK.PDH.3. Demonstrates coordination and control of large muscles PK.PDH.4. Combines a sequence of large motor skills with and without the use of equipment PK.PDH.5. Demonstrates eye-hand coordination and fine motor skills	<div style="text-align: center;"> <p>Recommended lessons:</p> <p>Crab Walk Lava Pond Party Robot Stop and Go Off Balance</p> <p>Fine motor skills especially: Colorful Drawing Book A Kingdom Under the Sea Hoseli's Magnet Map Optical Illusions Googly Eyes</p> </div>
Physical Fitness PK.PDH.6. Engages in a variety of physical fitness activities	Our lessons are always hands-on and practical, but only certain lessons focus upon physical fitness. See our Kids Collab bundle
Physical Health and Well-Being PK.PDH.7. Demonstrates personal care and hygiene skills PK.PDH.8. Demonstrates awareness and understanding of healthy habits.	<p style="text-align: center;"> Fruity Surprise Getting Dressed for Autumn Germs in Hiding </p>
Physical Safety PK.PDH.9. Demonstrates awareness and understanding of safety rules	All of our lessons provide excellent opportunities to discuss safety with tools, substances etc







Domain 3: Social and Emotional Learning

	<p>Self-Awareness and Self-Management Skills</p> <p>PK.SEL.1. Regulates responses to needs, feelings and events PK.SEL.2. Recognizes self as an individual having unique abilities, characteristics, feelings and interests</p>	 <p>All lessons</p>
	<p>Social Awareness and Relationships with Others</p> <p>PK.SEL.3. Demonstrates and continues to develop positive relationships with significant adults (primary caregivers, teachers, and other familiar adults) PK.SEL.4. Develops positive relationships with their peers PK.SEL.5. Demonstrates pro-social problem-solving skills in social interactions</p>	 <p>All lessons</p> <p>Especially: Puppy Playtime Caring for A Pet Dog True Friends All 5 Pikkuli Lessons</p>
	<p>Decision-Making Skills</p> <p>PK.SEL.6. Understands and follows routines and rules</p>	 <p>All lessons</p>
	<p>Adaptability</p> <p>PK.SEL.7. Adapts to change</p>	








Domain 4A: Communication, Language and Literacy

	<p>Motivation</p> <p>PK.AC.1. Demonstrates motivation to communicate</p>	 <p>All lessons</p> <p>Children are always encouraged to communicate their ideas, including reporting back to the story characters.</p> <p>Children broaden their technical and subject-specific vocabulary whilst they develop their skills. The stories introduce creative, imaginary vocabulary too.</p>
	<p>Background Knowledge</p> <p>PK.AC.2. Demonstrates they are building background knowledge</p>	
	<p>Viewing</p> <p>PK.AC.3 Demonstrates understanding of what is observed</p>	
	<p>Vocabulary</p> <p>PK.AC.4. Demonstrates a growing receptive vocabulary PK.AC.5. Demonstrates a growing expressive vocabulary</p>	
	<p>Representing</p> <p>PK.AC.6. Demonstrates their ability to represent ideas using a variety of methods</p>	

