

Alignment of the 2014 Pennsylvania Pre-Kindergarten Learning Standards With HighScope's Preschool Key Developmental Indicators

The following chart shows how items from the 2014 **Pennsylvania Pre-Kindergarten Learning Standards** to items from HighScope's Preschool **Key Developmental Indicators (KDIs)** (March 2010).

The educational content of HighScope preschool programs is built around **58 Key Developmental Indicators (KDIs)**. The KDIs are early childhood milestones that guide teachers as they plan and assess learning experiences and interact with children to support learning. Each KDI is a statement that identifies an observable child behavior reflecting knowledge and skills in the areas of approaches to learning; social and emotional development; physical development and health; language, literacy, and communication; mathematics; creative arts; science and technology; and social studies.



Pennsylvania Pre-Kindergarten Learning Standards

Key Developmental Indicators (KDIs)

Approaches to Learning	
AL.1 Constructing and Gathering Knowledge	
A. Curiosity and Initiative	
<p>AL.1.PK.A Explore and ask questions to seek meaningful information about a growing range of topics, ideas and tasks.</p>	<p>A. Approaches to Learning</p> <ol style="list-style-type: none"> 1. Initiative: Children demonstrate initiative as they explore their world. 3. Engagement: Children focus on activities that interest them. 5. Use of resources: Children gather information and formulate ideas about their world. <p>B. Social and Emotional Development</p> <ol style="list-style-type: none"> 12. Building relationships: Children build relationships with other children and adults. 13. Cooperative play: Children engage in cooperative play. <p>G. Science and Technology</p> <ol style="list-style-type: none"> 45. Observing: Children observe the materials and processes in their environment. 47. Experimenting: Children experiment to test their ideas. 51. Natural and physical world: Children gather knowledge about the natural and physical world. 52. Tools and technology: Children explore and use tools and technology.
B. Risk Taking	
<p>AL.1. PK.B Demonstrate a willingness to participate in new and challenging experiences.</p>	<p>A. Approaches to Learning</p> <ol style="list-style-type: none"> 1. Initiative: Children demonstrate initiative as they explore their world. 3. Engagement: Children focus on activities that interest them. 4. Problem solving: Children solve problems encountered in play. 5. Use of resources: Children gather information and formulate ideas about their world. <p>G. Science and Technology</p> <ol style="list-style-type: none"> 45. Observing: Children observe the materials and processes in their environment. 47. Experimenting: Children experiment to test their ideas.

Pennsylvania Pre-Kindergarten Learning Standards

Key Developmental Indicators (KDIs)

Approaches to Learning CONT	
AL.1 Constructing and Gathering Knowledge, CONT	
C. Stages of Play	
<p>AL.1.PK.C Engage in complex play sequences with two or more children.</p>	<p>A. Approaches to Learning 3. Engagement: Children focus on activities that interest them. B. Social and Emotional Development 13. Cooperative play: Children engage in cooperative play. 14. Moral development: Children develop an internal sense of right and wrong. G. Science and Technology 43. Pretend play: Children express and represent what they observe, think, imagine, and feel through pretend play.</p>
AL.2 Organizing and Understanding Information	
A. Engagement and Attention	
<p>AL.2. PK.A Work toward completing a task, even if challenging, and despite interruptions.</p>	<p>A. Approaches to Learning 1. Initiative: Children demonstrate initiative as they explore their world. 3. Engagement: Children focus on activities that interest them. 4. Problem solving: Children solve problems encountered in play.</p>
B. Task Analysis	
<p>AL.2. PK.B Independently break simple tasks into steps and complete them one at a time.</p>	<p>A. Approaches to Learning 2. Planning: Children make plans and follow through on their intentions. 6. Reflection: Children reflect on their experiences. B. Social and Emotional Development 11. Community: Children participate in the community of the classroom. D. Language, Literacy, and Communication 21. Comprehension: Children understand language.</p>

Pennsylvania Pre-Kindergarten Learning Standards

Key Developmental Indicators (KDIs)

Approaches to Learning CONT	
AL.2 Organizing and Understanding Information, CONT	
C. Persistence	
<p>AL.2. PK.C Attempt to accomplish challenging tasks by employing familiar and new strategies as needed.</p>	<p>A. Approaches to Learning 1. Initiative: Children demonstrate initiative as they explore their world. 4. Problem solving: Children solve problems encountered in play. G. Science and Technology 47. Experimenting: Children experiment to test their ideas.</p>
D. Patterning	
<p>AL.2.PK.D Recognize and extend simple patterns.</p>	<p>E. Mathematics 38. Patterns: Children identify, describe, copy, complete, and create patterns.</p>
E. Memory	
<p>AL. 2.PK.E Retain and recall information presented over a short period of time.</p>	<p>A. Approaches to Learning 6. Reflection: Children reflect on their experiences. D. Language, Literacy, and Communication 21. Comprehension: Children understand language. 28. Book knowledge: Children demonstrate knowledge about books. H. Social Studies 57. History: Children understand past, present, and future.</p>
AL.3 Applying Knowledge	
A. Creativity	
<p>AL.3.PK.A Use music, art and/or stories to express ideas, thoughts, and feelings.</p>	<p>F. Creative Arts 40. Art: Children express and represent what they observe, think, imagine, and feel through two- and three-dimensional art. 41. Music: Children express and represent what they observe, think, imagine, and feel through music. 42. Movement: Children express and represent what they observe, think, imagine, and feel through movement. 43. Pretend play: Children express and represent what they observe, think, imagine, and feel through pretend play.</p>

Pennsylvania Pre-Kindergarten Learning Standards

Key Developmental Indicators (KDIs)

Approaches to Learning CONT	
AL.3 Applying Knowledge, CONT	
B. Invention	
<p>AL.3. PK.C Produce and explain the purpose for a new creation.</p>	<p>F. Creative Arts 40. Art: Children express and represent what they observe, think, imagine, and feel through two- and three-dimensional art. 41. Music: Children express and represent what they observe, think, imagine, and feel through music. 42. Movement: Children express and represent what they observe, think, imagine, and feel through movement. 43. Pretend play: Children express and represent what they observe, think, imagine, and feel through pretend play.</p>
Language and Literacy Development	
C. Representation	
<p>AL.3.PK.B Use materials and objects to represent new concepts.</p>	<p>F. Creative Arts 43. Pretend play: Children express and represent what they observe, think, imagine, and feel through pretend play.</p>
AL.4 Learning Through Experience	
A. Making Connections	
<p>AL.4.PK.A Relate knowledge learned from one experience to a similar experience in a new setting.</p>	<p>H. Social Studies 53. Diversity: Children understand that people have diverse characteristics, interests, and abilities. 54. Community roles: Children recognize that people have different roles and functions in the community.</p>
B. Resiliency	
<p>AL4.PK.B Recognize that everyone makes mistakes and that using positive coping skills can result in learning from the experience.</p>	<p>A. Approaches to Learning 4. Problem solving: Children solve problems encountered in play. B. Social and Emotional Development 8. Sense of competence: Children feel they are competent. 9. Emotions: Children recognize, label, and regulate their feelings. 10. Empathy: Children demonstrate empathy toward others.</p>

