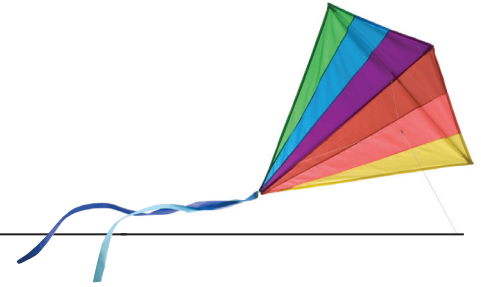




Alignment of



Teaching Strategies GOLD®
Objectives for Development & Learning:
Birth *Through* Kindergarten



WITH

**Alignment of the *Teaching Strategies GOLD*[®] Objectives for Development & Learning: Birth Through Kindergarten
With
*Pennsylvania Learning Standards for Early Childhood: Pre-Kindergarten***

This document aligns the content in the *Pennsylvania Learning Standards for Early Childhood: Pre-Kindergarten* with the objectives, dimensions, and indicators of the *Teaching Strategies GOLD*[®] assessment system.

References

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- Heroman, C., Burts, D. C., Berke, K., & Bickart, T. S. (2010). *Teaching Strategies GOLD*[®] objectives for development & learning: Birth through kindergarten. Bethesda, MD: Teaching Strategies, LLC.

Approaches to Learning through Play	
AL.1 Constructing and Gathering Knowledge	
A. Curiosity and Initiative	
AL.1.PK.A Explore and ask questions to seek meaningful information about a growing range of topics, ideas and tasks	11. Demonstrates positive approaches to learning 11d. Shows curiosity and motivation 6. Shows eagerness to learn about a variety of topics and ideas
B. Risk Taking	
AL.1. PK.B Demonstrate a willingness to participate in new and challenging experiences	11. Demonstrates positive approaches to learning 11e. Shows flexibility and inventiveness in thinking 8. Thinks through possible long-term solutions and takes on more abstract challenges
C. Stages of Play	
AL.1.PK.C Engage in complex play sequences with two or more children	2. Establishes and sustains positive relationships 2c. Interacts with peers 6. Initiates, joins in, and sustains positive interactions with a small group of two to three children 14. Uses symbols and images to represent something not present 14b. Engages in sociodramatic play 6. Interacts with two or more children during pretend play, assigning and/or assuming roles and discussing actions; sustains play scenario for up to 10 minutes
AL.2 Organizing and Understanding Information	
A. Engagement and Attention	
AL.2. PK.A Work toward completing a task, even if challenging, and despite interruptions	11. Demonstrates positive approaches to learning 11b. Persists 8. Plans and pursues own goal until it is reached
B. Task Analysis	
AL.2. PK.B Independently break simple tasks into steps and complete them one at a time	11. Demonstrates positive approaches to learning 11c. Solves problems 7 emerging to 8. Thinks problems through, considering several possibilities and analyzing results

C. Persistence	
AL.2. PK.C Attempt to accomplish challenging tasks by employing familiar and new strategies as needed	11. Demonstrates positive approaches to learning 11b. Persists 6. Plans and pursues a variety of appropriately challenging tasks
D. Patterning	
AL.2.PK.D Recognize and extend simple patterns	23. Demonstrates knowledge of patterns 8. Recognizes, creates, and explains more complex repeating and simple growing patterns
E. Memory	
AL. 2.PK.E Retain and recall information presented over a short period of time	12. Remembers and connects experiences 12a. Recognizes and recalls 8. Uses a few deliberate strategies to remember information
AL.3 Applying Knowledge	
A. Creativity	
AL.3.PK.A Use music, art and/or stories to express ideas, thoughts, and feelings	34. Explores musical concepts and expression
B. Invention	
AL.3. PK.C Produce and explain the purpose for a new creation	14. Uses symbols and images to represent something not present 14a. Thinks symbolically 4. Draws or constructs, and then identifies what it is
C. Representation	
AL.3.PK.B Use materials and objects to represent new concepts	14. Uses symbols and images to represent something not present 14a. Thinks symbolically 6. Plans and then uses drawings, constructions, movements, and dramatizations to represent ideas

AL.4 Learning Through Experience	
A. Making Connections	
AL.4.PK.A Relate knowledge learned from one experience to a similar experience in a new setting	12. Remembers and connects experiences 12b. Makes connections 8. Generates a rule, strategy, or idea from one learning experience and applies it in a new context
B. Resiliency-Competence	
AL.4.PK.B Recognize that everyone makes mistakes and that using positive coping skills can result in learning from the experience	11. Demonstrates positive approaches to learning 11b. Persists 8. Plans and pursues own goal until it is reached
C. Problem Solving	
AL.4. PK.C Attempt problem solving activities to achieve a positive outcome	11. Demonstrates positive approaches to learning 11b. Persists 8. Plans and pursues own goal until it is reached

