

PA CROSSWALK

Pennsylvania Early Learning Standards for Pre-kindergarten

NAEYC Accreditation Standards

Head Start Performance Standards

Early Childhood Environmental Rating Scale

PA Academic Standards

Core Body of Knowledge

Keystone Stars Performance Standards

February 2011

Approaches to Learning Through Play

| Standard 15.1 Constructing and Gathering Knowledge | | | | | | |
|--|--|--------------------------------------|--|--|-----------------------|------------------------|
| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS - R | PA Academic Standards | Core Body of Knowledge |
| 15.1.1 Curiosity and Initiative | 1.B.13, 2.A.10, 2.A.12, 2.A.14, 3.A.10, 3.A.13, 3.B.04, 3.E.13, 9.A.03 | | 1304.21(a)(1)(iv) 1304.21(a)(3)(i)(B) 1304.21(a)(4)(i) 1304.21(c)(1)(i) 1304.21(c)(1)(ii) 1034.21(c)(1)(vi) <i>Outcomes Framework – Approaches to Learning: Initiative and Curiosity</i> | #4, #16, #20, #21, #22, #23, #24, #25, #27, #28, #29, #34, #35 | | K1, K2, K4, K-5 |
| 15.1.2 Risk Taking | | | | | | |
| 15.1.3 Stages of Play | | | | | | |

Standard 15.2 Organizing and Understanding Information

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS - R | PA Academic Standards | Core Body of Knowledge |
|--|--|--------------------------------------|---|---------------------------------|-----------------------|------------------------|
| 15.2.1 Engagement, Attention and Persistence | 2.A.11, 3.A.15, 3.A.16, 3.E.01, 3.E.02, 3.E.03, 3.E.05, 3.E.07, 3.E.08, 3.E.09, 3.E.10, 3.E.11, 3.E.12, 3.E.13, 3.E.14 | | 1304.21(a)(1)(iv) 1304.21(a)(3)(i)(B) 1304.21(a)(4)(i) 1304.21(c)(1)(i) 1304.21(c)(1)(ii) 1034.21(c)(1)(vi) | #18, #22, #24, #25, #29, #35 | | K1, K2, K4, K5 |
| 15.2.2 Task Analysis | | | | | | |
| 15.2.4 Reasoning and Problem Solving | | | <i>Outcomes Framework:</i> <i>Logic and Reasoning:</i> <i>Problem Solving</i> <i>Approaches to Learning:</i> <i>Persistence and Attentiveness</i> | | | |

Standard 15.3 Applying Knowledge

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS - R | PA Academic Standards | Core Body of Knowledge |
|--|--|--------------------------------------|--|--|-----------------------|------------------------|
| 15.3.1 Creativity, Flexibility and Invention | 3.A.10, 3.E.01, 3.E.02, 3.E.05, 3.E.06 | | 1304.21(a)(1)(iv) 1304.21(a)(3)(i)(B) 1304.21(a)(4)(i) 1304.21(c)(1)(i) 1304.21(c)(1)(ii) 1034.21(c)(1)(vi) <i>Outcomes Framework: Approaches to Learning: Reasoning and Problem Solving</i> | #17, #18, #19, #22,#23, #24, #25, #29, #34, #35 | | K1, K2, K4, K5 |

Standard 15.4 Learning Through Experience

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS - R | PA Academic Standards | Core Body of Knowledge |
|-----------------------------|----------------------------------|---|--|---|--------------------------|---------------------------|
| 15.4.1 Home-School Identity | | | 1304.21(a)(1)(iv) 1304.21(a)(3)(i)(B) 1304.21(a)(4)(i) 1304.21(c)(1)(i) 1304.21(c)(1)(ii) 1034.21(c)(1)(vi) | #4, #24, #29, #30, #31, #32, #33, #35 | | K1, K2, K4, K5, K7 |
| 15.4.2 Resilience | | | | | | |
| 15.4.3 Culture | | | | | | |

Creative Thinking and Expression

Standard 9.1a Production and Performance: Music and Movement

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS - R | PA Academic Standards | Core Body of Knowledge |
|---------------------------|-------------------------------|--------------------------------------|--|-----------------------|-----------------------|------------------------|
| 9.1a.1 Aesthetic Response | 2.H.01, 2.H.04, 2.H.05, | | 1304.21(a)(4)(ii) 1304.21(a)(4)(iii) 1304.21(c) 1)(ii) | #16, #18, #21, #28 | | K1-C, K2-C, K2-F |
| 9.1a.2 Exploration | | | | | | |
| 9.1a.3 Creation | | | | | | |

Standard 9.1b: Production and Performance: Dramatic and Performance Play

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS - R | PA Academic Standards | Core Body of Knowledge |
|----------------------------|--|---|---|----------------------------|--------------------------|---------------------------|
| 9.1b.1 Dramatic Expression | 1.C.01, 1.C.02, 2.A.07, 2.G.04, 3.D.02 | | 1304.21(a)(3)(i) 1304.21(a)(4)(ii) | #15, #16, #18, #24, #28 | | K1-C, K2-F |
| 9.1b.2 Performance | | | <i>Outcomes Framework – Creative Arts Expression: Drama</i> | | | |

