

**CROSSWALK: INDIANA EARLY LEARNING STANDARDS AND  
EARLY LEARNING MATTERS (ELM) CURRICULUM AT PURDUE UNIVERSITY FOR PRESCHOOL-AGE CHILDREN**

Indiana Early Learning Standards	Early Learning Matters (ELM) Curriculum: 3 – 5 Years <a href="http://www.elmcurriculum.org">www.elmcurriculum.org</a>
<p>The process for this crosswalk</p> <ol style="list-style-type: none"> <li>1. Identifying and pairing of Indiana’s Early Learning domains to ELM Curriculum areas of development.</li> <li>2. Identifying and pairing of Indiana’s Early Learning standards to ELM Curriculum foundation skills.</li> <li>3. Identifying and pairing of Indiana’s Early Learning sub-standards to ELM Curriculum foundation skills and specific examples of activity plans, teaching strategies, and/or additional learning supports.</li> </ol>	
English/Language Arts	Language/Literacy
ELA1: Communication Process	Language/Literacy: Oral language
ELA1.1 Demonstrate receptive communication	Word knowledge (Weeks 2-50) Understand, comprehend, interpret book text and illustrations (beginning in Weeks 2-50)
ELA1.2 Demonstrate expressive communication	
ELA1.3 Demonstrate ability to engage in conversations	
ELA2: Early Reading	Language/Literacy: Letter knowledge, Phonological awareness, Print knowledge, Oral language
ELA2.1 Demonstrate awareness of the alphabet	Learning letters of the alphabet (Weeks 6-50)
ELA2.2 Demonstrate phonological awareness	Sounds (Weeks 1-3) Rhyming words (Weeks 4-6) Compound words (Weeks 8- 11) Syllables (Weeks 13-16) Beginning sounds (Weeks 17-23) Blending two sounds (Weeks 24-30) Initial Sound (Week 26) Taking away a sound (Weeks 30-31) Ending Sound (Weeks 33-35)
ELA2.3 Demonstrate awareness and understanding of the concept of print	Parts of a book and how books work (Week 1) Alphabet, letters, words (Week 6) Words form sentences (Week 7)

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ELA2.4 Demonstrate comprehension	Understand, comprehend, interpret book text and illustrations (beginning in Week 2)
<b>ELA2: Early Writing</b>	<b>Language/Literacy: Writing</b>
ELA3.1 Demonstrate mechanics of writing	Writing upper-case and lower-case letters (beginning Week 7) Recording (writing down) information and ideas in science journal (beginning Week 14- Science)
ELA 3.2 Demonstrate ability to communicate a story	Understand, comprehend, interpret book text and illustrations (Weeks 2-50)
<b>Mathematics</b>	<b>Mathematics</b>
<b>M1: Numeracy</b>	<b>Mathematics: Number knowledge</b>
M1.1 Demonstrate strong sense of counting	Counting Items (Weeks 1, 2, 6-8, 13, 22, 23, 27-29, 41) Verbal Counting (Week 3) 1-to-1 counting (Weeks 7-8, 46) Last number counted tells how many (Week 11-13, 49-50)
M1.2 Demonstrate understanding of written numerals	Numerals 0, 1, 2, 3, 4 (Week 13) Numerals 5, 6, 7, 8 (Week 16) Numerals 9, 10 (Week 17, 22) Numerals 1-20 (Weeks 35-36)
M1.3 Recognition of number relations	Groups of Items (Week 2-3, 6) Concepts of more and fewer (Weeks 3, 6) One more (Week 21, 23, 27, 37) Forming groups/compare groups (Weeks 11-13, 16) Numerals 1-20 (Week 35-36)
<b>M2: Computation and Algebraic Thinking</b>	<b>Mathematics: Number knowledge; Pattern knowledge</b>
M2.1 Exhibit understanding of mathematical structure	Concepts of more and fewer (Weeks 3, 6) One more (Week 21, 23, 27, 37) Splitting a group of items (Weeks 27-28) Adding (Weeks 31-34, 36, 39) Subtracting (Weeks 31-34, 40)
M2.2 Demonstrate awareness of patterning	Identifying and making ABAC (Week 14) Making and extending ABAB patterns (Week 15) Simple patterns (ABAB) (Weeks 19-20, 35)