Pennsylvania Pre-Kindergarten Learning Standards

Key Developmental Indicators (KDIs)

Language and Literacy Development, CONT	
A. Making Connections, CONT	
C. Problem Solving	
AL.4. PK.C Attempt problem solving activities to achieve a positive outcome.	A. Approaches to Learning 4. Problem solving: Children solve problems encountered in play. 6. Reflection: Children reflect on their experiences. B. Social and Emotional Development 8. Sense of competence: Children feel they are competent. G. Science and Technology 47. Experimenting: Children experiment to test their ideas.
1.1 Foundational Skills	
A. Book Handling	
1.1 PK.A Practice appropriate book handling skills.	D. Language, Literacy, and Communication 27. Concepts about print: Children demonstrate knowledge about environmental print. 28. Book knowledge: Children demonstrate knowledge about books.
B. Print Concepts	
1.1 PK.B Identify basic features of print.	D. Language, Literacy, and Communication 25. Alphabetic knowledge: Children identify letter names and their sounds. E. Mathematics 31. Number words and symbols: Children recognize and use number words and symbols.
C. Phonological Awareness	
1.1 PK.C Demonstrate understanding of spoken words, syllables, and sounds (phonemes).	D. Language, Literacy, and Communication 24. Phonological awareness: Children identify distinct sounds in spoken language. 25. Alphabetic knowledge: Children identify letter names and their sounds.

Pennsylvania Pre-Kindergarten Learning Standards

Key Developmental Indicators (KDIs)

Language and Literacy Development, CONT	
1.1 Foundational Skills, CONT	
D. Phonics and Word	
1.1. PK.D Develop beginning phonics and word skills.	D. Language, Literacy, and Communication 25. Alphabetic knowledge: Children identify letter names and their sounds. 26. Reading: Children read for pleasure and information.
E. Fluency	
Emerging to... Read emergent reader text with purpose and understanding.	D. Language, Literacy, and Communication 24. Phonological awareness: Children identify distinct sounds in spoken language. 25. Alphabetic knowledge: Children identify letter names and their sounds. 26. Reading: Children read for pleasure and information.
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.	D. Language, Literacy, and Communication 21. Comprehension: Children understand language. 26. Reading: Children read for pleasure and information.
B. Key Ideas and Details: Text Analysis	
1.2 PK.B Answer questions about a text.	D. Language, Literacy, and Communication 21. Comprehension: Children understand language. 26. Reading: Children read for pleasure and information.
C. Key Ideas and Details	
1.2 PK.C With prompting and support, make connections between information in a text and personal experience.	D. Language, Literacy, and Communication 21. Comprehension: Children understand language. 26. Reading: Children read for pleasure and information.
E. Craft and Structure: Text Structure	
1.2 PK.E Identify the front cover, back cover and title page of a book.	D. Language, Literacy, and Communication 28. Book knowledge: Children demonstrate knowledge about books.

Pennsylvania Pre-Kindergarten Learning Standards

Key Developmental Indicators (KDIs)

Language and Literacy Development, CONT	
1.2 Reading Informational Text, CONT	
F. Craft and Structure: Vocabulary	
1.2 PK.F With prompting and support, answer questions about unfamiliar words read aloud from a text.	D. Language, Literacy, and Communication 21. Comprehension: Children understand language. 23. Vocabulary: Children understand and use a variety of words and phrases.
G. Integration of Knowledge and Ideas – Diverse Media	
1.2 PK.G With prompting and support, answer questions to connect illustrations to the written word.	D. Language, Literacy, and Communication 21. Comprehension: Children understand language. 26. Reading: Children read for pleasure and information.
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.	D. Language, Literacy, and Communication 21. Comprehension: Children understand language. 26. Reading: Children read for pleasure and information.
J. Vocabulary Acquisition and Use	
1.2 PK.J Use new vocabulary and phrases acquired in conversations and being read to.	D. Language, Literacy, and Communication 21. Comprehension: Children understand language. 23. Vocabulary: Children understand and use a variety of words and phrases.
K. Vocabulary Acquisition and Use	
1.2 PK.K With prompting and support, clarify unknown words or phrases read aloud.	D. Language, Literacy, and Communication 21. Comprehension: Children understand language. 23. Vocabulary: Children understand and use a variety of words and phrases.
L. Range of Reading	
1.2 PK.L With prompting and support, actively engage in group reading activities with purpose and understanding.	D. Language, Literacy, and Communication 21. Comprehension: Children understand language. 26. Reading: Children read for pleasure and information.

Pennsylvania Pre-Kindergarten Learning Standards

Key Developmental Indicators (KDIs)

Language and Literacy Development, CONT	
L. Range of Reading, CONT	
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.	D. Language, Literacy, and Communication 21. Comprehension: Children understand language. 26. Reading: Children read for pleasure and information.
B. Key Ideas and Details: Text Analysis	
1.3. PK.B Answer questions about a particular story (who, what, how, when, and where).	D. Language, Literacy, and Communication 21. Comprehension: Children understand language. 26. Reading: Children read for pleasure and information.
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.	D. Language, Literacy, and Communication 21. Comprehension: Children understand language. 26. Reading: Children read for pleasure and information.
D. Craft and Structure: Point of View	
1.3. PK.D With prompting and support, name the author and illustrator of a story.	D. Language, Literacy, and Communication 28. Book knowledge: Children demonstrate knowledge about books.
E. Craft and Structure: Text Structure	
1.3. PK.E With prompting and support, recognize common types of text.	D. Language, Literacy, and Communication 26. Reading: Children read for pleasure and information.
F. Craft and Structure Vocabulary	
1.3. PK.F Answer questions about unfamiliar words read aloud from a story.	D. Language, Literacy, and Communication 21. Comprehension: Children understand language. 23. Vocabulary: Children understand and use a variety of words and phrases.
G. Integration of Knowledge and Ideas Sources	
1.3.PK.G Describe pictures in books using detail.	D. Language, Literacy, and Communication 23. Vocabulary: Children understand and use a variety of words and phrases.