Standard 9.1c: Production and Performance: Visual Arts

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS - R | PA Academic Standards | Core Body of Knowledge |
|-----------------------------|--|---|--|---|--------------------------|---------------------------|
| 9.1c.1 Representation | 2.H.01, 2.H.04, 2.H.05 2.H.06, 2.I.04, 2.I.05 | | 1304.21(a)(4)(ii) 1304.21(c)(1)(ii) 1304.21(a)(4)(iii) | #15, #16, #18, #19, #20, #27, #28 | | K1-C, K2-A, K2-F |
| 9.1c.2 Construction | | | | | | |
| 9.1c.3 Personal Connections | | | <i>Outcomes Framework – Creative Arts Expression: Art</i> <i>Logic and Reasoning: Symbolic Representation</i> | | | |

Standard 9.2: Historical and Cultural Context of Works in the Arts

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS | PA Academic Standards | Core Body of Knowledge |
|---------------------------|----------------------------------|---|---|--|--------------------------|---------------------------|
| 9.2.1 Patterns and Themes | 2.H.07, 2.H.05, 2.H.01 | | 1304.21(a)(4)(ii) 1304.21(a)(4)(iii) | #15, #16, #18, #19, #20, #21, #24, #28 | | K1-C, K2-F |

Standard 9.3: Critical Response to Works of Art

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS - R | PA Academic Standards | Core Body of Knowledge |
|-------------------------|----------------------------------|---|---|--|--------------------------|---------------------------|
| 9.3.1 Critical Response | 2.H.07, 2.H.05, 2.H.01 | | 1304.21(a)(4)(ii) 1304.21(a)(4)(iii) | #15, #16, #18, #19, #20, #21, #24, #28 | | K1-C, K2-F |
| 9.3.2 Identification | | | <i>Outcomes Framework – Creative Arts Expression: Art</i> | | | |

Standard 9.4: Aesthetic Response to Works in the Arts

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS - R | PA Academic Standards | Core Body of Knowledge |
|--------------------------|----------------------------------|---|---|--|--------------------------|---------------------------|
| 9.4.1 Emotional Response | 2.H.07, 2.H.05, 2.H.01 | | 1304.21(a)(4)(ii) 1304.21(a)(4)(iii) <i>Outcomes Framework – Creative Arts Expression: Art; Creative Movement and Dance</i> | #15, #16, #18, #19, #20, #21, #24, #28 | | K1-C, K2-F |

Mathematical Thinking and Expression: Exploring, Processing and Problem Solving

| Standard 2.1: Numbers, Number Systems and Number Relationships | | | | | | |
|--|----------------------------|--------------------------------------|--|-----------------------------------|-----------------------|--|
| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS - R | PA Academic Standards | Core Body of Knowledge |
| 2.1.1 Count and Compare Numbers | 2.E.01, 2.E.05 | | 1304.21(a)(1)(iv) 1304.21(a)(3)(i)(B) 1304.21(a)(4)(i) 1304.21(a)(4)(iv) 1304.21(c)(1)(i) 1304.21(c)(1)(ii) 1304.21(c)(1)(vi) <i>Outcomes Framework – Mathematics Knowledge and Skills: Number Concepts and Quantities; Number Relationships and Operations</i> | #17, #22, #23, #25, #26, #35, #36 | 2.1.PK.A | K1-C, K2-A, K2-B, K2-C, K2-D, K2-E, K2-F |
| 2.1.2 Represent Numbers in Equivalent Forms | | | | | 2.1.PK.B | |
| 2.1.3 Concepts of numbers an Relationships | | | | | 2.1.PK.C | |
| 2.1.6 Concepts and Applications of Operations | | | | | | |

Standard 2.2: Computation and Estimation

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS - R | PA Academic Standards | Core Body of Knowledge |
|------------------------------|----------------------------------|---|---|---|--------------------------|---|
| 2.2.1 Fluency in Basic Facts | 2.E.01, 2.E.05 | | 1304.21(a)(1)(iv) 1304.21(a)(3)(i)(B) 1304.21(a)(4)(i) 1304.21(a)(4)(iv) 1304.21(c)(1)(i) 1304.21(c)(1)(ii) 1304.21(c)(1)(vi) <i>Outcomes Framework – Mathematics: Number and Operations</i> | #17, #22, #23, #25, #26, #35, #36 | 2.2.PK.A | K1-C, K2-A, K2-B, K2-C, K2-D, K2-E, K2-F |
| 2.2.2 Computation | | | | | 2.2.PK.B | |
| 2.2.4 Numerical Estimation | | | | | 2.2.PK.D | |

Standard 2.3: Measurement and Estimation

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS - R | PA Academic Standards | Core body of Knowledge |
|---|---|---|---|---|--------------------------|--|
| 2.3.1 Concepts of Measurement | 2.E.05, 2.E.11 2.E.03, 2.E.09, 2.E.10 | | 1304.21(a)(1)(iv) 1304.21(a)(3)(i)(B) 1304.21(a)(4)(i) 1304.21(a)(4)(iv) 1304.21(c)(1)(i) 1304.21(c)(1)(ii) 1304.21(c)(1)(vi) <i>Outcomes Framework – Mathematics Knowledge and Skills: Measurement and Comparison</i> | #17, #22, #23, #25, #26, #35, #36 | 2.3.PK.A | K1-C, K2-A, K2-B, K2-C, K2-D, K2-E, K2-F |
| 2.3.2 Units and Tools of Measurement | | | | | 2.3.PKB | |
| 2.3.4 Conversions | | | | #17, #22, #23, #25, #26, #35, #36 | | |
| 2.3.6 Measurement and Estimation | | | | | 2.3.PK.F | |