Language and Literacy Development	
English Language Arts	
1.1 Foundational Skills	
A. Book Handling	
1.1 PK.A Practice appropriate book handling skills	17. Demonstrates knowledge of print and its uses 17a. Uses and appreciates books and other texts 4. Orients book correctly; turns pages from the front of the book to the back; recognizes familiar books by their covers
B. Print Concepts	
1.1 PK.B Identify basic features of print	17. Demonstrates knowledge of print and its uses 17b. Uses print concepts 6. Shows awareness of various features of print: letters, words, spaces, upper- and lowercase letters, some punctuation
C. Phonological Awareness	
1.1 PK.C Demonstrate understanding of spoken words, syllables, and sounds (phonemes)	15. Demonstrates phonological awareness 15c. Notices and discriminates smaller and smaller units of sound 4. Hears and shows awareness of separate syllables in words
D. Phonics and Word Recognition	
1.1. PK.D Develop beginning phonics and word skills	16. Demonstrates knowledge of the alphabet 16b. Uses letter-sound knowledge 4. Produces the correct sounds for 10-20 letters
E. Fluency	
Emerging to... Read emergent reader text with purpose and understanding	18. Comprehends and responds to books and other texts 18b. Uses emergent reading skills 6. Pretends to read, reciting language that closely matches the text on each page and using reading-like intonation

1.2 Reading Informational Text	
A. Key Ideas and Details- Main Idea	
1.2 PK.A With prompting and support, retell key details of text that support a provided main idea	18. Comprehends and responds to books and other texts 18a. Interacts during read-alouds and book conversations 5 emerging to 6. Identifies story- related problems, events, and resolutions during conversations with an adult
B. Key Ideas and Details- Text Analysis	
1.2 PK.B Answer questions about a text	18. Comprehends and responds to books and other texts 18a. Interacts during read-alouds and book conversations 4. Asks and answers questions about the text; refers to pictures
C. Key Ideas and Details	
1.2 PK.C With prompting and support, make connections between information in a text and personal experience	12. Remembers and connects experiences 12b. Makes connections 6. Draws on everyday experiences and applies this knowledge to a similar situation 18. Comprehends and responds to books and other texts 18a. Interacts during read-alouds and book conversations 5 emerging to 6. Identifies story- related problems, events, and resolutions during conversations with an adult
E. Craft and Structure – Text Structure	
1.2 PK.E Identify the front cover, back cover and title page of a book	17. Demonstrates knowledge of print and its uses 17a. Uses and appreciates books 6. Knows some features of a book (e.g., title, author, illustrator); connects specific books to authors
F. Craft and Structure Vocabulary	
1.2 PK.F With prompting and support, answer questions about unfamiliar words read aloud from a text	18. Comprehends and responds to books and other texts 18a. Interacts during read-alouds and book conversations 4. Asks and answers questions about the text; refers to pictures

G. Integration of Knowledge and Ideas	
1.2 PK.G With prompting and support, answer questions to connect illustrations to the written word	18. Comprehends and responds to books and other texts 18a. Interacts during read-alouds and book conversations 4. Asks and answers questions about the text; refers to pictures
I. Integration of Knowledge and Ideas –Analysis Across Texts	
1.2 PK.I With prompting and support, identify basic similarities and differences between two texts read aloud on the same topic	18. Comprehends and responds to books and other texts 18a. Interacts during read-alouds and book conversations 4. Asks and answers questions about the text; refers to pictures
J. Vocabulary Acquisition and Use	
1.2 PK.J Use new vocabulary and phrases acquired in conversations and being read to	9. Uses language to express thoughts and needs 9a. Uses an expanding expressive vocabulary 8. Incorporates new, less familiar or technical words in everyday conversations
K. Vocabulary Acquisition and Use	
1.2 PK.K With prompting and support, clarify unknown words or phrases read aloud	9. Uses language to express thoughts and needs 9a. Uses an expanding expressive vocabulary 8. Incorporates new, less familiar or technical words in everyday conversations
L. Range of Reading	
1.2 PK.L With prompting and support, actively engage in group reading activities with purpose and understanding	18. Comprehends and responds to books and other texts 18a. Interacts during read-alouds and book conversations 6. Identifies story-related problems, events, and resolutions during conversations with an adult

1.3 Reading Literature	
A. Key Ideas and Details- Theme	
1.3. PK.A With prompting and support, retell a familiar story in a sequence with picture support	18. Comprehends and responds to books and other texts 18c. Retells stories 4. Retells familiar stories using pictures or props as prompts
B. Key Ideas and Details- Text Analysis	
1.3. PK.B Answer questions about a particular story (who, what, how, when, and where)	18. Comprehends and responds to books and other texts 18c. Retells stories 6. Retells a familiar story in proper sequence, including major events and characters
C. Key Ideas and Details- Literary Elements	
1.3.PK.C With prompting and support, answer questions to identify characters, settings, and major events in a story	18. Comprehends and responds to books and other texts 18c. Retells stories 6. Retells a familiar story in proper sequence, including major events and characters
D. Craft and Structure- Point of View	
1.3. PK.D With prompting and support, name the author and illustrator of a story	17. Demonstrates knowledge of print and its uses 17a. Uses and appreciates books 6. Knows some features of a book (e.g., title, author, illustrator), connects specific books to authors
E. Craft and Structure- Text Structure	
1.3. PK.E With prompting and support, recognize common types of text	17. Demonstrates knowledge of print and its uses 17a. Uses and appreciates books 8. Uses various types of books for their intended purposes
F. Craft and Structure- Vocabulary	
1.3. PK.F Answer questions about unfamiliar words read aloud from a story	9. Uses language to express thoughts and needs 9a. Uses an expanding expressive vocabulary 7 emerging to 8. Incorporates new, less familiar, or technical words in everyday conversations