Pennsylvania Pre-Kindergarten Learning Standards

Key Developmental Indicators (KDIs)

Language and Literacy Development, CONT	
1.3 Reading Literature, CONT	
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.	D. Language, Literacy, and Communication 21. Comprehension: Children understand language. 26. Reading: Children read for pleasure and information.
I. Vocabulary Acquisition & Use Strategies	
1.3. PK.I With prompting and support, clarify unknown words or phrases read aloud.	D. Language, Literacy, and Communication 23. Vocabulary: Children understand and use a variety of words and phrases.
J. Vocabulary Acquisition and Use	
1.3. PK.J Use new vocabulary and phrases acquired in conversations and being read to.	D. Language, Literacy, and Communication 23. Vocabulary: Children understand and use a variety of words and phrases.
K. Range of Reading	
1.3. PK.K With prompting and support, actively engage in group reading activities with purpose and understanding.	D. Language, Literacy, and Communication 21. Comprehension: Children understand language. 26. Reading: Children read for pleasure and information.
1.4 Writing	
A. Informative/ Explanatory	
1.4. PK.A Draw/dictate to compose informative /explanatory texts examining a topic.	D. Language, Literacy, and Communication 21. Comprehension: Children understand language. 29. Writing: Children write for many different purposes. F. Creative Arts 40. Art: Children express and represent what they observe, think, imagine, and feel through two- and three-dimensional art.

Pennsylvania Pre-Kindergarten Learning Standards

Key Developmental Indicators (KDIs)

<i>Language and Literacy Development, CONT</i>	
1.4 Writing, CONT	
B. Informative / Explanatory Focus	
<p>1.4. PK.B With prompting and support, draw/dictate about one specific topic.</p>	<p>D. Language, Literacy, and Communication 21. Comprehension: Children understand language. 22. Speaking: Children express themselves using language. 29. Writing: Children write for many different purposes.</p> <p>F. Creative Arts 40. Art: Children express and represent what they observe, think, imagine, and feel through two- and three-dimensional art.</p>
C. Informative / Explanatory Organization	
<p>1.4. PK.C With prompting and support, generate ideas to convey information.</p>	<p>D. Language, Literacy, and Communication 21. Comprehension: Children understand language.</p>
D. Informative/ Explanatory Organization	
<p>1.4.PK.D With prompting and support, make logical connections between drawing and dictation.</p>	<p>D. Language, Literacy, and Communication 22. Speaking: Children express themselves using language. 27. Concepts about print: Children demonstrate knowledge about environmental print.</p>
F. Informative / Explanatory Conventions of	
<p>Emerging to... Spell simple words phonetically.</p>	<p>D. Language, Literacy, and Communication 25. Alphabetic knowledge: Children identify letter names and their sounds. 29. Writing: Children write for many different purposes.</p>
M. Narrative	
<p>1.4. PK.M Dictate narratives to describe real or imagined experiences or events.</p>	<p>D. Language, Literacy, and Communication 21. Comprehension: Children understand language. 22. Speaking: Children express themselves using language. 29. Writing: Children write for many different purposes.</p> <p>F. Creative Arts 40. Art: Children express and represent what they observe, think, imagine, and feel through two- and three-dimensional art.</p>

Pennsylvania Pre-Kindergarten Learning Standards

Key Developmental Indicators (KDIs)

Language and Literacy Development, CONT	
1.4 Writing, CONT	
N. Narrative: Focus	
1.4. PK.N Establish “who” and “what” the narrative will be about.	D. Language, Literacy, and Communication 21. Comprehension: Children understand language.
O. Narrative Content	
1.4. PK.O With prompting and support, describe experiences and events.	D. Language, Literacy, and Communication 21. Comprehension: Children understand language. 22. Speaking: Children express themselves using language. 23. Vocabulary: Children understand and use a variety of words and phrases.
P. Narrative Organization	
1.4. PK.P Recount a single event and tell about the events in the order in which they occurred.	D. Language, Literacy, and Communication 21. Comprehension: Children understand language.
R. Narrative Conventions of Language	
Emerging to... Spell simple words phonetically.	D. Language, Literacy, and Communication 25. Alphabetic knowledge: Children identify letter names and their sounds.
T. Production and Distribution of Writing: Writing Process	
1.4. PK.T With guidance and support from adults and peers, respond to questions and suggestions, add details as needed.	D. Language, Literacy, and Communication 21. Comprehension: Children understand language. 22. Speaking: Children express themselves using language. 26. Reading: Children read for pleasure and information.
(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	A. Approaches to Learning 5. Use of resources: Children gather information and formulate ideas about their world. D. Language, Literacy, and Communication 21. Comprehension: Children understand language.

Pennsylvania Pre-Kindergarten Learning Standards

Key Developmental Indicators (KDIs)

Language and Literacy Development, CONT	
1.4 Writing, CONT	
W. Credibility, Reliability, and Validity of Sources	
1.4. PK.W With guidance and support, recall information from experiences or books.	A. Approaches to Learning 6. Reflection: Children reflect on their experiences. D. Language, Literacy, and Communication 21. Comprehension: Children understand language. 26. Reading: Children read for pleasure and information.
X. Range of Writing	
Emerging to... Write routinely over short time frames.	D. Language, Literacy, and Communication 29. Writing: Children write for many different purposes.
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.	B. Social and Emotional Development 12. Building relationships: Children build relationships with other children and adults. D. Language, Literacy, and Communication 22. Speaking: Children express themselves using language. 23. Vocabulary: Children understand and use a variety of words and phrases.
B. Comprehension and Collaboration Critical Listening	
1.5. PK.B Answer questions about key details in a text read aloud or information presented orally or through other media.	D. Language, Literacy, and Communication 21. Comprehension: Children understand language. 22. Speaking: Children express themselves using language.
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.	D. Language, Literacy, and Communication 21. Comprehension: Children understand language.

Pennsylvania Pre-Kindergarten Learning Standards

Key Developmental Indicators (KDIs)

Language and Literacy Development, CONT	
1.5 Speaking and Listening, CONT	
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.	D. Language, Literacy, and Communication 21. Comprehension: Children understand language. 22. Speaking: Children express themselves using language. 23. Vocabulary: Children understand and use a variety of words and phrases.
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.	D. Language, Literacy, and Communication 21. Comprehension: Children understand language. 22. Speaking: Children express themselves using language. 23. Vocabulary: Children understand and use a variety of words and phrases.
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.	D. Language, Literacy, and Communication 21. Comprehension: Children understand language. 22. Speaking: Children express themselves using language.
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.	E. mathematics 31. Number words and symbols: Children recognize and use number words and symbols. 32. Counting: Children count things.
2.1 PK.A.2 Count to tell the number of objects.	E. mathematics 31. Number words and symbols: Children recognize and use number words and symbols. 32. Counting: Children count things.