Standard 2.4: Mathematical Reasoning and Connections

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS – R | PA Academic Standards | Core body of Knowledge |
|-----------------|----------------------------------|---|---|---|--------------------------|---|
| 2.4.1 Reasoning | | | 1304.21(a)(1)(iv) 1304.21(a)(3)(i)(B) 1304.21(a)(4)(i) 1304.21(a)(4)(iv) 1304.21(c)(1)(i) 1304.21(c)(1)(ii) 1304.21(c)(1)(vi) <i>Outcomes Framework – Logic and Reasoning: Reasoning and Problem Solving</i> | #17, #22, #23, #25, #26, #35, #36 | 2.4.PK.A | K1-C, K2-A, K2-B, K2-C, K2-D, K2-E, K2-F |

Standard 2.5: Mathematical Problem Solving and Communication

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS - R | PA Academic Standards | Core Body of Knowledge |
|-----------------------|----------------------------------|---|---|---|--------------------------|---|
| 2.5.1 Problem Solving | 2.E.01, 2.E.05 | | 1304.21(a)(1)(iv) 1304.21(a)(3)(i)(B) 1304.21(a)(4)(i) 1304.21(a)(4)(iv) 1304.21(c)(1)(i) 1304.21(c)(1)(ii) 1304.21(c)(1)(vi) <i>Outcomes Framework – Logic and Reasoning: Reasoning and Problem Solving</i> | #17, #22, #23, #25, #26, #35, #36 | 2.5.PK.A | K1-C, K2-A, K2-B, K2-C, K2-D, K2-E, K2-F |
| 2.5.2 Communication | | | | | 2.5.PK.B | |

Standard 2.6: Statistics and Data Analysis

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS - R | PA Academic Standards | Core Body of Knowledge |
|--|----------------------------------|---|---|---|--------------------------|---|
| 2.6.1 Collection of Data | 2.E.11 | | 1304.21(a)(1)(iv) 1304.21(a)(3)(i)(B) 1304.21(a)(4)(i) 1304.21(a)(4)(iv) 1304.21(c)(1)(i) 1304.21(c)(1)(ii) 1304.21(c)(1)(vi) | #17, #22, #23, #25, #26, #35, #36 | 2.6.PK.A | K1-C, K2-A, K2-B, K2-C, K2-D, K2-E, K2-F |
| 2.6.2 Organization and Display of Data | | | | | 2.6.PK.B | |
| 2.6.3 Numerical Summaries | | | | | | |
| 2.6.5 Interpretation of Data | | | | | 2.6.PK.E | |

Standard 2.7: Probability and Predictions

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS - R | PA Academic Standards | Core Body of Knowledge |
|--|---|---|---|---|----------------------------------|---|
| 2.7.1 Calculate Probabilities | 2.E.01, 2.E.05 | | 1304.21(a)(1)(iv) 1304.21(a)(3)(i)(B) 1304.21(a)(4)(i) 1304.21(a)(4)(iv) 1304.21(c)(1)(i) 1304.21(c)(1)(ii) 1304.21(c)(1)(vi) | #17, #22, #23, #25, #26, #35, #36 | | K1-C, K2-A, K2-B, K2-C, K2-D, K2-E, K2-F |
| 2.7.3 Representations of Probabilities | | | | | | |

Standard 2.8: Algebra and Functions

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS - R | PA Academic Standards | Core Body of Knowledge |
|-------------------------------|----------------------------------|---|--|---|--------------------------|---|
| 2.8.1 Algebraic Properties | 2.E.01, 2.E.05 | | 1304.21(a)(1)(iv) 1304.21(a)(3)(i)(B) 1304.21(a)(4)(i) 1304.21(a)(4)(iv) 1304.21(c)(1)(i) 1304.21(c)(1)(ii) 1304.21(c)(1)(vi) <i>Outcomes Framework – Mathematics: Knowledge and Skill: Number Relationships and Operations; Patterns</i> | #17, #22, #23, #25, #26, #35, #36 | 2.8.PK.A | K1-C, K2-A, K2-B, K2-C, K2-D, K2-E, K2-F |
| 2.8.2 Algebraic Manipulations | | | | | 2.8.PK.B | |
| 2.8.3 Patterns | | | | | 2.8.PK.C | |

Scientific Thinking and Technology: Exploring, Inquiry and Discovery

Standard 3.1.a: Biological Sciences: Living and Non-Living Organisms

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS – R | PA Academic Standards | Core Body of Knowledge |
|---------------------------------------|----------------------------|--------------------------------------|--|-----------|-----------------------|---|
| 3.1a.1 Common Characteristics of Life | 2.F.01 | | 1304.21 (a)(4)(i) 1304.21 (c)(1)(i) 1304.21 (c)(1)(ii) 1304.21 (c)(1)(v) | #23, #25 | | K1-A, B, C, D, E, F K2-A, B, C, D, E, F, G |
| 3.1a.3 Life Cycles | | | | | | |
| 3.1a.5 Form and Function | | | | | | |
| 3.1a.8 Unifying Themes | | | | | | |
| 3.1a.9 Science as Inquiry | | | | | | |
| | | | <i>Outcomes Framework – Science Knowledge and Skills: Scientific Skills and Method; Conceptual Knowledge of the Natural and Physical World</i> | | | |

Standard 3.1.b: Biological Sciences: Genetics

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS – R | PA Academic Standards | Core Body of Knowledge |
|------------------------|----------------------------------|---|--|-----------|--------------------------|---------------------------|
| 3.1b.1 Heredity | 2.F.01 | | 1304.21 (a)(4)(i) 1304.21 (c)(1)(i) 1304.21 (c)(1)(ii) 1304.21 (c)(1)(v) | #23, #25 | | K1-A, B, C, D, E, F |
| 3.1b.2 Reproduction | | | | | | K2-A, B, C, D, E, F, G |
| 3.1b.5 Unifying Themes | | | <i>Outcomes Framework – Science Knowledge and Skills: Scientific Skills and Method; Conceptual Knowledge of the Natural and Physical World</i> | | | |