G. Integration of Knowledge and Ideas- Sources	
1.3.PK.G Describe pictures in books using detail	18. Comprehends and responds to books and other texts 18a. Interacts during read-alouds and book conversations 4. Asks and answers questions about the text; refers to pictures
H. Integration of Knowledge and Ideas- Text Analysis	
1.3. PK.H Answer questions to compare and contrast the adventures and experiences of characters in familiar stories	18. Comprehends and responds to books and other texts 18a. Interacts during read-alouds and book conversations. 7 emerging to 8. Reconstructs story, using pictures, text, and props; begins to make inferences and draw conclusions
I. Vocabulary Acquisition & Use Strategies	
1.3. PK.I With prompting and support, clarify unknown words or phrases read aloud	9. Uses language to express thoughts and needs 9a. Uses an expanding expressive vocabulary 7 emerging to 8. Incorporates new, less familiar, or technical words in everyday conversations
J. Vocabulary Acquisition and Use	
1.3. PK.J Use new vocabulary and phrases acquired in conversations and being read to	9. Uses language to express thoughts and needs 9a. Uses an expanding expressive vocabulary 7 emerging to 8. Incorporates new, less familiar, or technical words in everyday conversations
K. Range of Reading	
1.3. PK.K With prompting and support, actively engage in group reading activities with purpose and understanding	18. Comprehends and responds to books and other texts 18a. Interacts during read-alouds and book conversation 6. Identifies story-related problems, events, and resolutions during conversations with an adult

1.4 Writing	
A. Informative/Explanatory	
1.4. PK.A Draw/dictate to compose informative /explanatory texts examining a topic	19. Demonstrates writing skills 19b. Writes to convey meaning 5. Early invented spelling
B. Informative/Explanatory- Focus	
1.4. PK.B With prompting and support, draw/dictate about one specific topic	19. Demonstrates writing skills 19b. Writes to convey meaning 5. Early invented spelling
C. Informative/Explanatory- Organization	
1.4. PK.C With prompting and support, generate ideas to convey information	19. Demonstrates writing skills 19b. Writes to convey meaning 5. Early invented spelling
D. Informative/Explanatory- Organization	
1.4.PK.D With prompting and support, make logical connections between drawing and dictation	19. Demonstrates writing skills 19b. Writes to convey meaning 5. Early invented spelling
F. Informative/Explanatory- Conventions of _____	
Emerging to... Spell simple words phonetically	19. Demonstrates writing skills 19b. Writes to convey meaning 5. Early invented spelling
M. Narrative	
1.4. PK.M Dictate narratives to describe real or imagined experiences or events	9. Uses language to express thoughts and needs 9d. Tells about another time or place 6. Tells stories about other times and places that have a logical order and that include major details

N. Narrative Focus	
1.4. PK.N Establish “who” and “what” the narrative will be about	9. Uses language to express thoughts and needs 9d. Tells about another time or place 6. Tells stories about other times and places that have a logical order and that include major details
O. Narrative Content	
1.4. PK.O With prompting and support, describe experiences and events	9. Uses language to express thoughts and needs 9d. Tells about another time or place 6. Tells stories about other times and places that have a logical order and that include major details
P. Narrative Organization	
1.4. PK.P Recount a single event and tell about the events in the order in which they occurred	9. Uses language to express thoughts and needs 9d. Tells about another time or place 6. Tells stories about other times and places that have a logical order and that include major details
R. Narrative Conventions of Language	
Emerging to... Spell simple words phonetically	19. Demonstrates writing skills 19b. Writes to convey meaning 5. Early invented spelling
T. Production and Distribution of Writing Process	
1.4. PK.T With guidance and support from adults and peers, respond to questions and suggestions, add details as needed	19. Demonstrates writing skills 19b. Writes to convey meaning 5. Early invented spelling
V. Conducting Research	
1.4. PK.V Ask questions about topics of personal interest to gain information; with teacher guidance and support, locate information on the chosen topic	11. Demonstrates positive approaches to learning 11d. Shows curiosity and motivation 8. Uses a variety of resources to find answers to questions

W. Credibility, Reliability, and Validity of Sources	
1.4. PK.W With guidance and support, recall information from experiences or books	12. Remembers and connects experiences 12a. Recognizes and recalls 8. Uses a few deliberate strategies to remember information
X. Range of Writing	
Emerging to... Write routinely over short time frames.	11. Demonstrates positive approaches to learning 11a. Attends and engages 6. Sustains work on age-appropriate, interesting tasks; can ignore most distractions and interruptions 19. Demonstrates writing skills 19b. Writes to convey meaning 6. Late invented spelling
1.5 Speaking and Listening	
A. Comprehension and Collaboration- Collaborative Discussion	
1.5.PK.A Participate in collaborative conversations with peers and adults in small and larger groups	2. Establishes and sustains positive relationships 2c. Interacts with peers 6. Initiates, joins in, and sustains positive interactions with a small group of two to three children 10. Uses appropriate conversational and other communication skills 10b. Uses social rules of language 6. Uses acceptable language and basic social rules while communicating with others; may need reminders
B. Comprehension and Collaboration- Evaluation Critical Listening	
1.5. PK.B Answer questions about key details in a text read aloud or information presented orally or through other media	18. Comprehends and responds to books and other texts 18a. Interacts during read-alouds and book conversation 6. Identifies story-related problems, events, and resolutions during conversations with an adult