Pennsylvania Pre-Kindergarten Learning Standards

Key Developmental Indicators (KDIs)

Mathematical Thinking and Expression, CONT	
2.1 Numbers and Operations, CONT	
A. Counting and Cardinality, CONT	
2.1 PK.A.3 Compare numbers.	E. mathematics 32. Counting: Children count things. 33. Part-whole relationships: Children combine and separate quantities of objects. 39. Data analysis: Children use information about quantity to draw conclusions, make decisions, and solve problems.
2.1.PK.MP Use mathematical processes when quantifying, comparing, representing, and modeling numbers.	E. mathematics 31. Number words and symbols: Children recognize and use number words and symbols. 32. Counting: Children count things. 39. Data analysis: Children use information about quantity to draw conclusions, make decisions, and solve problems.
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.	E. mathematics 33. Part-whole relationships: Children combine and separate quantities of objects.
2.2. PK.MP Use mathematical processes when representing relationships.	E. mathematics 39. Data analysis: Children use information about quantity to draw conclusions, make decisions, and solve problems.
2.3 Geometry	
A. Geometry	
2.3. PK.A.1 Identify and describe shapes.	E. mathematics 34. Shapes: Children identify, name, and describe shapes.
2.3. PK.A.2 Analyze, compare, create, and compose shapes.	E. mathematics 34. Shapes: Children identify, name, and describe shapes.

Pennsylvania Pre-Kindergarten Learning Standards

Key Developmental Indicators (KDIs)

Mathematical Thinking and Expression, CONT	
2.3 Geometry. CONT	
A. Geometry, CONT	
2.3.PK.MP Use mathematical processes when drawing, constructing, modeling, and representing shapes.	E. mathematics 34. Shapes: Children identify, name, and describe shapes.
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.	E. mathematics 36. Measuring: Children measure to describe, compare, and order things. 37. Unit: Children understand and use the concept of unit. G. Science and Technology 46. Classifying: Children classify materials, actions, people, and events.
2.4 PK.A.2 Classify objects and count the number of objects in each category.	E. mathematics 32. Counting: Children count things. 39. Data analysis: Children use information about quantity to draw conclusions, make decisions, and solve problems. G. Science and Technology 46. Classifying: Children classify materials, actions, people, and events.
2.4.PK.MP Use mathematical processes when measuring; representing, organizing, and understanding data.	E. mathematics 36. Measuring: Children measure to describe, compare, and order things. 37. Unit: Children understand and use the concept of unit. 39. Data analysis: Children use information about quantity to draw conclusions, make decisions, and solve problems.

Pennsylvania Pre-Kindergarten Learning Standards

Key Developmental Indicators (KDIs)

Mathematical Thinking and Expression, CONT	
3.1 Biological Sciences	
1. Common Characteristics of Life	
3.1 PK.A.1 Recognize the difference between living and non-living things.	G. Science and Technology 46. Classifying: Children classify materials, actions, people, and events. 51. Natural and physical world: Children gather knowledge about the natural and physical world.
2. Energy Flow	
3.1. PK.A.2 Identify basic needs of plants (water and light) and animals (food, water and light).	G. Science and Technology 46. Classifying: Children classify materials, actions, people, and events. 51. Natural and physical world: Children gather knowledge about the natural and physical world.
3. Life Cycles	
3.1. PK.A.3 Recognize that plants and animals grow and change.	G. Science and Technology 51. Natural and physical world: Children gather knowledge about the natural and physical world.
5. Form and Function	
3.1. PK.A.5 Name basic parts of living things.	G. Science and Technology 45. Observing: Children observe the materials and processes in their environment. 51. Natural and physical world: Children gather knowledge about the natural and physical world.
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.	G. Science and Technology 45. Observing: Children observe the materials and processes in their environment. 47. Experimenting: Children experiment to test their ideas. 48. Predicting: Children predict what they expect will happen.

Pennsylvania Pre-Kindergarten Learning Standards

Key Developmental Indicators (KDIs)

Scientific Thinking and Technology CONT	
3.1 Biological Sciences, CONT	
B. Genetics	
1. Heredity	
<p>3.1. PK.B.1 Recognize and compare physical characteristics of living things from same species.</p>	<p>G. Science and Technology 45. Observing: Children observe the materials and processes in their environment. 46. Classifying: Children classify materials, actions, people, and events. 51. Natural and physical world: Children gather knowledge about the natural and physical world.</p> <p>H. Social Studies 53. Diversity: Children understand that people have diverse characteristics, interests, and abilities.</p>
6. Science as Inquiry	
<p>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.</p>	<p>G. Science and Technology 45. Observing: Children observe the materials and processes in their environment. 48. Predicting: Children predict what they expect will happen. 49. Drawing conclusions: Children draw conclusions based on their experiences and observations. 50. Communicating ideas: Children communicate their ideas about the characteristics of things and how they work.</p>
C. Evolution	
3. Unifying Themes	
<p>3.1. PK.C.3 Describe changes that occur in animals.</p>	<p>G. Science and Technology 51. Natural and physical world: Children gather knowledge about the natural and physical world.</p>

Pennsylvania Pre-Kindergarten Learning Standards

Key Developmental Indicators (KDIs)

<i>Scientific Thinking and Technology CONT</i>	
3.1 Biological Sciences, CONT	
C. Evolution, CONT	
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.	G. Science and Technology 45. Observing: Children observe the materials and processes in their environment. 47. Experimenting: Children experiment to test their ideas. 48. Predicting: Children predict what they expect will happen. 51. Natural and physical world: Children gather knowledge about the natural and physical world.
3.2 Physical Sciences	
1. Properties of Matter	
3.2. PK.A.1 Sort and describe objects according to size, shape, color and texture.	G. Science and Technology 45. Observing: Children observe the materials and processes in their environment. 46. Classifying: Children classify materials, actions, people, and events. 51. Natural and physical world: Children gather knowledge about the natural and physical world.
3. Matter and Energy	
3.2. PK.A.3 Notice change in matter.	G. Science and Technology 45. Observing: Children observe the materials and processes in their environment. 51. Natural and physical world: Children gather knowledge about the natural and physical world.
5. Unifying Themes	
3.2. PK.A.5 Recognize that everything is made of matter.	G. Science and Technology 45. Observing: Children observe the materials and processes in their environment. 51. Natural and physical world: Children gather knowledge about the natural and physical world.