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	Other kinds of patterns (AABAAB) (Week 19) Identifying patterns (Week 19) Pattern Review (Weeks 47-48)
<b>M3: Data Analysis</b>	<b>Mathematics: Measurement knowledge</b>
M3.1 Demonstrate understanding of classifying	Organizing information on a chart (Weeks 29-30)
<b>M4: Geometry</b>	<b>Mathematics: Geometric and spatial knowledge</b>
M4.1: Understanding of spatial relationships	Circle, square, triangle (Week 4) Rectangles and triangles (Weeks 5-6)
M4.2 Exhibit ability to identify, describe, analyze, compare, and create shapes	Four basic shapes (Weeks 9-10) Shapes (Weeks 30, 35, 36) Shape Review (Weeks 33-34)
<b>M5: Measurement</b>	<b>Self-Regulation: Self-Control; Social Studies: Concepts of time</b>
M5.1 Understand the concept of time	Routines (Week 1- Self-Regulation) Yesterday, today, and tomorrow; morning and afternoon (Week 31- Social Studies)
M5.2 Understand measurement through description and comparison	Measuring and comparing size (Weeks 24) Measuring length, height, weight; Ruler; Scales (Weeks 25, 26, 30)
<b>Science</b>	<b>Science</b>
<b>SC1: Physical Science</b>	<b>Science: Inquiry skills; Knowledge of living things</b>
SC1.1 Demonstrate ability to explore objects in the physical world	Observing, describing, comparing, predicting, experimenting, recording (Weeks 3-4) Five Senses (Weeks 8-9) Tools (Week 10)
SC1.2 Demonstrate awareness of the physical properties of objects	Characteristics of Living Things (Week 12)
<b>SC2: Earth and Space Science</b>	<b>Science: Knowledge of earth and space</b>
SC2.1 Recognize seasonal and weather-related changes	Day and Night (Week 38) Weather (Week 39) Seasons (Week 40)
<b>SC3: Life Science</b>	<b>Science: Knowledge of living things, habitats, life cycles</b>
SC3.1 Demonstrate awareness of life	Characteristics of living things (Week 12)

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SC3.2 Demonstrate awareness of the preservation, protection, and care of living creatures and plants	Animals, insects, and plants (Weeks 13-15) Life cycles: people, puppies and kittens, chickens and penguins, frogs, butterflies, bean plant (Weeks 19-23) Habitats: water, desert, forest, polar, rainforest, mountain (Weeks 32-34)
<b>SC4: Engineering</b>	<b>Science: Inquiry skills</b>
SC4.1 Demonstrate engineering design skills	Tools (Week 10) Moving around obstacles (Week 29- Physical/Health)
<b>SC5: Scientific Inquiry and Method</b>	<b>Science: Inquiry skills</b>
SC5.1 Demonstrate scientific curiosity	Observing, describing, comparing, predicting, experimenting, recording (Weeks 3-4)
<b>SC6: Computational Thinking</b>	<b>Science: Inquiry skills</b>
SC6.1 Demonstrate decomposition of larger tasks into smaller steps	Rules (Week 1- Self-Regulation) Routines (Week 2- Self-Regulation) Observing, describing, comparing, predicting, experimenting, recording (Weeks 3-4) Combination of physical movements (Week 22- Physical/Health) Moving around obstacles (Week 29- Physical/Health)
SC6.2: Demonstrate algorithmic thinking and debugging	Combination of physical movements (Week 22- Physical/Health) Moving around obstacles (Week 29- Physical/Health)
<b>Social Studies</b>	<b>Social Studies</b>
<b>SS1: Self</b>	<b>Social Studies: Positive sense of self; Appreciation of individual and family diversity; Knowledge of physical environments</b>
SS1.1 Demonstrate development of self	Same and different/ Unique (Weeks 1-3) Abilities and Adaptabilities (Week 4) Family uniqueness and special family activities (Weeks 5-7) Grandparents and older family members (Weeks 7-8) Different Cultures (Week 9) Types of homes/characteristics (Weeks 10-12) Neighborhoods, places in a neighborhood, and neighborhood maps (Weeks 13-15) Community (Week 16)
<b>SS2: History and Events</b>	<b>Social Studies: Concepts of time; Knowledge of social environments</b>
SS2.1 Demonstrate awareness of chronological thinking	Routines (Week 1- Self-Regulation)