C. Comprehension and Collaboration- Evaluating	
1.5. PK.C Respond to what a speaker says in order to follow directions, seek help, or gather information	<p>8. Listens to and understands increasingly complex language 8a. Comprehends language 6. Responds appropriately to specific vocabulary and simple statements, questions, and stories</p> <p>8. Listens to and understands increasingly complex language 8b. Follows directions 6. Follows directions of two or more steps that relate to familiar objects and experiences</p>
D. Presentation of Knowledge and Ideas- Purpose, Audience and _____	
1.5. PK.D Use simple sentences; share stories, familiar experiences, and interests, speaking clearly enough to be understood by most audiences	<p>9. Uses language to express thoughts and needs 9a. Uses an expanding expressive vocabulary 6. Describes and tells the use of many familiar items</p> <p>9. Uses language to express thoughts and needs 9b. Speaks clearly 6. Is understood by most people; may mispronounce new, long, or unusual words</p>
E. Presentation of Knowledge and Ideas- Context	
1.5. PK.E Use simple sentences; express thoughts, feelings, and ideas, speaking clearly enough to be understood by most audiences	<p>9. Uses language to express thoughts and needs 9a. Uses an expanding expressive vocabulary 6. Describes and tells the use of many familiar items</p>
G. Conventions of Standard English	
1.5. PK.G Demonstrate command of the conventions of standard English when speaking based on pre-kindergarten level and content	<p>9. Uses language to express thoughts and needs 9a. Uses an expanding expressive vocabulary 6. Describes and tells the use of many familiar items</p> <p>9. Uses language to express thoughts and needs 9b. Speaks clearly 6. Is understood by most people; may mispronounce new, long, or unusual words</p>

Mathematical Thinking and Expression	
2.1 Numbers and Operations	
A. Counting and Cardinality	
2.1 PK.A.1 Know number names and the count sequence	20. Uses number concepts and operations 20a. Counts 6. Verbally counts to 20; counts 10–20 objects accurately; knows the last number states how many in all; tells what number (1–10) comes next in order by counting
2.1 PK.A.2 Count to tell the number of objects	20. Uses number concepts and operations 20a. Counts 6. Verbally counts to 20; counts 10–20 objects accurately; knows the last number states how many in all; tells what number (1–10) comes next in order by counting
2.1 PK.A.3 Compare numbers	20. Uses number concepts and operations 20c. Connects numerals with their quantities 6. Identifies numerals to 10 by name and connects each to counted objects
2.1.PK.MP Use mathematical processes when quantifying, comparing, representing, and modeling numbers	20. Uses number concepts and operations 20b. Quantifies 6. Makes sets of 6–10 objects and then describes the parts; identifies which part has more, less, or the same (equal); counts all or counts on to find out how many
2.2 Algebraic Concepts	
A. Operations and Algebraic Thinking	
PK.A.1 Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from	20. Uses number concepts and operations 20b. Quantifies 8. Uses a variety of strategies (counting on, or counting back), to solve problems with more than 10 objects
2.2. PK.MP Use mathematical processes when representing relationships	20. Uses number concepts and operations 20b. Quantifies 6. Makes sets of 6–10 objects and then describes the parts; identifies which part has more, less, or the same (equal); counts all or counts on to find out how many

2.3 Geometry	
A. Geometry	
2.3. PK.A.1 Identify and describe shapes	21. Explores and describes spatial relationships and shapes 21b. Understands shapes 6. Describes basic two- and three- dimensional shapes by using own words; recognizes basic shapes when they are presented in a new orientation
2.3. PK.A.2 Analyze, compare, create, and compose shapes	21. Explores and describes spatial relationships and shapes 21b. Understands shapes 8. Shows that shapes remain the same when they are moved, turned, flipped, or slid; breaks apart or combines shapes to create different shapes and sizes
2.3.PK.MP Use mathematical processes when drawing, constructing, modeling, and representing shapes	21. Explores and describes spatial relationships and shapes 21b. Understands shapes 8. Shows that shapes remain the same when they are moved, turned, flipped, or slid; breaks apart or combines shapes to create different shapes and sizes
2.4 Measurement, Data and Probability	
A. Measurement and Data	
2.4. PK.A.1 Describe and compare measurable attributes of length and weights of everyday objects	22. Compares and measures 4. Compares and orders a small set of objects as appropriate according to size, length, weight, area, or volume; knows usual sequence of basic daily events and a few ordinal numbers
2.4 PK.A.2 Classify objects and count the number of objects in each category	13. Uses classification skills 4. Places objects in two or more groups based on differences in a single characteristic, e.g., color, size, or shape 20. Uses number concepts and operations 20a. Counts 6. Verbally counts to 20; counts 10–20 objects accurately; knows the last number states how many in all; tells what number (1–10) comes next in order by counting

2.4.PK.MP Use mathematical processes when measuring; representing, organizing, and understanding data

- 14. Uses symbols and images to represent something not present
- 14a. Thinks symbolically
 - 8. Represents objects, places, and ideas with increasingly abstract symbols
- 22. Compares and measures
 - 6. Uses multiples of the same unit to measure; uses numbers to compare; knows the purpose of standard measuring tools