Standard 3.1.c: Biological Sciences: Evolution

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS – R | PA Academic Standards | Core Body of Knowledge |
|------------------------------|----------------------------------|---|--|-----------|--------------------------|---------------------------|
| 3.1c.2 Adaptation | 2.F.01 | | 1304.21 (a)(4)(i) 1304.21 (c)(1)(i) 1304.21 (c)(1)(ii) 1304.21 (c)(1)(v) | #23, #25 | | K1-A, B, C, D, E, F |
| 3.1c.3 Unifying Themes | | | | | | K2-A, B, C, D, E, F, G |
| 3.1c.4 Science as Inquiry | | | <i>Outcomes Framework – Science Knowledge and Skills: Scientific Skills and Method, Conceptual Knowledge of the Natural and Physical World</i> | | | |

Standard 2.1a: Physical Sciences: Chemistry

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS – R | PA Academic Standards | Core Body of Knowledge |
|-----------------------------|--|--------------------------------------|---|-----------|-----------------------|---|
| 3.2a.1 Properties of Matter | 2.F.02, 2.F.03, 2.F.04, 2.F.05, 2.F.07, 2.F.08, 2.F.09 | | 1304.21 (a)(4)(i) 1304.21 (c)(1)(i) 1304.21 (c)(1)(ii) 1304.21 (c)(1)(v) | #23, 25 | | K1-A, B, C, D, E, F K2-A, B, C, D, E, F, G |
| 3.2a.2 Structure of Matter | | | | | | |
| 3.2a.4 Reactions | | | | | | |
| | | | <p><i>Outcomes Framework – Science Knowledge and Skills: Scientific Skills and Method, Conceptual Knowledge of the Natural and Physical World</i></p> | | | |

Standard 3.2b: Physical Sciences: Physics

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS – R | PA Academic Standards | Core Body of Knowledge |
|--|----------------------------------|---|--|-----------|--------------------------|---|
| 3.2b.1 Force and Motion of Particles and Rigid Bodies | 2.F.01, 2.F.03, 2.F.04 | | 1304.21 (a)(4)(i) 1304.21 (c)(1)(i) 1304.21 (c)(1)(ii) 1304.21 (c)(1)(v) | #23, #25 | | K1-A, B, C, D, E, F K2-A, B, C, D, E, F, G |
| 3.2b.2 Energy Storage and Transformations: Conservation Laws | | | | | | |
| 3.2b.4 Electrical and Magnetic Energy | | | | | | |
| 3.2b.5 Nature of Waves and Sound | | | | | | |
| 3.2b.6 Unifying Themes | | | | | | |
| 3.2b.7 Science as Inquiry | | | <i>Outcomes Framework – Science Knowledge and Skills: Scientific Skills and Method, Conceptual Knowledge of the Natural and Physical World</i> | | | |

Standard 3.3a: Earth and Space Sciences: Earth Structure, Processes and Cycles

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS – R | PA Academic Standards | Core Body of Knowledge |
|--|------------------------------|--------------------------------------|--|-----------|-----------------------|---------------------------|
| 3.3a.1 Earth Features and the Processes that Change it | 2.F.01, 2.G.08, 2.G.09 | | 1304.21 (a)(4)(i) 1304.21 (c)(1)(i) 1304.21 (c)(1)(ii) 1304.21 (c)(1)(v) | #23, #25 | | K1-A, B, C, D, E, F |
| 3.3a.2 Earth’s Resources and Materials | | | | | | K2-A, B, C, D, E, F, G |
| 3.3a.4 Water | | | | | | |
| 3.3a.5 Weather and Climate | | | | | | |
| 3.3a.6 Unifying Themes | | | | | | |
| | | | <i>Outcomes Framework – Science Knowledge and Skills: Scientific Skills and Method, Conceptual Knowledge of the Natural and Physical World</i> | | | |

Standard 3.3b.1: Earth and Space Sciences: Origin and Evolution of the Universe

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS – R | PA Academic Standards | Core Body of Knowledge |
|----------------------------------|----------------------------------|---|--|-----------|--------------------------|---|
| 3.3b.1 Composition and Structure | 2.F.01, 2.G.08, 2.G.09 | | 1304.21 (a)(4)(i) 1304.21 (c)(1)(i) 1304.21 (c)(1)(ii) 1304.21 (c)(1)(v) | #23, #25 | | K1-A, B, C, D, E, F K2-A, B, C, D, E, F, G |
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| | | | <i>Outcomes Framework – Science Knowledge and Skills: Scientific Skills and Method, Conceptual Knowledge of the Natural and Physical World</i> | | | |

Standard 3.4a: Scope of Technology

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS – R | PA Academic Standards | Core Body of Knowledge |
|--------------------------------------|------------------------------|--------------------------------------|---|-----------|-----------------------|---|
| 3.4a.1 Characteristics of Technology | 2.F.01, 2.F.03, 2.F.04 | | 1304.21 (a)(4)(i) 1304.21 (c)(1)(i) 1304.21 (c)(1)(ii) 1304.21 (c)(1)(v) | #23, #25 | | K1-A, B, C, D, E, F K2-A, B, C, D, E, F, G |
| 3.4a.3 Technology of Connections | | | | | | |
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Standard 3.4c: Technology and Engineering Design

