

# Pennsylvania Learning Standards for Early Childhood

## Crosswalk with Revised Head Start Outcomes Framework

### February 2011

<b>Approaches to Learning Through Play</b>	
<b>PA Learning Standard for Early Childhood</b>	<b>Revised Head Start Outcomes Framework</b>
15.1 Constructing Knowledge	Approaches to Learning: Initiative and Curiosity
15.2 Organizing and Understand Knowledge	Logic and Reasoning: Problem Solving  Approaches to Learning: Persistence and Attentiveness
15.3 Applying Knowledge	Approaches to Learning: Reasoning and Problem Solving
15.4 Learning through Experiences	Social Studies: Self, Family and Community  Social and Emotional Development: Social Relationships

<b>Creative Thinking and Expression</b>	
<b>PA Learning Standard for Early Childhood</b>	<b>Revised Head Start Outcomes Framework</b>
9.1a Music and Movement	Creative Arts Expression: Creative Movement and Dance
9.1b Dramatic and Performance Play	Creative Arts Expression: Drama
9.1c Visual Arts	Creative Arts Expression: Art  Logic and Reasoning: Symbolic Representation
9.2 Historical and Cultural Context of Works in the Arts	
9.3 Critical Response to Works in the Arts	Creative Arts Expression: Art
9.4 Aesthetic Response to Works in the Arts	Creative Arts Expression: Art; Creative Movement and Dance

<b>Mathematical Thinking and Expression</b>	
<b>PA Learning Standard for Early Childhood</b>	<b>Revised Head Start Outcomes Framework</b>
2.1 Numbers, Number Systems and Relationships	Mathematics Knowledge and Skills: Number Concepts and Quantities; Number Relationships and Operations
2.2 Computation and Estimation	Mathematics: Number and Operations
2.3 Measurement and Estimation	Mathematics Knowledge and Skills: Measurement and Comparison
2.4 Mathematical Reasoning and Connections	Logic and Reasoning: Reasoning and Problem Solving
2.5 Mathematical Problem Solving and Communication	Logic and Reasoning: Reasoning and Problem Solving
2.6 Statistics and Data Analysis	
2.7 Probability and Predictions	
2.8 Algebra and Functions	Mathematics: Knowledge and Skill: Number Relationships and Operations; Patterns
2.9 Geometry	Mathematics Knowledge and Skills: Geometry and Spatial Sense

<b>Scientific Thinking and Technology</b>	
<b>PA Learning Standard for Early Childhood</b>	<b>Revised Head Start Outcomes Framework</b>
3.1a Living and Non-Living Organisms	Science Knowledge and Skills: Scientific Skills and Method  Science Knowledge and Skills: Conceptual Knowledge of the Natural and Physical World
3.1b Genetics	Science Knowledge and Skills: Scientific Skills and Method  Science Knowledge and Skills: Conceptual Knowledge of the Natural and Physical World
3.1c Evolution	Science Knowledge and Skills: Scientific Skills and Method  Science Knowledge and Skills: Conceptual Knowledge of the Natural and Physical World
3.2a Physical Sciences: Chemistry	Science Knowledge and Skills: Scientific Skills and Method  Science Knowledge and Skills: Conceptual Knowledge of the Natural and Physical World
3.2b Physical Sciences: Physics	Science Knowledge and Skills: Scientific Skills and Method  Science Knowledge and Skills: Conceptual Knowledge of the Natural and Physical World
3.3a Earth and Space Sciences: Earth Structure, Processes and Cycles	Science Knowledge and Skills: Scientific Skills and Method  Science Knowledge and Skills: Conceptual Knowledge of the Natural and Physical World
3.3b Origin and Evolution of the Universe	Science Knowledge and Skills: Scientific Skills and Method  Science Knowledge and Skills: Conceptual Knowledge of the Natural and Physical World
3.4a Scope of Technology	
3.4c Technology and Engineering Design	Science Knowledge and Skills: Scientific Skills and Method
3.4e The Design World	Science Knowledge and Skills: Scientific Skills and Method  Science Knowledge and Skills: Conceptual Knowledge of the Natural and Physical World
4.1 Environment and Ecology	Science Knowledge and Skills: Scientific Skills and Method  Science Knowledge and Skills: Conceptual Knowledge of the Natural and Physical World  Social Studies Knowledge and Skills: People and the Environment

<b>Social Studies Thinking</b>	
<b>PA Learning Standard for Early Childhood</b>	<b>Revised Head Start Outcomes Framework</b>
5.1 Principles and Documents of Government	Social Studies Knowledge and Skills: Self-Family and Community
5.2 Rights and Responsibilities of Citizens	Approaches to Learning: Cooperation Social and Emotional Development: Social Relationships
6.1 Economic Systems	Social Studies Knowledge and Skills: Self, Family and Community
6.2 Markets and the Functions of Government	
6.3 Scarcity and Choice	
6.5 Work and Earnings	
7.1 Basic Geographic Literacy	Social Studies Knowledge and Skills: Self, Family and Community
7.2 Physical Characteristics of Places and Regions	
7.3 Human Characteristics of Places and Regions	Social Studies: Knowledge and Skills: Self, Family and Community
7.4 Interactions Between People and the Environment	
8.1 Historical Analysis and Skills Development	Social Studies Knowledge and Skills: History and Events

<b>Health, Wellness and Physical Development</b>	
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10.1-3 Health and Safety Practices	Physical Development and Health: Physical Health Status; Health Knowledge and Practice
10.4 Physical Activity: Gross Motor Coordination	Physical Development and Health: Gross Motor Skills
10.5 Concepts, Principles and Strategies of Movement: Fine Motor Coordination	Physical Development and Health: Fine Motor Skills

<b>Language and Literacy Development</b>	
<b>PA Learning Standard for Early Childhood</b>	<b>Revised Head Start Outcomes Framework</b>
1.1 Learning to Read Independently	Literacy Knowledge and Skills: Book Appreciation and Knowledge;  Literacy Knowledge and Skills: Phonological Awareness  Literacy Knowledge and Skills: Alphabet Knowledge  Literacy Knowledge and Skills: Print Concepts & Conventions

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1.2 Reading, Analyzing, and Interpreting Text	Literacy Knowledge and Skills: Book Appreciation and Knowledge
1.3 Reading, Analyzing, and Interpreting Literature	Literacy Knowledge and Skills: Book Appreciation and Knowledge
1.4 Types of Writing	Literacy Knowledge and Skills: Early Writing
1.5 Quality of Writing	Literacy Knowledge and Skills: Early Writing
1.6 Speaking and Listening	Literacy Knowledge and Skills: Book Appreciation and Knowledge  Language Development: Receptive Language  Language Development: Expressive Language
1.7 Characteristics and Function of the English Language	English Language Development: Receptive English Language Skills  English Language Development: Expressive English Language Skills  English Language Development: Engagement in English Literacy Activities
1.8 Research	
1.9 Information, Communication, and Technology Literacy	

<b>Partnerships for Learning</b>	
<b>PA Learning Standard for Early Childhood</b>	<b>Revised Head Start Outcomes Framework</b>
20.1 Connections	
20.2 Family Engagement	
20.3 Supporting Children's Learning	
20.4 Transition	

<b>Social and Emotional Development</b>	
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25.1 Self Concept (Identity)	Social and Emotional Development: Self Concept and Self-Efficacy  Social and Emotional Development: Emotional Behavioral Health
25.2 Self Regulation	Social and Emotional Development: Self Regulation
25.3 Pro-Social Relationships with Adults	Social and Emotional Development: Social Relationships
25.4 Pro-Social Relationships with Peers	Social and Emotional Development: Social Relationships