Scientific Thinking and Technology	
3.1 Biological Sciences	
A. Living and Non-Living Organisms	
1. Common Characteristics of Life	
3.1 PK.A.1 Recognize the difference between living and non-living things	25. Demonstrates knowledge of the characteristics of living things
2. Energy Flow	
3.1. PK.A.2 Identify basic needs of plants (water and light) and animals (food, water and light)	25. Demonstrates knowledge of the characteristics of living things
3. Life Cycles	
3.1. PK.A.3 Recognize that plants and animals grow and change	25. Demonstrates knowledge of the characteristics of living things
5. Form and Function	
3.1. PK.A.5 Name basic parts of living things	25. Demonstrates knowledge of the characteristics of living things
9. Science as Inquiry	
3.1. PK.A.9 Participate in simple investigations about living and/or non-living things to answer a question or to test a prediction	24. Uses scientific inquiry skills 25. Demonstrates knowledge of the characteristics of living things
B. Genetics	
1. Heredity	
3.1. PK.B.1 Recognize and compare physical characteristics of living things from same species	13. Uses classification skills 4. Places objects in two or more groups based on differences in a single characteristic, e.g., color, size, or shape 25. Demonstrates knowledge of the characteristics of living things
6. Science as Inquiry	
3.1. PK.B.6 Participate in simple investigations of physical characteristics of living things from same species to answer a question or to test a prediction	24. Uses scientific inquiry skills 25. Demonstrates knowledge of the characteristics of living things

C. Evolution	
3. Unifying Themes	
3.1. PK.C.3 Describe changes that occur in animals	25. Demonstrates knowledge of the characteristics of living things
4. Science as Inquiry	
3.1. PK.C.4 Participate in simple investigations of changes in animals to answer a question or to test a prediction	24. Uses scientific inquiry skills 25. Demonstrates knowledge of the characteristics of living things
3.2 Physical Sciences	
A. Chemistry	
1. Properties of Matter	
3.2. PK.A.1 Sort and describe objects according to size, shape, color and texture	13. Uses classification skills 4. Places objects in two or more groups based on differences in a single characteristic, e.g., color, size, or shape
3. Matter and Energy	
3.2. PK.A.3 Notice change in matter	26. Demonstrates knowledge of the physical properties of objects and materials
5. Unifying Themes	
3.2. PK.A.5 Recognize that everything is made of matter	24. Uses scientific inquiry skills 26. Demonstrates knowledge of the physical properties of objects and materials
6. Science as Inquiry	
3.2. PK.A.6 Participate in simple investigations of matter to answer a question or to test a prediction	24. Uses scientific inquiry skills 26. Demonstrates knowledge of the physical properties of objects and materials

B. Physics	
1. Force & Motion of Practices & Rigid Bodies	
3.2. PK.B.1 Explore and describe the motion of toys and objects	26. Demonstrates knowledge of the physical properties of objects and materials 28. Uses tools and other technology to perform tasks
5. Nature of Waves (Sound and Light Energy)	
3.2. PK.B.5 Create and describe variations of sound	24. Uses scientific inquiry skills 26. Demonstrates knowledge of the physical properties of objects and materials
6. Unifying Themes (Energy)	
3.2. PK.B.6 Recognize that light from the sun is an important source of energy for living and nonliving systems and some source of energy is needed for all organisms to stay alive and grow	25. Demonstrates knowledge of the characteristics of living things
7. Science as Inquiry	
3.2. PK.B.7 Participate in simple investigations of energy and motion to answer a question or to test a prediction	24. Uses scientific inquiry skills 26. Demonstrates knowledge of the physical properties of objects and materials 28. Uses tools and other technology to perform tasks

3.3 Earth and Space Sciences	
A. Earth Structure, Processes and Cycles	
1. Earth Features and the Processes that Change it	
3.3. PK.A.1 Sort different types of earth materials	13. Uses classification skills 4. Places objects in two or more groups based on differences in a single characteristic, e.g., color, size, or shape 26. Demonstrates knowledge of Earth’s environment
4. Water	
3.3. PK.A.4 Identify a variety of uses for water	27. Demonstrates knowledge of Earth’s environment
5. Weather and Climate	
3.3. PK.A.5 Identify seasons that correspond with observable conditions and identify how weather affects daily life	27. Demonstrates knowledge of Earth’s environment
7. Science as Inquiry	
3.3. PK.A.7 Participate in simple investigations of earth structures, processes, and cycles to answer a question or to test a prediction	27. Demonstrates knowledge of Earth’s environment
B. Origin and Evolution of the Universe	
1. Comparisons and Structure	
3.3. PK.B.1 Identify objects that can be found in the day or night sky	27. Demonstrates knowledge of Earth’s environment
3. Science as Inquiry	
3.3. PK.B.3 Participate in simple investigations of the objects found in the day or night sky to answer a question or to test a prediction	27. Demonstrates knowledge of Earth’s environment
4.1 Ecology	
A. The Environment	
4.1 PK.A Identify living and non-living things in the immediate and surrounding environment	25. Demonstrates knowledge of the characteristics of living things 27. Demonstrates knowledge of Earth’s environment

C. Energy Flow	
4.1. PK.C Identify that plants need the sun to grow	25. Demonstrates knowledge of the characteristics of living things 27. Demonstrates knowledge of Earth’s environment
D. Biodiversity	
4.1. PK.D Identify basic needs of living things	25. Demonstrates knowledge of the characteristics of living things
E. Succession	
4.1. PK.E Identify the change of seasons in the environment	27. Demonstrates knowledge of Earth’s environment
4.2 Watersheds and Wetlands	
A. Watersheds	
4.2. PK.A Identify various types of moving water in Pennsylvania	27. Demonstrates knowledge of Earth’s environment
B. Wetlands	
4.2. PK.B Identify a wetland as an ecosystem in Pennsylvania	27. Demonstrates knowledge of Earth’s environment
C. Aquatic Ecosystem	
4.2. PK.C Describe an aquatic (water) and terrestrial (land) habitat	27. Demonstrates knowledge of Earth’s environment
4.3 Natural Resources	
A. Use of Natural Resources	
4.3. PK.A Identify how the environment provides for the needs of people in their daily lives	27. Demonstrates knowledge of Earth’s environment
B. Availability of Natural Resources	
4.3. PK.B Identify natural resources available to people in their daily life	27. Demonstrates knowledge of Earth’s environment
4.4 Agriculture and Society	
A. Food and Fiber Systems	
4.4. PK.A Identify what plants and animals need to grow	25. Demonstrates knowledge of the characteristics of living things