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS – R | PA Academic Standards | Core Body of Knowledge |
|--------------------------|----------------------------------|---|---|-----------|--------------------------|---|
| 3.4c.1 Design Attributes | 2.F.01, 2.F.03, 2.F.04 | | 1304.21 (a)(4)(i) 1304.21 (c)(1)(i) 1304.21 (c)(1)(ii) 1304.21 (c)(1)(v) <i>Outcomes Framework – Science Knowledge and Skills: Scientific Skills and Method</i> | #23, #25 | | K1-A, B, C, D, E, F K2-A, B, C, D, E, F, G |

Standard 3.4e: Technology: The Design World

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS – R | PA Academic Standards | Core Body of Knowledge |
|--|----------------------------|--------------------------------------|---|-----------|-----------------------|---|
| 3.4e.1 Medical Technologies | 2.F.01, 2.F.03, 2.F.04 | | 1304.21 (a)(4)(i) 1304.21 (c)(1)(i) 1304.21 (c)(1)(ii) 1304.21 (c)(1)(v) | #23, #25 | | K1-A, B, C, D, E, F K2-A, B, C, D, E, F, G |
| 3.4e.3 Energy and Power Technologies | | | | | | |
| 3.4e.4 Information and CommunicationTechnologies | | | | | | |
| 3.4e.5 Transportation Technologies | | | | | | |
| 3.4e.7 Construction Technologies | | | | | | |
| | | | <i>Outcomes Framework – Science Knowledge and Skills: Scientific Skills and Methods; Conceptual Knowledge of Natural and Physical World</i> | | | |

Standard 4.1: Environment and Ecology

| Strands | | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS – R | PA Academic Standards | Core Body of Knowledge |
|---------|--|------------------------------|--------------------------------------|---|-----------|-----------------------|---|
| 4.1 | Watersheds and Wetlands | 2.F.01, 2.G.08, 2.G.09 | | 1304.21 (a)(4)(i) 1304.21 (c)(1)(i) 1304.21 (c)(1)(ii) 1304.21 (c)(1)(v) <i>Outcomes Framework – Science: Scientific Skills and Method, Conceptual Knowledge of Natural and Physical World</i> <i>Social Studies: Knowledge and Skills; People and the Environment</i> | #23, #25 | | K1-A, B, C, D, E, F K2-A, B, C, D, E, F, G |
| 4.2 | Renewable and Non-Renewable Resources | | | | | | |
| 4.3 | Environmental Health | | | | | | |
| 4.4 | Agriculture and Society | | | | | | |
| 4.6 | Ecosystems and their Interactions | | | | | | |
| 4.7 | Threatened, Endangered and Extinct Species | | | | | | |
| 4.8 | Humans and the Environment | | | | | | |
| 4.9 | Environmental Laws and Regulations | | | | | | |

Social Studies Thinking: Connecting to Communities

Standard 5.1: Principles and Documents of Government

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS – R | PA Academic Standards | Core Body of Knowledge |
|---|--|--------------------------------------|---|-----------|-----------------------|---|
| 5.1.1 Sources, Purpose and Functions of Law | 2.G.01, 2.G.02, 2.G.03, 2.G.04, 2.G.05, 2.G.06, | | 1304.21 (a)(4)(i) 1304.21 (c)(1)(i) 1304.21 (c)(1)(ii) 1304.21 (c)(1)(v) 1304.21 (c)(1)(vi) <i>Outcomes Framework – Social Studies Knowledge and Skills: Self-Family and Community</i> | | | K1-A, B, C, D, E, F K2-A, B, C, D, E, F, G |

Standard 5.2: Rights and Responsibilities of Citizenship

| Strands | | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS – R | PA Academic Standards | Core Body of Knowledge |
|---------|---|--|--------------------------------------|---|-----------|-----------------------|---|
| 5.2.1 | Civic Rights, Responsibilities and Duties | 2.G.01, 2.G.02, 2.G.03, 2.G.04, 2.G.05, 2.G.06, | | 1304.21 (a)(4)(i) 1304.21 (c)(1)(i) 1304.21 (c)(1)(ii) 1304.21 (c)(1)(v) 1304.21 (c)(1)(vi) | | | K1-A, B, C, D, E, F K2-A, B, C, D, E, F, G |
| 5.2.2 | Sources and Resolution of Conflict | | | | | | |
| 5.2.3 | Political Leadership and Public Service | | | | | | |

Standard 6.5: Work and Earnings

| Strands | | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS – R | PA Academic Standards | Core Body of Knowledge |
|---------|------------------------------|----------------------------|--------------------------------------|---|-----------|-----------------------|---|
| 6.5.1 | Factors Influencing Wages | 2.G.10 | | 1304.21 (a)(4)(i) 1304.21 (c)(1)(i) 1304.21 (c)(1)(ii) 1304.21 (c)(1)(v) 1304.21 (c)(1)(vi) | | | K1-A, B, C, D, E, F K2-A, B, C, D, E, F, G |
| 6.5.3 | Types of Businesses | | | | | | |
| 6.5.7 | Costs and Benefits of Saving | | | | | | |

Standard 7.1: Basic Geographic Literacy

| Strands | | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS – R | PA Academic Standards | Core Body of Knowledge |
|---------|--------------------|----------------------------------|---|---|-----------|--------------------------|---|
| 7.1.1 | Geographic Tools | 2.G.10 | | 1304.21 (a)(4)(i) 1304.21 (c)(1)(i) 1304.21 (c)(1)(ii) 1304.21 (c)(1)(v) 1304.21 (c)(1)(vi) | | | K1-A, B, C, D, E, F K2-A, B, C, D, E, F, G |
| 7.1.2 | Places and Regions | | | | | | |