Pennsylvania Pre-Kindergarten Learning Standards

Key Developmental Indicators (KDIs)

Scientific Thinking and Technology CONT	
3.2 Physical Sciences, CONT	
6. Science as Inquiry	
3.2. PK.A.6 Participate in simple investigations of matter to answer a question or to test a prediction.	G. Science and Technology 45. Observing: Children observe the materials and processes in their environment. 47. Experimenting: Children experiment to test their ideas. 48. Predicting: Children predict what they expect will happen.
B. Physics	
1. Force & Motion of Practices & Rigid Bodies	
3.2. PK.B.1 Explore and describe the motion of toys and objects.	G. Science and Technology 47. Experimenting: Children experiment to test their ideas.
5. Nature of Waves (Sound and Light Energy)	
3.2. PK.B.5 Create and describe variations of sound.	G. Science and Technology 41. Music: Children express and represent what they observe, think, imagine, and feel through music. 45. Observing: Children observe the materials and processes in their environment. 46. Classifying: Children classify materials, actions, people, and events.
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.	G. Science and Technology 51. Natural and physical world: Children gather knowledge about the natural and physical world.
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.	G. Science and Technology 45. Observing: Children observe the materials and processes in their environment. 47. Experimenting: Children experiment to test their ideas. 49. Drawing conclusions: Children draw conclusions based on their experiences and observations. 50. Communicating ideas: Children communicate their ideas about the characteristics of things and how they work.

Pennsylvania Pre-Kindergarten Learning Standards

Key Developmental Indicators (KDIs)

Scientific Thinking and Technology CONT	
3.3 Earth and Space Sciences	
1. Earth Features and the Processes that Change it	
3.3. PK.A.1 Sort different types of earth materials.	G. Science and Technology 45. Observing: Children observe the materials and processes in their environment. 51. Natural and physical world: Children gather knowledge about the natural and physical world.
4. Water	
3.3. PK.A.4 Identify a variety of uses for water.	G. Science and Technology 51. Natural and physical world: Children gather knowledge about the natural and physical world.
5. Weather and Climate	
3.3. PK.A.5 Identify seasons that correspond with observable conditions and identify how weather affects daily life.	G. Science and Technology 45. Observing: Children observe the materials and processes in their environment. 46. Classifying: Children classify materials, actions, people, and events. 51. Natural and physical world: Children gather knowledge about the natural and physical world.
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.	G. Science and Technology 45. Observing: Children observe the materials and processes in their environment. 47. Experimenting: Children experiment to test their ideas. 48. Predicting: Children predict what they expect will happen. 49. Drawing conclusions: Children draw conclusions based on their experiences and observations. 50. Communicating ideas: Children communicate their ideas about the characteristics of things and how they work. 51. Natural and physical world: Children gather knowledge about the natural and physical world.

Pennsylvania Pre-Kindergarten Learning Standards

Key Developmental Indicators (KDIs)

Scientific Thinking and Technology CONT	
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.	G. Science and Technology 51. Natural and physical world: Children gather knowledge about the natural and physical world.
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.	G. Science and Technology 45. Observing: Children observe the materials and processes in their environment. 50. Communicating ideas: Children communicate their ideas about the characteristics of things and how they work. 51. Natural and physical world: Children gather knowledge about the natural and physical world.
Environment and Ecology	
A. The Environment	
4.1 PK.A Identify living and non-living things in the immediate and surrounding environment.	G. Science and Technology 46. Classifying: Children classify materials, actions, people, and events. 51. Natural and physical world: Children gather knowledge about the natural and physical world.
C. Energy Flow	
4.1. PK.C Identify that plants need the sun to grow.	G. Science and Technology 47. Experimenting: Children experiment to test their ideas. 51. Natural and physical world: Children gather knowledge about the natural and physical world.
D. Biodiversity	
4.1. PK.D Identify basic needs of living things.	G. Science and Technology 51. Natural and physical world: Children gather knowledge about the natural and physical world.

Pennsylvania Pre-Kindergarten Learning Standards

Key Developmental Indicators (KDIs)

Scientific Thinking and Technology CONT	
Environment and Ecology, CONT	
E. Succession	
4.1. PK.E Identify the change of seasons in the environment.	G. Science and Technology 46. Classifying: Children classify materials, actions, people, and events. 51. Natural and physical world: Children gather knowledge about the natural and physical world.
4.2 Watersheds and Wetlands	
A. Watersheds	
4.2. PK.A Identify various types of moving water in Pennsylvania.	G. Science and Technology 51. Natural and physical world: Children gather knowledge about the natural and physical world.
B. Wetlands	
4.2. PK.B Identify a wetland as an ecosystem in Pennsylvania.	G. Science and Technology 51. Natural and physical world: Children gather knowledge about the natural and physical world.
C. Aquatic Ecosystem	
4.2. PK.C Describe an aquatic (water) and terrestrial (land) habitat.	G. Science and Technology 46. Classifying: Children classify materials, actions, people, and events. 51. Natural and physical world: Children gather knowledge about the natural and physical world.
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.	H. Social Studies 58. Ecology: Children understand the importance of taking care of their environment.

Pennsylvania Pre-Kindergarten Learning Standards

Key Developmental Indicators (KDIs)

Scientific Thinking and Technology CONT	
4.3 Natural Resources, CONT	
B. Availability of Natural	
4.3. PK.B Identify natural resources available to people in their daily life.	H. Social Studies 58. Ecology: Children understand the importance of taking care of their environment.
4.4 Agriculture and Society	
A. Food and Fiber Systems	
4.4. PK.A Identify what plants and animals need to grow.	G. Science and Technology 51. Natural and physical world: Children gather knowledge about the natural and physical world.
C. Applying Sciences to	
4.4. PK.C Recognize that plants and animals grow and change.	G. Science and Technology 51. Natural and physical world: Children gather knowledge about the natural and physical world.
D. Technology Influences on	
4.4. PK.D Identify basic tools used in gardening at home and at school.	G. Science and Technology 51. Natural and physical world: Children gather knowledge about the natural and physical world. H. Social Studies 58. Ecology: Children understand the importance of taking care of their environment.
4.5 Humans and the Environment	
A. Sustainability	
4.5. PK.A Identify what people need to survive.	G. Science and Technology 51. Natural and physical world: Children gather knowledge about the natural and physical world.