C. Applying Sciences to _____	
4.4. PK.C Recognize that plants and animals grow and change	25. Demonstrates knowledge of the characteristics of living things
D. Technology Influences on _____	
4.4. PK.D Identify basic tools used in gardening at home and at school	27. Demonstrates knowledge of Earth’s environment 28. Uses tools and other technology to perform tasks
4.5 Humans and the Environment	
A. Sustainability	
4.5. PK.A Identify what people need to survive	25. Demonstrates knowledge of the characteristics of living things 30. Shows basic understanding of people and how they live
B. Integrated Pest Management	
4.5. PK.B Identify things in the natural environment that can be harmful to people, pets and other living things	25. Demonstrates knowledge of the characteristics of living things 27. Demonstrates knowledge of Earth’s environment
C. Pollution	
4.5. PK.C Identify ways people pollute the environment	27. Demonstrates knowledge of Earth’s environment
D. Waste	
4.5. PK.D Describe how everyday human activities generate waste	27. Demonstrates knowledge of Earth’s environment 30. Shows basic understanding of people and how they live
15.4 Computer and Information Technology	
A. Influence of Emerging Technologies	
15.4. PK.A Identify various technologies used in the classroom and at home	28. Uses tools and other technology to perform tasks
B. Digital Citizenship	
15.4. PK.B Demonstrate responsible use of technology and equipment	28. Uses tools and other technology to perform tasks

C. Hardware	
15.4. PK.C With prompting and support, identify peripheral devices of computer system including input and output devices	28. Uses tools and other technology to perform tasks
D. Input Technologies	
15.4. PK.D Demonstrate the correct use of simple input technologies (e.g. mouse, touch screen, microphone, etc.)	28. Uses tools and other technology to perform tasks
G. Software / Applications	
15.4. PK.G With help and support, select and use various software / applications for an intended purpose	28. Uses tools and other technology to perform tasks
K. Digital Media	
15.4. PK.K With help and support, identify similarities and differences between text, graphics, audio, animation, and video	28. Uses tools and other technology to perform tasks
L. Technology Research	
15.4. PK.L With help and support, use web browser to locate content-specific websites	28. Uses tools and other technology to perform tasks
M. Emerging Technologies in Careers	
15.4. PK.M With help and support, identify various technologies used in the workplace	28. Uses tools and other technology to perform tasks

Social Studies Thinking	
5.1 Principles and Documents of Government	
A. Rule of Law	
5.1 PK.A State rules and their consequences	1. Regulates own emotions and behaviors 1b. Follows limits and expectations 6. Manages classrooms rules, routines, and transitions with occasional reminders 30. Shows basic understanding of people and how they liv
F. Symbols	
5.1.PK.F Identify basic American symbols (e.g., American Flag)	30. Shows basic understanding of people and how they live
5.2 Rights and Responsibilities of Citizenship	
A. Civics Rights and Responsibilities	
5.2. PK.A Identify self-membership of a group such as the class or family	29. Demonstrates knowledge about self 30. Shows basic understanding of people and how they live
B. Conflict and Resolution	
5.2. PK.B Identify a problem and discuss possible solutions with adult assistance	30. Shows basic understanding of people and how they live
C. Leadership and Public Service	
Emerging to... Identify classroom projects/activities that support leadership and service	29. Demonstrates knowledge about self 30. Shows basic understanding of people and how they live

5.3 How Government Works	
C. Government Services	
5.3. PK.C Identify community workers through their uniforms and equipment	30. Shows basic understanding of people and how they live
F. Conflict and the Court System	
5.3. PK.F Identify appropriate behaviors for responsible classroom citizens	1. Regulates own emotions and behaviors 1b. Follows limits and expectations 6. Manages classrooms rules, routines, and transitions with occasional reminders
6.1 Scarcity and Choice	
A. Scarcity and Choice	
Emerging to... Identify how scarcity influences choice	30. Shows basic understanding of people and how they live
B. Limited _____	
Emerging to... Identify family wants and needs	30. Shows basic understanding of people and how they live
D. Incentives and Choice	
6.1. PK.D Identify a choice based on individual interest	1. Regulates own emotions and behaviors 1c. Takes care of own needs appropriately 6. Takes responsibility for own well-being 29. Demonstrates knowledge about self
6.2 Market and Economic Systems	
C. Advertising and Media	
Emerging to... Identify advertisements that encourage us to buy things	30. Shows basic understanding of people and how they live
D. Price Determination	
6.2. PK.D Explain how money is used	30. Shows basic understanding of people and how they live