Standard 7.2: Physical Characteristics of Places and Regions

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS – R | PA Academic Standards | Core Body of Knowledge |
|--------------------------------|----------------------------------|---|---|-----------|--------------------------|---|
| 7.2.1 Physical Characteristics | 2.G.10 | | 1304.21 (a)(4)(i) 1304.21 (c)(1)(i) 1304.21 (c)(1)(ii) 1304.21 (c)(1)(v) 1304.21 (c)(1)(vi) | | | K1-A, B, C, D, E, F K2-A, B, C, D, E, F, G |

Standard 7.3: Human Characteristics of Places and Regions

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS – R | PA Academic Standards | Core Body of Knowledge |
|-----------------------------|----------------------------------|---|---|-----------|--------------------------|---|
| 7.3.1 Human Characteristics | 2.G.10 | | 1304.21 (a)(4)(i) 1304.21 (c)(1)(i) 1304.21 (c)(1)(ii) 1304.21 (c)(1)(v) 1304.21 (c)(1)(vi) <i>Outcomes Framework – Social Studies: Knowledge and Skills: Self, Family and Community</i> | | | K1-A, B, C, D, E, F K2-A, B, C, D, E, F, G |

Standard 7.4: Interactions Between People and the Environment

| Strands | | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS – R | PA Academic Standards | Core Body of Knowledge |
|---------|--------------------------------------|----------------------------------|---|---|-----------|--------------------------|---|
| 7.4.1 | Impact of Physical Systems on People | 2.G.10 | | 1304.21 (a)(4)(i) 1304.21 (c)(1)(i) 1304.21 (c)(1)(ii) 1304.21 (c)(1)(v) 1304.21 (c)(1)(vi) | | | K1-A, B, C, D, E, F K2-A, B, C, D, E, F, G |
| 7.4.2 | Impact of People on Physical Systems | | | | | | |

Standard 8.1: Historical Analysis and Skills Development

| Strands | | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS – R | PA Academic Standards | Core Body of Knowledge |
|---------|---|----------------------------|--------------------------------------|---|-----------|-----------------------|---|
| 8.1.1 | Continuity and Change Over Time | 2.G.10 | | 1304.21 (a)(4)(i) 1304.21 (c)(1)(i) 1304.21 (c)(1)(ii) 1304.21 (c)(1)(v) 1304.21 (c)(1)(vi) | | | K1-A, B, C, D, E, F K2-A, B, C, D, E, F, G |
| 8.1.2 | Historical Comprehension and Interpretation | | | | | | |
| 8.1.3 | Research | | | | | | |

Health, Wellness and Physical Development

Standard 10.1 - 3: Health and Safe Practices

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS – R | PA Academic Standards | Core Body of Knowledge |
|--|---|--------------------------------------|---|---|-----------------------|--|
| 10.1 – 3.1 Fundamentals of Good Health | 2.I.06, 2.I.07, 2.I.08, 2.I.09 | | 1304.21(a)(6) 1304.21(a)(1)(v) 1304.21(c)(1)(iii) 1304.23(b)(3) 1304.23(c)(1) | #7, #8, #10, #13, #14, #19, #21, #29, | | K1-A, B, C K2-A, B, C, D, E, F, K7-A, B, G |
| 10.1 – 3.2 Body Awareness | | | | | | |
| 10.1 – 3.3 Safe Practices | | | | | | |
| 10.1 – 3.4 Nutrition | | | <p><i>Outcomes Framework – Physical Development and Health: Physical Health Status; Health Knowledge and Practice</i></p> | | | |

Standard 10.5: Concepts, Principles and Strategies of Movement: Fine Motor Development

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS - R | PA Academic Standards | Core Body of Knowledge |
|--|------------------------------|--------------------------------------|---|---------------------------------------|-----------------------|--|
| 10.5.1 Strength, Coordination and Muscle Control | 2.I.03, 2.I.04, 2.I.05 | | 1304.21(a)(5)(ii) 1304.21(b)(3)(iii) <i>Outcomes Framework – Physical Development and Health: Fine Motor Skills</i> | #7, #8, #10, #13, #14, #19, #21, #29, | | K1-A, B, C K2-A, B, C, D, E, F, K7-A, B, G |
| 10.5.2 Eye/Hand Coordination | | | | | | |
| 10.5.3 Use of Tools | | | | | | |
| | | | | | | |

Language and Literacy Development: Early Literacy Foundations: Reading, Writing, Speaking, and Listening

| Standard 1.1: Learning To Read Independently | | | | | | |
|--|----------------------------|--------------------------------------|---|--------------------|-----------------------|--|
| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS – R | PA Academic Standards | Core Body of Knowledge |
| 1.1.1 Purposes for Reading | 2.D.01, 2.D.04 | | 1304.21(a)(1)(i) 1304.21(a)(1)(iii) 1304.21(a)(3)(i)(E) 1304.21(a)(4)(i) 1304.21(a)(4)(iii) 1304.21(a)(4)(iv) 1304.21(c)(1)(ii) <i>Outcomes Framework – Literacy Knowledge and Skills: Book Appreciation and Knowledge; Phonological Awareness; Alphabet Knowledge; Print Concepts & Conventions</i> | #15, #16, #17, #18 | 1.1.PK.A | K1-C, K1-F, K2-D, K2-F, K5-A, K5-B, K5-C, K5-D |
| 1.1.2 Word Recognition Skills | | | | | 1.1.PK.B | |
| 1.1.3 Vocabulary Development | | | | | 1.1.PK.C | |
| 1.1.4 Comprehension and Interpretation | | | | | 1.1.PK.D | |
| 1.1.5 Fluency | | | | | 1.1.PK.E | |