Pennsylvania Pre-Kindergarten Learning Standards

Key Developmental Indicators (KDIs)

Scientific Thinking and Technology CONT	
4.5 Humans and the Environment, CONT	
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.	C. Physical Development and Health 20. Healthy behavior: Children engage in healthy practices. G. Science and Technology 51. Natural and physical world: Children gather knowledge about the natural and physical world.
C. Pollution	
4.5. PK.C Identify ways people pollute the environment.	H. Social Studies 58. Ecology: Children understand the importance of taking care of their environment.
D. Waste	
4.5. PK.D Describe how everyday human activities generate waste.	H. Social Studies 58. Ecology: Children understand the importance of taking care of their environment.
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.	G. Science and Technology 52. Tools and technology: Children explore and use tools and technology.
B. Digital Citizenship	
15.4. PK.B Demonstrate responsible use of technology and equipment.	G. Science and Technology 52. Tools and technology: Children explore and use tools and technology.
C. Hardware	
15.4. PK.C With prompting and support, identify peripheral devices of computer system including input and output devices.	G. Science and Technology 52. Tools and technology: Children explore and use tools and technology.

Pennsylvania Pre-Kindergarten Learning Standards

Key Developmental Indicators (KDIs)

Scientific Thinking and Technology CONT	
15.4 Computer and Information Technology, CONT	
D. Input Technologies	
15.4. PK.D Demonstrate the correct use of simple input technologies (e.g. mouse, touch screen, microphone, etc.).	G. Science and Technology 52. Tools and technology: Children explore and use tools and technology.
G. Software / Applications	
15.4. PK.G With help and support, select and use various software / applications for an intended purpose.	G. Science and Technology 52. Tools and technology: Children explore and use tools and technology.
K. Digital Media	
15.4. PK.K With help and support, identify similarities and differences between text, graphics, audio, animation, and video.	G. Science and Technology 52. Tools and technology: Children explore and use tools and technology.
L. Technology Research	
15.4. PK.L With help and support, use web browser to locate content-specific websites.	G. Science and Technology 52. Tools and technology: Children explore and use tools and technology.
M. Emerging Technologies in Careers	
15.4. PK.M With help and support, identify various technologies used in the workplace.	G. Science and Technology 52. Tools and technology: Children explore and use tools and technology.
Social Studies Thinking	
5. Civics and Government	
5.1 Principles and Documents of Government	
A. Rule of Law	
5.1 PK.A State rules and their consequences.	B. Social and Emotional Development 14. Moral development: Children develop an internal sense of right and wrong. H. Social Studies 55. Decision making: Children participate in making classroom decisions.

Pennsylvania Pre-Kindergarten Learning Standards

Key Developmental Indicators (KDIs)

Social Studies Thinking, CONT	
5. Civics and Government, CONT	
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.	B. Social and Emotional Development 11. Community: Children participate in the community of the classroom. 13. Cooperative play: Children engage in cooperative play. H. Social Studies 55. Decision making: Children participate in making classroom decisions.
B. Conflict and Resolution	
5.2. PK.B Identify a problem and discuss possible solutions with adult assistance. <i>*see also 16.2. PK.D</i>	B. Social and Emotional Development 15. Conflict resolution: Children resolve social conflicts.
C. Leadership and Public Service	
<i>Emerging to...</i> Identify classroom projects/activities that support leadership and service.	A. Approaches to Learning 1. Initiative: Children demonstrate initiative as they explore their world. B. Social and Emotional Development 8. Sense of competence: Children feel they are competent. 11. Community: Children participate in the community of the classroom.
5.3 How Government Works	
C. Government Services	
5.3. PK.C Identify community workers through their uniforms and equipment.	H. Social Studies 54. Community roles: Children recognize that people have different roles and functions in the community.

Pennsylvania Pre-Kindergarten Learning Standards

Key Developmental Indicators (KDIs)

Social Studies Thinking CONT	
5.3 How Government Works, CONT	
F. Conflict and the Court System	
5.3. PK.F Identify appropriate behaviors for responsible classroom citizens.	B. Social and Emotional Development 10. Empathy: Children demonstrate empathy toward others. 11. Community: Children participate in the community of the classroom. 14. Moral development: Children develop an internal sense of right and wrong.
6. Economics	
6.1 Scarcity and Choice	
A. Scarcity and Choice	
<i>Emerging to...</i> Identify how scarcity influences choice.	H. Social Studies 58. Ecology: Children understand the importance of taking care of their environment.
B. Limited	
<i>Emerging to...</i> Identify family wants and needs.	H. Social Studies 53. Diversity: Children understand that people have diverse characteristics, interests, and abilities.
D. Incentives and Choice	
6.1. PK.D Identify a choice based on individual interest.	A. Approaches to Learning 1. Initiative: Children demonstrate initiative as they explore their world. 2. Planning: Children make plans and follow through on their intentions.
6.2 Market and Economic Systems	
C. Advertising and Media	
<i>Emerging to...</i> Identify advertisements that encourage us to buy things.	D. Language, Literacy, and Communication 26. Reading: Children read for pleasure and information.

Pennsylvania Pre-Kindergarten Learning Standards

Key Developmental Indicators (KDIs)

Social Studies Thinking CONT	
6.2 Market and Economic Systems, CONT	
D. Price Determination	
6.2. PK.D Explain how money is used.	H. Social Studies 54. Community roles: Children recognize that people have different roles and functions in the community.
D. Government’s Role in International Trade	
6.3. PK.D Identify products produced locally.	H. Social Studies 54. Community roles: Children recognize that people have different roles and functions in the community.
6.5 Income, Profit, and Wealth	
A. Factors Influencing Wages	
6.3.5. PK.A Differentiate between work and play.	H. Social Studies 54. Community roles: Children recognize that people have different roles and functions in the community.
C. Types of Business	
6.5. PK.C Identify local businesses.	H. Social Studies 54. Community roles: Children recognize that people have different roles and functions in the community.
7. Geography	
7.1 Basic Geographic Literacy	
A. Geographic Tools	
7.1. PK.A Explain how a map is a representation of places.	H. Social Studies 56. Geography: Children recognize and interpret features and locations in their environment.