Domain 4B: Communication, Language and Literacy

	<p>Reading Foundations</p> <p><i>Print Concepts</i> PK.ELAL.1. [PKRF.1.]</p> <p><i>Phonological Awareness</i> PK.ELAL.2. [PKRF.2.]</p> <p><i>Phonics and Word Recognition</i> PK.ELAL.3. [PKRF.3.]</p> <p><i>Fluency</i> PK.ELAL.4. [PKRF.4.]</p>	 <p>As a shared read, children could be supported to practise reading foundations during the storytime.</p>
	<p>Reading</p> <p><i>Key Ideas and Details</i> PK.ELAL.5. [PKR.1.], PK.ELAL.6. [PKR.2], PK.ELAL.7 [PKR.3]</p> <p><i>Craft and Structure</i> PK.ELAL.8 [PKR.4] , PK.ELAL.9 [PKR.5], PK.ELAL.10 [PKR.6]</p> <p><i>Integration of Knowledge and ideas</i> PK.ELAL.11 [PKR.7], PK.ELAL.12. [PKR.9]</p>	 <p>All lessons</p> <p>Each lesson introduces a problem in the form of a story. Develop children's reading comprehension by taking time to understand the story, and therefore the problem they need to solve.</p>
	<p>Writing</p> <p><i>Text Types and Purposes</i> PK.ELAL.13 [PKW.1] , PK.ELAL.14. [PKW.2] , PK.ELAL.15. [PKW.3] PK.ELAL.16. [PKW.4]</p> <p><i>Research to Build and Present Knowledge</i> PK.ELAL.17. [PKW.6] , PK.ELAL. 18. [PKW.7]</p>	 <p>Introduce these goals by filling in a learning journal after each session. Some of our adaptation tips also include writing.</p>
	<p>Speaking and Listening</p> <p><i>Comprehension and collaboration</i> PK.ELAL.19. [PKSL.1] , PK.ELAL.20. [PKSL.2] , PK.ELAL.21. [PKSL.3]</p> <p><i>Presentation of Knowledge and Ideas</i> PK.ELAL.22. [PKSL.4], PK.ELAL.23. [PKSL.5] , PK.ELAL.24. [PKSL.6]</p> <p><i>Language</i> PK.ELAL.25. [PKL.1] , PK.ELAL.26. [PKL.2]</p> <p><i>Knowledge of Language</i> PK.ELAL.27. [PKL.4]</p> <p><i>Vocabulary Acquisition and Use</i> PK.ELAL.28. [PKL.5] , PK.ELAL.29 [PKL.6]</p>	 <p>All lessons</p>

Domain 5A: Cognition and Knowledge of the World: Mathematics

	<p>Counting and Cardinality</p> <p><i>Know number names and the count sequence</i> PK.MATH.1. [NY-PK.CC.1.], PK.MATH.2. [NY-PK.CC.2.]</p> <p><i>Counts to tell the number of objects</i> PK.MATH.3. [NY-PK.CC.3.], PK.MATH.3a. [NY-PK.CC.3a.], PK. MATH.3b. [NY-PK.CC.3b.] PK.MATH.4a. [NY-PK.CC.4a.], PK.MATH.4b. [NY-PK.CC.4b]</p> <p><i>Compares numbers</i> PK.MATH.6. [NY-PK.CC.5.], PK.MATH.7. [NY-PK.CC.6.]</p>	 <p>Most lessons</p> <p>Number sense is developed throughout our sessions, as children measure using counting skills. Especially in:</p> <p>Lava Pond A Secret Friend Crab Walk Party Robot</p>
	<p>Operations and Algebraic Thinking</p> <p><i>Understands addition as adding to, and understands subtraction as taking from</i> PK.MATH.8. [NY-PK.OA.1.]</p> <p><i>Understands simple patterns</i> PK.MATH.9. [NY-PK.OA.2.]</p>	 <p>A Secret Friend</p> <p>Whilst it isn't one of our main focus', addition/subtraction could be included into many lessons by exploring the different items children have counted.</p>
	<p>Measurement and Data</p> <p><i>Describes and compares measurable attributes</i> PK.MATH.10. [NY-PK.MD.1.]</p> <p><i>Sorts objects and counts the number of objects in each category</i> PK.MATH.11. [NY-PK.MD.2.]</p>	 <p>Many lessons</p> <p>Measurement skills are developed throughout our sessions as children measure by counting. Especially in:</p> <p>Growing Dino An Exact Science Measuring</p> <p>Children are often encouraged to classify throughout many lessons.</p>
	<p>Geometry</p> <p><i>Identifies and describes shapes</i> PK.MATH.12. [NY-PK.G.1.], PK.MATH.13. [NY-PK.G.2.]</p> <p><i>Explores and creates two and three-dimensional objects</i> PK.MATH.14. [NY-PK.G.3.], PK.MATH.15. [NY-PK.G.4.]</p>	 <p>Most lessons</p> <p>Children are reminded to observe the sizes, shapes and features of objects throughout our lessons, especially in these:</p> <p>Planning an Escape Kindergarten of Shape Creatures A Secret Friend Egg-straordinary Nest Building</p>









