



**Kindergarten Individual Development Survey (KIDS)  
Correspondence to Illinois Learning Standards:  
The KIDS Cognition: Science (COG: SCI) Domain and the Illinois Early Learning  
and Development Standards (IELDS)**

The alignment of the COG: SCI measures in the KIDS<sup>1</sup> with the Illinois Early Learning and Development Standards (IELDS) for Science indicates a significant correspondence in structure and content. The four measures in the KIDS COG: SCI domain cover key concepts and skills in the IELDS for science, as well as other related standards in the domains of Mathematics and Physical Development and Health. The foundational concepts and skills in the Illinois Early Learning and Development Standards include the use of practices of science to answer questions, solve problems, make predictions, collect data and information, and explore concepts and information about the physical, earth, and life sciences. The following table shows correspondences between the KIDS measures and the IELDS.

**Correspondence between the KIDS Instrument and  
the Illinois Early Learning and Development Standards**

KIDS Measure	Illinois Early Learning and Development Standards (IELDS)	KIDS Measure Corresponds with IELDS in the Following Ways:
<p><b>COG: SCI 1: Cause and Effect</b></p> <p><b>Definition:</b> Child demonstrates an increasing ability to observe, anticipate, and reason about the relationship between cause and effect.</p>	<p><b>Learning Standard 11.A</b></p> <p>Demonstrate curiosity about the world and begin to use the practices of science and engineering to answer questions and solve problems.</p> <p><b>Learning Standard 12.D</b></p> <p>Explore concepts of force and motion.</p>	<p>Child demonstrates ability to generate explanations and communicate ideas or conclusions about his or her investigation <b>(11.A)</b>.</p> <p>Child describes the effects of forces in nature. Additionally, the child explores the effect of force on objects in and outside the early childhood environment <b>(12.D)</b>.</p>
<p><b>COG: SCI 2: Inquiry Through Observation and Investigation</b></p> <p><b>Definition:</b> Child observes and investigates objects (living and</p>	<p><b>Learning Standard 10.A</b></p> <p>Generate questions and process for answering them.</p>	<p>Child demonstrates ability to come up with meaningful questions through gathering information (i.e., data) about him- or herself and his or her</p>

<sup>1</sup> Desired Results Developmental Profile-Kindergarten for the Kindergarten Individual Development Survey



KIDS Measure	Illinois Early Learning and Development Standards (IELDS)	KIDS Measure Corresponds with IELDS in the Following Ways:
<p>nonliving things) and events in the environment and becomes increasingly sophisticated in pursuing knowledge about them.</p>		<p>environments with the assistance of a teacher <b>(10.A)</b>.</p>
<p><b>COG: SCI 2: Inquiry Through Observation and Investigation (cont.)</b></p> <p><b>Definition:</b> Child observes and investigates objects (living and nonliving things) and events in the environment and becomes increasingly sophisticated in pursuing knowledge about them.</p>	<p><b>Learning Standard 10.B</b></p> <p>Organize and describe data and information.</p> <p><b>Learning Standard 11.A</b></p> <p>Demonstrate curiosity about the world and begin to use the practices of science and engineering to answer questions and solve problems.</p> <p><b>Learning Standard 12.C</b></p> <p>Explore the physical properties of objects</p> <p><b>Learning Standard 13.B</b></p> <p>Use tools and technology to assist with science and engineering investigations.</p>	<p>Child demonstrates ability to make predictions about outcomes prior to collecting information <b>(10.B)</b>.</p> <p>Child uses science practices such as observing, asking questions, solving problems, and drawing conclusions <b>(11.A)</b>.</p> <p>Child engages in explorations of objects in the environment <b>(12.C)</b>.</p> <p>Child uses scientific tools to engage in complex investigations of objects and events in the environment <b>(13.B)</b>.</p>
<p><b>COG: SCI 3: Documentation and Communication of Inquiry</b></p> <p><b>Definition:</b> Child develops the capacity to describe and record observations and investigation about objects (living and nonliving things) and events, and</p>	<p><b>Learning Standard 10.B</b></p> <p>Organize and describe data and information.</p> <p><b>Learning Standard 11.A</b></p> <p>Demonstrate curiosity about the world and begin to use the practices of science and</p>	<p>Child demonstrates ability to organize, analyze, and describe data through pictures and graphs with the help of a teacher <b>(10.B)</b>.</p> <p>Child demonstrates ability to collect, describe, compare, and record information from observations and investigations <b>(11.A)</b>.</p>



KIDS Measure	Illinois Early Learning and Development Standards (IELDS)	KIDS Measure Corresponds with IELDS in the Following Ways:
to share ideas and explanations with others.	engineering to answer questions and solve problems.	
<p><b>COG: SCI 4: Knowledge of the Natural World</b></p> <p><b>Definition:</b> Child develops the capacity to understand objects (living and nonliving things) and events in the natural world, including how they change and their characteristics.</p>	<p><b>Learning Standard 12.A</b></p> <p>Understand that living things grow and change.</p> <p><b>Learning Standard 12.B</b></p> <p>Understand that living things rely on the environment and/or others to live and grow.</p> <p><b>Learning Standard 12.E</b></p> <p>Explore concepts and information related to the earth, including ways to take care of our planet.</p> <p><b>Learning Standard 12.F</b></p> <p>Explore changes related to the weather and seasons.</p> <p><b>Learning Standard 17.A</b></p> <p>Analyze and explain characteristics and interactions of the earth’s physical system.</p> <p><b>Learning Standard 17.B</b></p>	<p>Child shows an understanding of living and nonliving objects and events in the natural world <b>(12.A, 12.B, 12.E, 12.F, 17.A and 17.B)</b></p> <p>Child demonstrates ability to describe and explain factors that influence various aspects of health <b>(22.B)</b>.</p>



KIDS Measure	Illinois Early Learning and Development Standards (IELDS)	KIDS Measure Corresponds with IELDS in the Following Ways:
<p><b>COG: SCI 4: Knowledge of the Natural World (cont.)</b></p> <p><b>Definition:</b> Child develops the capacity to understand objects (living and nonliving things) and events in the natural world, including how they change and their characteristics.</p>	<p>Analyze and explain characteristics and interactions of the Earth’s physical systems.</p> <p><b>Learning Standard 22.B</b></p> <p>Describe and explain the factors that influence health among individuals, groups, and communities.</p> <p><b>Learning Standard 22.C</b></p> <p>Explain how the environment can affect health.</p> <p><b>Learning Standard 23.C</b></p> <p>Describe factors that affect growth and development.</p>	<p>Child’s level of understanding what is required for survival is emerging based on his or her understanding of events in the natural world <b>(22.C)</b>.</p> <p>Child is broadly knowledgeable about the fact that people need to survive <b>(23.C)</b>.</p>

**IELDS Goal(s) or Learning Standard(s) not addressed by KIDS Domain**

- Learning Standard 10.C: Determine, describe, and apply the probabilities of events.
- Learning Standard 13.A: Understand rules to follow when investigating and exploring.