Pennsylvania Pre-Kindergarten Learning Standards

Key Developmental Indicators (KDIs)

Social Studies Thinking CONT	
7. Geography, CONT	
7.1 Basic Geographic Literacy, CONT	
B. Location of Places and Regions	
<p><i>Emerging to...</i> Describe the location of places in the home, school, and community to gain an understanding of relative location.</p>	<p>E. Mathematics 35. Spatial awareness: Children recognize spatial relationships among people and objects.</p> <p>H. Social Studies 56. Geography: Children recognize and interpret features and locations in their environment.</p>
7.2 Physical Characteristics of Places and Regions	
A. Physical Characteristics	
<p>7.2. PK.A Describe the characteristics of home and frequently visited locations to gain an understanding of physical features.</p>	<p>H. Social Studies 53. Diversity: Children understand that people have diverse characteristics, interests, and abilities. 56. Geography: Children recognize and interpret features and locations in their environment.</p>
8. History	
8.1 Historical Analysis and Skills Development	
A. Continuity and Change over Time	
<p>8.1. PK.A Identify a sequence of events through a day.</p>	<p>H. Social Studies 57. History: Children understand past, present, and future.</p>
C. Research	
<p>8.1. PK.C Understand that information comes from many sources such as books, computers, and newspapers.</p>	<p>A. Approaches to Learning 5. Use of resources: Children gather information and formulate ideas about their world.</p> <p>G. Science and Technology 52. Tools and technology: Children explore and use tools and technology.</p>

Pennsylvania Pre-Kindergarten Learning Standards

Key Developmental Indicators (KDIs)

<i>Creative Thinking and Expression</i>	
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.	F. Creative Arts 41. Music: Children express and represent what they observe, think, imagine, and feel through music. 42. Movement: Children express and represent what they observe, think, imagine, and feel through movement.
B. Demonstration	
9.1.M.PK.B Respond to different types of music and dance through participation and discussion.	F. Creative Arts 41. Music: Children express and represent what they observe, think, imagine, and feel through music. 42. Movement: Children express and represent what they observe, think, imagine, and feel through movement.
E. Representation	
9.1.M.PK.E Use imagination and creativity to express self through music and dance.	F. Creative Arts 41. Music: Children express and represent what they observe, think, imagine, and feel through music. 42. Movement: Children express and represent what they observe, think, imagine, and feel through movement.
J. Technologies	
9.1.M.PK.J Use a variety of technologies for producing or performing works of art.	F. Creative Arts 41. Music: Children express and represent what they observe, think, imagine, and feel through music. 42. Movement: Children express and represent what they observe, think, imagine, and feel through movement. G. Science and Technology 52. Tools and technology: Children explore and use tools and technology.

Pennsylvania Pre-Kindergarten Learning Standards

Key Developmental Indicators (KDIs)

<i>Creative Thinking and Expression CONT</i>	
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.	F. Creative Arts 43. Pretend play: Children express and represent what they observe, think, imagine, and feel through pretend play.
E. Representation	
9.1.D.PK.E Use imagination and creativity to express self through dramatic play.	F. Creative Arts 43. Pretend play: Children express and represent what they observe, think, imagine, and feel through pretend play.
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.	F. Creative Arts 40. Art: Children express and represent what they observe, think, imagine, and feel through two- and three-dimensional art. 44. Appreciating the arts: Children appreciate the creative arts.
B. Demonstration	
9.1.V.PK.B Combine a variety of materials to create a work of art.	F. Creative Arts 40. Art: Children express and represent what they observe, think, imagine, and feel through two- and three-dimensional art.
E. Representation	
9.1.V.PK.E Use imagination and creativity to express self through visual arts.	F. Creative Arts 40. Art: Children express and represent what they observe, think, imagine, and feel through two- and three-dimensional art.
J. Technologies	
9.1.V.PK.J Use a variety of technologies for producing works of art.	F. Creative Arts 40. Art: Children express and represent what they observe, think, imagine, and feel through two- and three-dimensional art. H. Social Studies 52. Tools and technology: Children explore and use tools and technology.

Pennsylvania Pre-Kindergarten Learning Standards

Key Developmental Indicators (KDIs)

<i>Creative Thinking and Expression CONT</i>	
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.	F. Creative Arts 44. Appreciating the arts: Children appreciate the creative arts.
9.3 Critical Response to Works of Art	
F. Identification	
9.3.PK.F Recognize and name a variety of art forms.	F. Creative Arts 44. Appreciating the arts: Children appreciate the creative arts.
G. Critical	
9.3.PK.G Formulate and share an opinion about others' art products.	F. Creative Arts 44. Appreciating the arts: Children appreciate the creative 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.	F. Creative Arts 44. Appreciating the arts: Children appreciate the creative arts.
<i>Health, Wellness and Physical Development</i>	
10. 1. Concepts of Health	
B. Interaction of Body Systems	
10.1. PK.B Identify and locate body parts.	C. Physical Development and Health 18. Body awareness: Children know about their bodies and how to navigate them in space.
C. Nutrition	
10.1. PK.C Identify foods that keep our body healthy.	C. Physical Development and Health 20. Healthy behavior: Children engage in healthy practices.

Pennsylvania Pre-Kindergarten Learning Standards

Key Developmental Indicators (KDIs)

Health, Wellness and Physical Development, CONT	
10. 1. Concepts of Health, CONT	
D. Alcohol, Tobacco and Chemical Substances	
10.1.PK.D Identify and discuss the purposes of medicine.	C. Physical Development and Health 20. Healthy behavior: Children engage in healthy practices.
E. Health Problems and Disease Prevention	
10.1.PK.E Identify and discuss common health problems.	C. Physical Development and Health 19. Personal care: Children carry out personal care routines on their own. 20. Healthy behavior: Children engage in healthy practices.
10. 2. Healthful Living	
A. Health Practices, Products, and Services	
10.2.PK.A Identify fundamental practices for good health.	C. Physical Development and Health 19. Personal care: Children carry out personal care routines on their own. 20. Healthy behavior: Children engage in healthy practices.
E. Health and the Environment	
10.2.PK.E Identify environmental factors that affect health.	C. Physical Development and Health 20. Healthy behavior: Children engage in healthy practices.
10. 3. Safety and Injury Prevention	
A. Safe and Unsafe Practices	
10.3. PK.A Recognize safe and unsafe practices.	C. Physical Development and Health 20. Healthy behavior: Children engage in healthy practices. H. Social Studies 54. Community roles: Children recognize that people have different roles and functions in the community.
B. Emergency Responses	
10.3.PK.B Recognize emergency situations and discuss appropriate responses.	C. Physical Development and Health 20. Healthy behavior: Children engage in healthy practices.

Pennsylvania Pre-Kindergarten Learning Standards

Key Developmental Indicators (KDIs)

Health, Wellness and Physical Development, CONT	
10.4 Physical Activity: Gross Motor Coordination	
A. Control and Coordination	
10.4.PK.A Demonstrate coordination of body movements in active play.	C. Physical Development and Health 16. Gross-motor skills: Children demonstrate strength, flexibility, balance, and timing in using their large muscles. F. Creative Arts 42. Movement: Children express and represent what they observe, think, imagine, and feel through movement.
B. Balance and Strength	
10.4.PK.B Exhibit balance while moving on the ground or using equipment.	C. Physical Development and Health 16. Gross-motor skills: Children demonstrate strength, flexibility, balance, and timing in using their large muscles.
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.	C. Physical Development and Health 17. Fine-motor skills: Children demonstrate dexterity and hand-eye coordination in using their small muscles.
B. Eye/Hand Coordination	
10.5.PK.B Coordinate eye and hand movements to perform a task.	C. Physical Development and Health 17. Fine-motor skills: Children demonstrate dexterity and hand-eye coordination in using their small muscles.