Domain 5B: Cognition and Knowledge of the World: Science

<p> Physical Science</p> <p>PK.SCI.1. [P-PS1-1.] Asks questions and uses observations to test the claim that different kinds of matter exist as either solid or liquid</p> <p>PK.SCI.2. [P-PS2-1.] Uses tools and materials to design and build a device that causes an object to move faster with a push or a pull</p> <p>PK.SCI.3. [P-PS4-1.] Plans and conducts investigations to provide evidence that sound is produced by vibrating materials</p>	<p></p> <p>Most lessons Especially: Operation Ice Rescue A Freezing Surprise</p> <p>Frantic Fall Friction on the Slopes</p> <p>Make Some Music Hello. Is Anybody Out There?</p>
<p> Life Sciences</p> <p>PK.SCI.4. [P-LS1-1.] Observes familiar plants and animals (including humans) and describes what they need to survive</p> <p>PK.SCI.5. [P-LS1-2.] Plans and conducts investigations to determine how familiar plants and/or animals use their external parts to help them survive in the environment</p> <p>PK.SCI.6. [P-LS3-1.] Develops a model to describe that some young plants and animals are similar to, but not exactly like, their parents.</p>	<p></p> <p>Most lessons Especially: Breathing Leaves Habitat Hunting Egg-Stratordinary Nest Building What Makes a Living Thing? Hiding in Plain Sight Busy Bees Flowery Business</p>
<p> Earth and Space Sciences</p> <p>-PK.SCI.7. [P-ESS1-1.] Observes and describes the apparent motions of the sun, moon, and stars to recognize predictable patterns</p> <p>PK.SCI.8. [P-ESS2-1.] Asks questions, makes observations, and collects and records data using simple instruments to recognize patterns about how local weather conditions change daily and seasonally.</p> <p>PK.SCI.9. [P-PS3-1.] Plans and conducts an investigation to determine the effect of sunlight on Earth's surfaces</p>	<p></p> <p>Many lessons Especially: all 10 lessons in Kelvin's Weather Adventure</p>
<p> Engineering Design</p> <p>- PK.SCI.10. [K-2-ETS1-1.] Asks questions, makes observations, and gathers information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool</p> <p>PK.SCI.11. [K-2-ETS1-2.] Develops a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem</p> <p>PK.SCI.12. [K-2-ETS1-3.] Analyzes data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs</p>	<p></p> <p>Many lessons Especially: Carousel Planning An Escape The Great Inventors of the Secret Forest Floating Problems Balancing Problems Frantic Fall Kindergarten of Shape Creatures Glue Cave Conundrum</p>


Domain 5C: Cognition and Knowledge of the World: Social Studies

	<p>Individual Development and Cultural Identity</p> <p>PK.SOC.1. Develops a basic awareness of self as an individual, self within the context of group, and self within the context of community</p> <p>PK.SOC.2. Demonstrates awareness and appreciation of their own culture and other cultures</p>	<p>All lessons</p> <p>Supraland, where our stories are set, has no specific culture, religion or community, children can relate to the events in their own way.</p> <p>Children develop their own identity as an investigator. They work together with their community of classmates to solve problems.</p>
	<p>Civic Ideals and Practices</p> <p>PK.SOC.3. Demonstrates an understanding of roles, rights, and responsibilities</p> <p>PK.SOC.4. Begins to learn basic civic and democratic principles</p>	<p>Children will develop an understanding of their own role in society as an investigator.</p> <p>They learn the routines of the inquiries and follow safety rules during the experiments.</p>
	<p>Geography, Humans and the Environment</p> <p>PK.SOC.5 Demonstrates knowledge of the relationship between people, places, and regions</p>	<p>Recommended lessons for map work and describing environments</p> <p>Welcome to Supraland</p> <p>Hoseli's Magnet Map</p> <p>Planes Trains and Hot Air Balloons</p> <p>Journey into Imagination</p> <p>Northbound</p> <p>Habitat Hunting</p>
	<p>Time, Continuity and Change</p> <p>PK.SOC.6. Develops an understanding of how people and things change over time and how to relate past events to their present and future activities</p>	<p>In each lesson our stories are written in present tense, motivating children to solve problems in that very moment.</p> <p>One lesson which does, however, refer to the past is</p> <p>Digging Dinosaurs</p> <p>In some experiments children can be encouraged to monitor changes over time e.g.</p> <p>From Seeds to Plant</p> <p>Secret Messages</p> <p>Operation Ice Rescue</p> <p>Hoseli's Instant Sorbet</p>
	<p>Economic Systems</p> <p>PK.SOC.7. Develops a basic understanding of economic concepts within a community</p>	<p>Our story world, Supraland, hasn't mentioned money just yet!</p>