Standard 1.2: Reading, Analyzing and Interpreting Text

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS – R | PA Academic Standards | Core Body of Knowledge |
|------------------------------------|--|---|---|-----------------------|--------------------------|---|
| 1.2.1 Text Analysis and Evaluation | 2.D.01, 2.D.03, 2.F.10, 2.F.11, | | 1304.21(a)(1)(i) 1304.21(a)(1)(iii) 1304.21(a)(3)(i)(E) 1304.21(a)(4)(i) 1304.21(a)(4)(iii) 1304.21(a)(4)(iv) 1304.21(c)(1)(ii) <i>Outcomes Framework – Literacy Knowledge and Skills: Book Appreciation and Knowledge</i> | #15, #16, #17, #18 | | K1-C, K1-F, K2-D, K2-F, K5-A, K5-B, K5-C, K5-D |
| 1.2.2 Text Organization | | | | | 1.2.PK.A | |
| 1.2.3 Fact and Opinion | | | | | 1.2..PK.B | |
| 1.2.5 Inferences | | | | | 1.2.PK.D | |

Standard 1.3: Reading, Analyzing and Interpreting Literature

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS - R | PA Academic Standards | Core Body of Knowledge |
|----------------------------------|--|---|---|-----------------------|--------------------------|---|
| 1.3.1 Analysis and Evaluation | 2.C.03, 2.C.04, 2.C.05, 2.C.06, 2.C.07 | | 1304.21(a)(1)(i) 1304.21(a)(1)(iii) 1304.21(a)(3)(i)(E) 1304.21(a)(4)(i) 1304.21(a)(4)(iii) 1304.21(a)(4)(iv) 1304.21(c)(1)(ii) <i>Outcomes Framework – Literacy Knowledge and Skills: Book Appreciation and Knowledge</i> | #15, #16, #17, #18 | | K1-C, K1-F, K2-D, K2-F, K5-A, K5-B, K5-C, K5-D |
| 1.3.2 Literary Genres | | | | | 1.3.PK.B | |
| 1.3.3 Literary Elements | | | | | 1.3.PK.A | |
| 1.3.4 Literary Devices | | | | | 1.3.PK.D | |

Standard 1.4: Types of Writing

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS – R | PA Academic Standards | Core Body of Knowledge |
|---------------------|---|---|---|-----------------------|--------------------------|---|
| 1.4.1 Narrative | 2.D.06, 2.D.07, 2.D.10, 2.D.11 | | 1304.21(a)(1)(i) 1304.21(a)(1)(iii) 1304.21(a)(3)(i)(E) 1304.21(a)(4)(i) 1304.21(a)(4)(iii) 1304.21(a)(4)(iv) 1304.21(c)(1)(ii) <i>Outcomes Framework – Literacy Knowledge and Skills: Early Writing</i> | #15, #16, #17, #18 | | K1-C, K1-F, K2-D, K2-F, K5-A, K5-B, K5-C, K5-D |
| 1.4.2 Informational | | | | | 1.4.PK.A 1.4.PK.B | |

Standard 1.5: Quality of Writing

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS – R | PA Academic Standards | Core Body of Knowledge |
|--------------------|---|---|---|-----------------------|--------------------------|---|
| 1.5.1 Focus | 2.D.06, 2.D.07, 2.D.10, 2.D.11 | | 1304.21(a)(1)(i) 1304.21(a)(1)(iii) 1304.21(a)(3)(i)(E) 1304.21(a)(4)(i) 1304.21(a)(4)(iii) 1304.21(a)(4)(iv) 1304.21(c)(1)(ii) <i>Outcomes Framework – Literacy Knowledge and Skills: Early Writing</i> | #15, #16, #17, #18 | 1.5.PK.A | K1-C, K1-F, K2-D, K2-F, K5-A, K5-B, K5-C, K5-D |
| 1.5.2 Content | | | | | 1.5.PK.B | |
| 1.5.3 Organization | | | | | | |
| 1.5.6 Convention | | | | | 1.5.PK.F | |

Standard 1.6: Speaking and Listening

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS – R | PA Academic Standards | Core Body of Knowledge |
|------------------------|----------------------------------|---|---|-----------------------|--------------------------|---|
| 1.6.1 Discussion | 2.D.01 | | 1304.21(a)(1)(i) 1304.21(a)(1)(iii) 1304.21(a)(3)(i)(E) 1304.21(a)(4)(i) 1304.21(a)(4)(iii) 1304.21(a)(4)(iv) 1304.21(c)(1)(ii) | #15, #16, #17, #18 | 1.6.PK.A | K1-C, K1-F, K2-D, K2-F, K5-A, K5-B, K5-C, K5-D |
| 1.6.2 Listening Skills | | | | | 1.6.PK.B | |
| 1.6.3 Discussion | | | | | | |
| 1.6.4 Presentation | | | | | | |