Pennsylvania Pre-Kindergarten Learning Standards

Key Developmental Indicators (KDIs)

Health, Wellness and Physical Development, CONT	
10.5 Concepts, Principles and Strategies of Movement: Fine Motor Development, CONT	
C. Use of Tools	
<p>10.5.PK.C Use tools that require use of fingers, hands, and/or wrists to accomplish a task.</p>	<p>C. Physical Development and Health 17. Fine-motor skills: Children demonstrate dexterity and hand-eye coordination in using their small muscles. 19. Personal care: Children carry out personal care routines on their own.</p> <p>D. Language, Literacy, and Communication 29. Writing: Children write for many different purposes.</p> <p>F. Creative Arts 40. Art: Children express and represent what they observe, think, imagine, and feel through two- and three-dimensional art.</p>
Social and Emotional Development	
16.1 Self-Awareness and Self-Management	
A. Manages Emotions and Behaviors	
<p>16.1. PK.A Distinguish between emotions and identify socially accepted ways to express them.</p>	<p>B. Social and Emotional Development 9. Emotions: Children recognize, label, and regulate their feelings. 15. Conflict resolution: Children resolve social conflicts.</p>
B. Influences of Personal Traits on Life	
<p>16.1. PK.B Recognize that everyone has personal traits which guide behavior and choices.</p>	<p>A. Approaches to Learning 1. Initiative: Children demonstrate initiative as they explore their world. 2. Planning: Children make plans and follow through on their intentions. 3. Engagement: Children focus on activities that interest them.</p> <p>B. Social and Emotional Development 7. Self-identity: Children have a positive self-identity. 8. Sense of competence: Children feel they are competent.</p>

Pennsylvania Pre-Kindergarten Learning Standards

Key Developmental Indicators (KDIs)

Social and Emotional Development, CONT	
16.1 Self-Awareness and Self-Management, CONT	
C. Resiliency	
<p>16.1. PK.C Recognize that everyone makes mistakes and that using positive coping skills can result in learning from the experience.</p>	<p>A. Approaches to Learning 1. Initiative: Children demonstrate initiative as they explore their world. 4. Problem solving: Children solve problems encountered in play.</p> <p>B. Social and Emotional Development 8. Sense of competence: Children feel they are competent. 9. Emotions: Children recognize, label, and regulate their feelings. 15. Conflict resolution: Children resolve social conflicts.</p>
D. Goal Setting	
<p>16.1. PK.D Establish goals independently and recognize their influence on choices.</p>	<p>A. Approaches to Learning 1. Initiative: Children demonstrate initiative as they explore their world. 2. Planning: Children make plans and follow through on their intentions.</p>
16.2 Establishing and Maintaining Relationships	
A. Relationships	
<p>16.2 PK.A Interact with peers and adults in a socially acceptable manner.</p>	<p>B. Social and Emotional Development 10. Empathy: Children demonstrate empathy toward others. 12. Building relationships: Children build relationships with other children and adults. 13. Cooperative play: Children engage in cooperative play. 14. Moral development: Children develop an internal sense of right and wrong.</p>

Pennsylvania Pre-Kindergarten Learning Standards

Key Developmental Indicators (KDIs)

Social and Emotional Development, CONT	
16.2 Establishing and Maintaining Relationships, CONT	
B. Diversity	
<p>16.2. PK.B Identify similarities and differences between self and others.</p>	<p>B. Social and Emotional Development 7. Self-identity: Children have a positive self-identity. 9. Emotions: Children recognize, label, and regulate their feelings. 10. Empathy: Children demonstrate empathy toward others. H. Social Studies 53. Diversity: Children understand that people have diverse characteristics, interests, and abilities.</p>
C. Communication	
<p>16.2. PK.C Engage in reciprocal communication with adults and peers.</p>	<p>B. Social and Emotional Development 12. Building relationships: Children build relationships with other children and adults. 13. Cooperative play: Children engage in cooperative play. D. Language, Literacy, and Communication 22. Speaking: Children express themselves using language.</p>
D. Managing Interpersonal Conflicts	
<p>16.2. PK.D Recognize that conflict occurs and distinguish between appropriate and inappropriate ways to resolve conflict. <i>*See also 5.2.PK.B</i></p>	<p>B. Social and Emotional Development 9. Emotions: Children recognize, label, and regulate their feelings. 15. Conflict resolution: Children resolve social conflicts.</p>
E. Support: Asking for Help	
<p>16.2. PK.E Ask for and accept offers of help when needed or appropriate.</p>	<p>A. Approaches to Learning 4. Problem solving: Children solve problems encountered in play. B. Social and Emotional Development 15. Conflict resolution: Children resolve social conflicts.</p>

Pennsylvania Pre-Kindergarten Learning Standards

Key Developmental Indicators (KDIs)

<i>Social and Emotional Development, CONT</i>	
16.3 Decision Making and Responsible Behavior	
A. Decision Making Skills	
<p>16.3 PK.A Interpret the consequences of choices.</p>	<p>B. Social and Emotional Development 14. Moral development: Children develop an internal sense of right and wrong.</p> <p>C. Physical Development and Health 20. Healthy behavior: Children engage in healthy practices.</p> <p>H. Social Studies 55. Decision making: Children participate in making classroom decisions.</p>
B. Understanding Social Norms	
<p>16.3. PK.B Recognize there are socially acceptable ways to behave in different places.</p>	<p>B. Social and Emotional Development 11. Community: Children participate in the community of the classroom. 13. Cooperative play: Children engage in cooperative play.</p>
C. Responsible Active Engagement	
<p>16.3. PK.C Actively engage in assisting others when appropriate.</p>	

References

Office of Child Development , and Early Learning, Pennsylvania Department of Human Services, Pennsylvania Department of Education.
Pennsylvania Pre-Kindergarten Learning Standards. Harrisburg, PA: Author.

<https://www.pakeys.org/uploadedContent/Docs/Career%20Development/2014%20Pennsylvania%20Learning%20Standards%20for%20Early%20Childhood%20PreKindergarten.pdf>

Epstein, A. S., Marshall, B., & Gainsley, S. (2014). *COR Advantage 1.5: Scoring guide*. Ypsilanti, MI: HighScope Press.

Epstein, A. S., Marshall, B., Gainsley, S., Red-e Set Grow, Albro, C., Claxton, J., ... Smith, E. V. (2014). *COR Advantage 1.5* [Computerized assessment system]. Online at <http://www.coradvantage.org>.