6.3 Functions of Government	
D. Government’s Role in International Trade	
6.3. PK.D Identify products produced locally	30. Shows basic understanding of people and how they live
6.5 Income, Profit, and Wealth	
A. Factors Influencing Wages	
. 6.3.5. PK.A Differentiate between work and play	30. Shows basic understanding of people and how they live
C. Types of Business	
6.5. PK.C Identify local businesses	30. Shows basic understanding of people and how they live
7.1 Basic Geographic Literacy	
A. Geographic Tools	
7.1. PK.A Explain how a map is a representation of places	32. Demonstrates simple geographic knowledge
B. Location of Places and Regions	
Emerging to... Describe the location of places in the home, school, and community to gain an understanding of relative location	32. Demonstrates simple geographic knowledge

7.2 Physical Characteristics of Places and Regions	
A. Physical Characteristics	
7.2. PK.A Describe the characteristics of home and frequently visited locations to gain an understanding of physical features	32. Demonstrates simple geographic knowledge
8.1 Historical Analysis and Skills Development	
A. Continuity and Change over Time	
8.1. PK.A Identify a sequence of events through a day	9. Uses language to express thoughts and needs 9d. Tells about another time or place 6. Tells stories about other times and places that have a logical order and that include major details
C. Research	
8.1. PK.C Understand that information comes from many sources such as books, computers, and newspapers	17. Demonstrates knowledge of print and its uses 17a. Uses and appreciates books and other texts 7 emerging to 8. Uses various types of books for their intended purposes

Creative Thinking and Expression	
9.1.M Production and Performance: Music and Movement	
A. Elements and Principles	
9.1.M.PK.A Know and use basic elements and principles of music and movement	34. Explores musical concepts and expression
B. Demonstration	
9.1.M.PK.B Respond to different types of music and dance through participation and discussion	34. Explores musical concepts and expression 35. Explores dance and movement concepts
E. Representation	
9.1.M.PK.E Use imagination and creativity to express self through music and dance	34. Explores musical concepts and expression 35. Explores dance and movement concepts
J. Technologies	
9.1.M.PK.J Use a variety of technologies for producing or performing works of art	33. Explores the visual arts
9.1.D Production and Performance: Dramatic and Performance Play	
B. Demonstrations	
9.1.D.PK.B Recreate a dramatic play experience for an audience	36. Explores drama through actions and language
E. Representation	
9.1.D.PK.E Use imagination and creativity to express self through dramatic play	36. Explores drama through actions and language

9.1.V Production and Performance: Visual Arts	
A. Elements and Principles	
9.1.V.PK.A Know and use basic elements of visual arts	33. Explores the visual arts
B. Demonstration	
9.1.V.PK.B Combine a variety of materials to create a work of art	33. Explores the visual arts
E. Representation	
9.1.V.PK.E Use imagination and creativity to express self through visual arts	33. Explores the visual arts
J. Technologies	
9.1.M.PK.J Use a variety of technologies for producing or performing works of art	33. Explores the visual arts
9.2 Historical and Cultural Context of Works in the Arts	
D. Perspective	
9.2.PK.D Explain that instruments or art forms represent cultural perspectives	33. Explores the visual arts
9.3 Critical Response to Works of Art	
F. Identification	
9.3.PK.F Recognize and name a variety of art forms	33. Explores the visual arts
G. Critical	
9.3.PK.G Formulate and share an opinion about others' art products	33. Explores the visual arts
9.4 Aesthetic Response to Works in the Arts	
B. Emotional Response	
9.4.PK.B Demonstrate an emotional response to viewing or creating various art works	33. Explores the visual arts

Health, Wellness and Physical Development	
10. 1. Concepts of Health	
B. Interaction of Body Systems	
10.1. PK.B Identify and locate body parts	29. Demonstrates knowledge about self
C. Nutrition	
10.1. PK.C Identify foods that keep our body healthy	29. Demonstrates knowledge about self 30. Shows basic understanding of people and how they live
D. Alcohol, Tobacco and Chemical Substances	
10.1.PK.D Identify and discuss the purposes of medicine	30. Shows basic understanding of people and how they live
E. Health Problems and Disease Prevention	
10.1.PK.E Identify and discuss common health problems	29. Demonstrates knowledge about self 30. Shows basic understanding of people and how they live
10. 2. Healthful Living	
A. Health Practices, Products, and Services	
10.2.PK.A Identify fundamental practices for good health	29. Demonstrates knowledge about self 30. Shows basic understanding of people and how they live
E. Health and the Environment	
10.2.PK.E Identify environmental factors that affect health	27. Demonstrates knowledge of Earth’s environment 30. Shows basic understanding of people and how they live

10. 3. Safety and Injury Prevention	
A. Safe and Unsafe Practices	
10.3. PK.A Recognize safe and unsafe practices	<ul style="list-style-type: none"> 1. Regulates own emotions and behaviors 1b. Follows limits and expectations <ul style="list-style-type: none"> 6. Manages classroom rules, routines, and transitions with occasional reminders
B. Emergency Responses	
10.3.PK.B Recognize emergency situations and discuss appropriate responses	<ul style="list-style-type: none"> 1. Regulates own emotions and behaviors 1b. Follows limits and expectations <ul style="list-style-type: none"> 6. Manages classroom rules, routines, and transitions with occasional reminders
10.4 Physical Activity: Gross Motor Coordination	
A. Control and Coordination	
10.4.PK.A Demonstrate coordination of body movements in active play	<ul style="list-style-type: none"> 4. Demonstrates traveling skills <ul style="list-style-type: none"> 6. Moves purposefully from place to place with control 5. Demonstrates balancing skill <ul style="list-style-type: none"> 6. Sustains balance during simple movement experiences
B. Balance and Strength	
10.4.PK.B Exhibit balance while moving on the ground or using equipment	<ul style="list-style-type: none"> 5. Demonstrates balancing skill <ul style="list-style-type: none"> 6. Sustains balance during simple movement experiences