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SS2.2 Demonstrate awareness of personal historical knowledge	Yesterday, today, and tomorrow; morning and afternoon (Week 31) Amounts of time; change over time (Week 32) Moving long ago (Week 33) Games played long ago (Week 34)
SS2.3 Demonstrate awareness of the foundations of government or authority	Community helpers (Week 22) Community helper tools (Week 23) Community helper uniforms (Week 24) Job Uniforms (Week 25) American Flag, Pledge, National Anthem (Week 28)
<b>SS3: Geography</b>	<b>Social Studies: Knowledge of social and physical environments</b>
SS3.1 Demonstrate awareness of the world in spatial terms	Geography (Weeks 19-20) Geographic characteristics (Week 21)
SS3.2 Demonstrate awareness of places and regions	Geography (Weeks 19-20) Geographic characteristics (Week 21)
<b>SS4: Economics</b>	<b>Social Studies: Knowledge of social and physical environments</b>
SS4.1 Demonstrate awareness of economics, spending, and making money	Economy: making and spending money (Week 35) Economy: needs and wants, help for families (Week 36)
<b>SS5: Citizenship</b>	<b>Social Studies: Knowledge of social environments</b>
SS5.1 Demonstrate awareness of citizenship	Rules and Laws (Week 26) Voting (Weeks 29-30)
<b>Student Wellbeing</b>	<b>Social-Emotional and Self-Regulation</b>
<b>SW1: Sense of Self</b>	<b>Social-Emotional: Emotion knowledge, Perspective-taking</b>
SW1.1 Demonstrate self-awareness and confidence	Different kinds of feelings; happy, silly, sad, angry, bored, disappointed, excited, shy, embarrassed, loved, disgusted, proud, scared, frustrated, nervous, lonely, guilty, thankful, different emotions (Weeks 10-25) Different situations, facial expressions, and emotions (Weeks 26-27) Another person's point of view (Week 28) Empathy (Weeks 29-31)
SW1.2 Demonstrate identification and expression of emotions	Emotional Knowledge activities (Weeks 10-25) Different situations, facial expressions, and emotions (Weeks 26 and 27)

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	Empathy (Weeks 29-31)
<b>SW2: Self-Regulation</b>	<b>Self-Regulation: Self-Control</b>
SW2.1 Demonstrate self-control	Routines (Week 1) Rules (Week 2) Listening and waiting for a turn (Week 3) Stop and think (Week 5) Wait patiently (Weeks 6-7)
<b>SW3: Conflict Resolution</b>	<b>Social-Emotional: Relationship skills</b>
SW3.1 Demonstrate conflict resolution	Sharing an item (Week 3) Social problem solving (Weeks 5-6)
<b>SW4: Building Relationships</b>	<b>Social-Emotional: Relationship skills</b>
SW4.1 Demonstrate relationship skills	Types of play (Week 1) Asking to play (Weeks 1-2) Sharing an item (Week 3) Cooperating (Week 4)
<b>Approaches to Play &amp; Learning</b>	<b>Self-Regulation; Social Emotional</b>
<b>APL1: Initiative and Exploration</b>	<b>Self-Regulation: Self-control; Social-Emotional: Personal responsibility</b>
APL1.1 Demonstrate initiative and self-direction	Stop and think (Week 5) Goal (Week 32) Making decisions (Week 33) Making good choices (Week 34)
APL1.2 Demonstrate interest and curiosity as a learner	The ELM Curriculum provides opportunities for children to learn through responsive interactions and child-initiated, staff-led, and guided play learning experiences. ELM activities include the use of developmentally appropriate teaching strategies such as acknowledging children’s abilities and explorations and encouraging children’s curiosities and interests. Additionally, staff are encouraged to adapt and individualize all ELM activities to support meaningful learning by providing challenging and achievable experiences to each child.
<b>APL2: Flexible Thinking</b>	<b>Self-Regulation: Executive function</b>
APL2.1 Demonstrate development of flexible thinking during play	To promote children’s executive function skills, ELM offers 12 different circle time games such as the <i>Freeze Game</i> throughout the curriculum beginning in Week 8 and

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	<p>repeated (Weeks 9, 12, 13, 15, 16, 18, 19, 21, 22, 24, 25, 27, 28, 30, 31, 33, 34, 36, 44-50) with incremental increases in challenge to:</p> <ul style="list-style-type: none"> <li>• focus on and remember a set of requests.</li> <li>• attend carefully to verbal or aural cues that signal when to carry out a particular action.</li> <li>• successfully switch an action when a rule changes</li> </ul>
<b>APL3: Attentiveness and Persistence</b>	<b>Self-Regulation: Self-control; Concentrate</b>
APL3.1 Demonstrate development of sustained attention and persistence	<p>Listening and talking (Week 3)  Paying attention (Week 4)  Stop and think (Week 5)  Waiting patiently (Weeks 6 –7)</p>
<b>APL4: Social Interactions</b>	<b>Social-Emotional: Relationship skills; Self-Regulation: Executive function</b>
APL4.1 Demonstrate development of social interactions during play	<p>Types of play (Week 1)  Asking to play (Weeks 1-2)  Sharing an item (Week 3)  Cooperating (Week 4)  Watching and taking turns (Week 18-19,21-22,45-46)  Focusing and taking turns (Week 24, 27)  Listening and taking turns (Week 27)</p>
<b>Creative Arts</b>	<b>Creative Expression</b>
<b>CA1: Music</b>	<b>Creative Expression: Skills that support creative expression; Knowledge of creative processes</b>
CA1.1 Demonstrate creative music expression	<p>Dance movements (Week 11)  Songs (Week 16)  Beat (Week 18)  Music (Week 24)</p>
<b>CA2: Dance</b>	<b>Creative Expression: Skills that support creative expression; Knowledge of creative processes</b>