Standard 1.7: Characteristics and Functions of the English Language

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS – R | PA Academic Standards | Core Body of Knowledge |
|---|----------------------------------|---|---|-----------------------|--------------------------|---|
| 1.7.1 Communicating in More Than One Language | 2.D.04, 2.D.08, 2.D.09 | | 1304.21(a)(1)(i) 1304.21(a)(1)(iii) 1304.21(a)(3)(i)(E) 1304.21(a)(4)(i) 1304.21(a)(4)(iii) 1304.21(a)(4)(iv) 1304.21(c)(1)(ii) <i>Outcomes Framework – English Language Development: Receptive English Language Skills; Expressive English Language Skills; Engagement in English Literacy Activities</i> | #15, #16, #17, #18 | | K1-C, K1-F, K2-D, K2-F, K5-A, K5-B, K5-C, K5-D |

Standard 1.8: Research

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS – R | PA Academic Standards | Core Body of Knowledge |
|--|---|---|---|-----------------------|--------------------------|---|
| 1.8.1 Inquiry Based Process | 2.D.06, 2.D.07, 2.D.10, 2.D.11 | | 1304.21(a)(1)(i) 1304.21(a)(1)(iii) 1304.21(a)(3)(i)(E) 1304.21(a)(4)(i) 1304.21(a)(4)(iii) 1304.21(a)(4)(iv) 1304.21(c)(1)(ii) | #15, #16, #17, #18 | 1.8.PK.A | K1-C, K1-F, K2-D, K2-F, K5-A, K5-B, K5-C, K5-D |
| 1.8.2 Location of Information and Citing Sources | | | | | 1.8.PK.B | |
| 1.8.3 Organization and Production of Final Product | | | | | | |

Partnerships for Learning

Standard 20.1 Connections: Shared Understanding of Family and School Values, Philosophies and Cultures.

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS - R | PA Academic Standards | Core Body of Knowledge |
|-----------------------------------|--|--|--|-----------|-----------------------|--|
| 20.1.1 Information exchange | 1.A.01, 1.A.02, 1.A.03, 4.A.01, 4.A.03, 4.A.04, 4.B.01, 4.C.01, 4.E.01 | Learning Environment <i>Child</i> Learning Environment <i>Child</i> <i>Observation</i> | 1304.20 (b)(1) 1304.20 (b)(2) 1304.20 (b)(3) 1304.20 (b)(5) 1304.21 (c)(1) 1304.21 (c)(2) | #38 | | K3-A,C, D K4-A, B, C, D,E, K5-A, B, C, D |
| 20.1.2 Home to School Connections | | | | | | |
| 20.1.3 School to Home Connections | | | | | | |
| | | | | | | |

| | |
|---|--|
| Standard 20.3.1 Supporting Children's Learning | |
|---|--|

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS – R | PA Academic Standards | Core Body of Knowledge |
|---------------------------------|----------------------------|---|--|-----------|-----------------------|---|
| 20.3.1 Screening and Assessment | 7.C.05 | Partnerships with Family and Community <i>Parent Involvement</i> <i>Community Resources</i> | 1304.20 © 1304.20 (d) 1304.40 (b) 1304.40 (f) | | | K3-A,C, D K4-A, B, C, D,E K5-A, B, C, D |
| 20.3.2 Goal Development | | | | | | |
| 20.3.3 Ongoing Progress Review | | | | | | |
| 20.3.4 Community Supports | | | | | | |

Social and Emotional Development

| Standard 25.1 Self Concept (Identity) | | | | | | |
|---------------------------------------|------------------------------|--------------------------------------|--|-------------|-----------------------|--------------------------|
| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS - R | PA Academic Standards | Core Body of Knowledge |
| 25.1.1 Self Awareness | 2.G.01, 2.B.01, 2.B.03 | | 1304.21(c)(1)(i) 1304.21(c)(1)(ii) 1304.21(c)(1)(v) 1304.21(c)(1)(vi) 1304.24(a)(1)(vi) <i>Outcomes Framework – Social and Emotional Development: Self Concept and Self-Efficacy; Emotional Behavioral Health</i> | #4, #18, 19 | | K1-A, K1-C3, K2-A, K2-C3 |
| 25.1.2 Understanding Emotions | | | | | | |
| 25.1.3 Competence | | | | | | |

Standard 25.2 Self Regulation

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS – R | PA Academic Standards | Core Body of Knowledge |
|------------------------------|---|---|---|-----------------------|--------------------------|---------------------------|
| 25.2.1 Emotional Regulation | 1.F.01, 1.F.02, 2.B.01, 2.B.02 | | 1304.21(a)(3)(i) 1304.21(a)(3)(i)(B) 1304.21(a)(3)(i)(D) 1304.21(a)(3)(ii) | #14, #16, #18, #34 | | K2-A K2-C3 |
| 25.2.2 Behavioral Regulation | | | <i>Outcomes Framework – Social and Emotional Development: Self Regulation</i> | | | |

Standard 25.4 Pro-Social Relationships with Peers

| Strands | NAEYC Performance Criteria | Keystone Stars Performance Standards | Head Start Performance Standards | ECERS – R | PA Academic Standards | Core Body of Knowledge |
|----------------------------|--|---|--|--|--------------------------|---------------------------|
| 25.4.1 Social Identity | 1.B.03, 1.B.05, 1.C.01, 1.C.02, 1.C.04, 2.B.04, 2.B05, 2.B.06 | | 1304.21(a)(3)(i) 1304.21(a)(4)(iii) 1304.21(c) (1)(v) 1304.21(c)(1)(vii) | #29, #31, #32, #33, #34, #35,#36 | | K2-A, K2-C3 |
| 25.4.2 Respect and Empathy | | | <i>Outcomes Framework – Social and Emotional Development: Social Relationships</i> | | | |