10.5 Concepts, Principles and Strategies of Movement: Fine Motor Development	
A. Strength, Coordination and Muscle Control	
10.5.PK.A Use hands, fingers and wrists to manipulate objects	7. Demonstrates fine-motor strength and coordination 7a. Uses fingers and hands 6. Uses refined wrist and finger movements
B. Eye/Hand Coordination	
10.5.PK.B Coordinate eye and hand movements to perform a task	6. Demonstrates gross-motor manipulative skills 8. Manipulates balls or similar objects with a full range of motion 7. Demonstrates fine-motor strength and coordination 7a. Uses fingers and hands 8. Uses small, precise finger and hand movements
C. Use of Tools	
10.5.PK.C Use tools that require use of fingers, hands, and/or wrists to accomplish a task	7. Demonstrates fine-motor strength and coordination 7a. Uses fingers and hands 8. Uses small, precise finger and hand movements

Social and Emotional Development	
16.1 Self-Awareness and Self-Management	
A. Manages Emotions and Behaviors	
16.1. PK.A Distinguish between emotions and identify socially accepted ways to express them	<ul style="list-style-type: none"> 1. Regulates own emotions and behaviors <ul style="list-style-type: none"> 1a. Manages feelings <ul style="list-style-type: none"> 7 emerging to 8. Controls strong emotions in an appropriate manner most of the time
B. Influences of Personal Traits on Life	
16.1. PK.B Recognize that everyone has personal traits which guide behavior and choices	<ul style="list-style-type: none"> 1. Regulates own emotions and behaviors <ul style="list-style-type: none"> 1a. Manages feelings <ul style="list-style-type: none"> 7 emerging to 8. Controls strong emotions in an appropriate manner most of the time 3. Participates cooperatively and constructively in group situations <ul style="list-style-type: none"> 3a. Balances needs and rights of self and others <ul style="list-style-type: none"> 7 emerging to 8. Cooperates and shares ideas and materials in socially acceptable ways
C. Resiliency	
16.1. PK.C Recognize that everyone makes mistakes and that using positive coping skills can result in learning from the experience	<ul style="list-style-type: none"> 1. Regulates own emotions and behaviors <ul style="list-style-type: none"> 1a. Manages feelings <ul style="list-style-type: none"> 7 emerging to 8. Controls strong emotions in an appropriate manner most of the time 11. Demonstrates positive approaches to learning <ul style="list-style-type: none"> 11b. Persists <ul style="list-style-type: none"> 6. Plans and pursues a variety of appropriately challenging tasks
D. Goal Setting	
16.1. PK.D Establish goals independently and recognize their influence on choices	<ul style="list-style-type: none"> 1. Regulates own emotions and behaviors <ul style="list-style-type: none"> 1c. Takes care of own needs appropriately <ul style="list-style-type: none"> 6. Takes responsibility for own well-being 11. Demonstrates positive approaches to learning <ul style="list-style-type: none"> 11b. Persists <ul style="list-style-type: none"> 6. Plans and pursues a variety of appropriately challenging tasks

16.2 Establishing and Maintaining Relationships	
A. Relationships	
16.2 PK.A Interact with peers and adults in a socially acceptable manner	2. Establishes and sustains positive relationships 2a. Forms relationships with adults 8. Engages with trusted adults as resources and to share mutual interests 2. Establishes and sustains positive relationships 2c. Interacts with peers 6. Initiates, joins in, and sustains positive interactions with a small group of two to three children
B. Diversity	
16.2. PK.B Identify similarities and differences between self and others	3. Participates cooperatively and constructively in group situations 3a. Balances needs and rights of self and others 7 emerging to 8. Cooperates and shares ideas and materials in socially acceptable ways
C. Communication	
16.2. PK.C Engage in reciprocal communication with adults and peers	10. Uses appropriate conversational and other communication skills 10a. Engages in conversations 6. Engages in conversations of at least three exchanges 10. Uses appropriate conversational and other communication skills 10b. Uses social rules of language 6. Uses acceptable language and basic social rules while communicating with others; may need reminders
D. Managing Interpersonal Conflicts	
16.2. PK.D Recognize that conflict occurs and distinguish between appropriate and inappropriate ways to resolve conflict	3. Participates cooperatively and constructively in group situations 3b. Solves social problems 6. Suggests solutions to social problems
E. Support: Asking for Help	
16.2. PK.E Ask for and accept offers of help when needed or appropriate	2. Establishes and sustains positive relationships 2a. Forms relationships with adults 8. Engages with trusted adults as resources and to share mutual interests

16.3 Decision Making and Responsible Behavior	
A. Decision Making Skills	
16.3 PK.A Interpret the consequences of choices	1. Regulates own emotions and behaviors 1b. Follows limits and expectations 7 emerging to 8. Applies basic rules in new but similar situations
B. Understanding Social Norms	
16.3. PK.B Recognize there are socially acceptable ways to behave in different places	1. Regulates own emotions and behaviors 1b. Follows limits and expectations 7 emerging to 8. Applies basic rules in new but similar situations
C. Responsible Active Engagement	
16.3. PK.C Actively engage in assisting others when appropriate	3. Participates cooperatively and constructively in group situations 3a. Balances needs and rights of self and others 7 emerging to 8. Cooperates and shares ideas and materials in socially acceptable ways