Domain 5D: Cognition and Knowledge of the World: The Arts

	<p>Dance</p> <p>PK.ARTS.1. [DA:Cr1-3.PK] Creates Dance PK.ARTS.2. [DA:Pr4-6.PK] Performs Dance PK.ARTS.3. [DA:Re7-9.PK] Responds to Dance PK.ARTS.4. [DA:Cn10-11.PK] Connects to Dance</p>	 <p>Whilst we don't have specific dance objectives, we do have expressive movement lessons. E.g. Stop and Go Lava Pond</p>
	<p>Media Arts</p> <p>PK.ARTS.5. [MA:Cr1-3.PK] Creates Media Arts PK.ARTS.6. [MA:Cr4-6.PK] Produces Media Arts PK.ARTS.7. [MA:Re7-9.PK] Responds and Connects to Media Arts</p>	 <p>In some of our lessons we encourage the children to report their findings in whichever way they choose, e.g. Getting Dressed for Autumn</p>
	<p>Music</p> <p>PK.ARTS.8. [MU:Cr1-3.PK] Creates Music PK.ARTS.9. [MU:Pr4-6.PK] Performs Music PK.ARTS.10. [MU:Re7-9.PK] Responds to Music PK.ARTS.11. [MU:Cn10-11.PK] Connects to Music</p>	 <p>Especially: Happy Heartbeat Make Some Music</p>
	<p>Theater</p> <p>PK.ARTS.12. [TH:Cr1-3.PK] Creates Theatrical Arts PK.ARTS.13. [TH:Pr4-6.PK] Performs Theatrical Arts PK.ARTS.14. [TH:Re7-9.PK] Responds to Theatrical Arts PK.ARTS.15. [TH:Cn10-11.PK] Connects to Theatrical Arts</p>	 <p>All lessons Children use drama to be in role as an investigator each lesson</p>
	<p>Visual Arts</p> <p>PK.ARTS.16. [VA:Cr1-3.PK] Creates Visual Arts PK.ARTS.17. [VA:Pr4-6.PK] Presents Visual Arts PK.ARTS.18. [VA:Re7-9.PK] Responds to Visual Arts PK.ARTS.19. [Cn10-11.PK] Connects to Visual Arts</p>	 <p>Many lessons Especially: Planes, Trains and Hot Air Balloons Winter Garden Habitat Hunting Spooky Shadows Great Inventors of the Secret Forest Safe Landing Fruity Surprise</p>

Domain 5E: Cognition and Knowledge of the World: Technology, Computer Science, and Digital Literacy

	<p>Technology tools are useful when used in intentional and developmentally appropriate and responsive ways, when educators work with children to explore different types of technology, when technology is incorporated in authentic ways into different learning centers, and when children have equal access.</p>	 <p>We are proud to say that we are screen free for children. Our practical, hands-on approach engages children and builds skills without the need for technology.</p> <p>However, investigators may choose to present their learning using technology e.g. film a video, take photos or record a voice note.</p>
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