

Science Crosswalk

This document provides teachers a crosswalk of the revised IELDS Science Standards with the current IELDS-K Science Standards. The Next Generation Science Standards (NGSS) and the Illinois Learning Standards for Science (K-12) were consulted in revising the IELDS Science Standards.

School districts must begin implementing the NGSS at the start of the 2016-17 school year. Complete alignment of the IELDS Preschool Science Standards and the NGSS-K will be available before the end of October 2015.



Illinois Early Learning and Development Standards	Illinois Early Learning Standards Kindergarten
<p>Goal 11: Demonstrate curiosity about the world and begin to use the practices of science and engineering to answer questions and solve problems.</p>	<p>State Goal 11: Understand the processes of scientific inquiry and technological design to investigate questions, conduct experiments and solve problems.</p>
<p>Standard 11.A: Develop beginning skills in the use of science and engineering practices, such as observing, asking questions, solving problems, and drawing conclusions.</p> <p>See Preschool Standard 13.B <i>for a comparable standard.</i></p>	<p>Standard A: Know and apply the concepts, principles and processes of scientific inquiry.</p> <p>Standard B: Know and apply the concepts, principles and processes of technological design.</p>
<p>GOAL 12 Explore concepts and information about the physical, earth, and life sciences.</p>	<p>Goal 12: Understand the fundamental concepts, principles and interconnections of the life, physical and earth/space sciences.</p>
<p>Standard 12.A Understand that living things grow and change.</p> <p>Standard 12.B Understand that living things rely on the environment and/or others to live and grow.</p> <p>Standard 12.C Explore the physical properties of objects.</p> <p>Standard 12.D Explore concepts of force and motion.</p> <p>Standard 12.E Explore concepts and information related to the Earth, including ways to take care of our planet.</p> <p>Standard 12.F Explore changes related to the weather and seasons.</p>	<p>Standard A: Know and apply concepts that explain how living things function, adapt and change.</p> <p>Standard B: Know and apply concepts that describe how living things interact with each other and with their environment.</p> <p>Standard C: Know and apply concepts that describe properties of matter and energy and the interactions between them.</p> <p>Standard D: Know and apply concepts that describe force and motion and the principles that explain them.</p> <p>Standard E: Know and apply concepts that describe the features and processes of the Earth and its resources.</p> <p>Standard F: Know and apply concepts that explain the composition and structure of the universe and the Earth's place in it.</p>
<p>GOAL 13 Understand important connections and understandings in science and engineering.</p>	<p>Goal 13: Understand the relationships among science, technology and society in historical and contemporary contexts.</p>
<p>Standard 13.A Understand rules to follow when investigating and exploring.</p> <p>Standard 13.B Use tools and technology to assist with science and engineering investigations.</p> <p><i>No comparable preschool standard.</i></p>	<p>Standard A: Know and apply the accepted practices of science.</p> <p>See Kindergarten Standard 11.B <i>for a comparable standard.</i></p> <p>Standard B: Know and apply concepts that describe the interaction between science, technology and society.</p>