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CA2.1 Demonstrate creative movement expression	Dance movements (Week 11, 25) Musical Instruments (Week 16-17) Instrumental music (Week 18) Songs (Week 16) Marching Band and Beat (Week 18) Music and Dancing (Week 24)
<b>CA3: Visual Arts</b>	<b>Creative Expression: Skills that support creative expression; Knowledge of creative processes; Appreciation of art, music, drama, and dance</b>
CA3.1 Demonstrate creative expression through the visual art process or experience	Creating art (Week 5) Using lines (Week 35) Using shapes and color (Week 36)
CA3.2 Demonstrate creative expression through visual art production and presentation	Tools for painting, drawing, and sculpting (Week 7) Using tools to create a painting, drawing, and sculpture (Week 7) Designing books (Week 37)
CA3.3 Demonstrate creative expression through art appreciation	Forms of creative expression (Week 1) Creative ideas (Week 2) Types of Art (Week 5, 48) Art tools (Week 6) Art in different places (Week 49) Using art to tell a story (Week 50)
<b>CA4: Dramatic Play</b>	<b>Creative Expression: Skills that support creative expression; Knowledge of creative processes</b>
CA4.1 Demonstrate creative expression through dramatic play	Imitating (Weeks 29 and 31) Pretending (Week 30) Props (Week 31) Telling stories (Week 41) Using puppets (Week 42)
<b>Physical Education</b>	<b>Physical/Health, Science</b>
<b>PHG1: Health and Safety</b>	<b>Physical/Health: Good health practices</b>



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PHG1.1 Demonstrate development of healthy practices	Germs (Weeks 1-2) Handwashing (Week 1) Oral Health (Week 11) Rest and Sleep (Week 13)
PHG1.2 Demonstrate development of safety practices	Safety rules and routines (Week 3)
PHG1.3 Demonstrate development of nutrition awareness	Different types of farms food comes from (Week 19) Five different kinds of healthy foods (Week 20) Healthy foods (Weeks 20, 24, 25, 42) Where does food come from (Week 41)
<b>PHG2: Senses</b>	<b>Science: Inquiry skills; Physical/Health: Motor development</b>
PHG2.1 Demonstrate how the five senses support processing information	Five Senses (Weeks 8-9- Science)
PHG2.2 Demonstrate development of body awareness and physical activity	Walking and Marching (Weeks 4, 5) Gallop (Weeks 6, 37) Hopping (Weeks 7, 37, 43) Balancing (Weeks 8-10, 38) Turning (Weeks 9, 38) Bending (Weeks 10, 38) Muscles and exercising (Week 12) Running and Jogging (14) Jogging and Walking (Week 15) Jumping and Landing (Weeks 21, 43) Combinations of physical movements (Weeks 22, 43) Shifting weight (Weeks 23, 45) Moving around obstacles (Weeks 29, 49) Skipping (Week 30) Body Parts (Week 35) Bones (Week 36)
<b>PHG3: Motor Skills</b>	<b>Physical/Health: Motor development; Good health practices</b>

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<p>PHG3.1 Demonstrate development of fine and gross motor coordination</p>	<p><b>Fine Motor</b>            Simple patterns (using blocks and beads; Weeks 19-20- Mathematics)            Fine motor skills (using clothespins and fingers; Week 25)            Counting items (using fingers; beginning Week 1- Mathematics)            Using tools to create art, painting, drawing, and sculpture (Weeks 6-7 – Creative Expression)</p> <hr/> <p><b>Gross Motor</b>            Walking and Marching (Weeks 4-5)            Galloping (Weeks 6, 37, 49)            Hopping (Weeks 7, 37, 43)            Balancing (Weeks 8-10, 38)            Turning (Weeks 9, 38)            Bending (Weeks 10, 38)            Muscles and exercising (Week 12)            Running and Jogging (Week 14)            Jogging and Walking (Week 15)            Throwing (Weeks 16-18, 32, 39-40)            Catching (Weeks 17, 39-40)            Jumping and Landing (Weeks 21, 43)            Combinations of physical movements (Weeks 22, 44)            Shifting Weight (Weeks 23, 45)            Rolling our bodies (Weeks 28, 45)            Skipping (Weeks 30, 49)            Kicking (Weeks 31-32, 50)            Practicing different movements (Week 32)</p>
<p>PHG3.2 Demonstrate development of oral motor skills</p>	<p>Oral Health (Week 11)            Dentist (Week 34)</p>
<p><b>PHG4: Personal Care</b></p>	<p><b>Good health practices</b></p>
<p>PHG4.1 Demonstrate increased independence in personal care routines</p>	<p>Handwashing (Week 1)            Oral Health (Week 11)            Rest and Sleep (Week 13, 42)</p>

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	Doctor and Dentist (Week 34) First aid kit (Week 36)
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