

**Urbana School District #116**  
**KINDERGARTEN CORE EXPECTATIONS**

**SCIENCE**

Illinois State Goal 11: Understand the processes of scientific inquiry and technological design to investigate questions, conduct experiments and solve problems.

State Standard	District Core Expectations
11A: Know and apply the concepts, principles, and processes of scientific inquiry.	<ul style="list-style-type: none"> <li>• Use equipment and materials safely</li> <li>• Describe patterns that are observed</li> <li>• Ask questions about science</li> <li>• Guess what will happen based on observations</li> </ul>
11B: Know and apply the concepts, principles and processes of technological design.	NA

Illinois State Goal 12: Understand the fundamental concepts, principles and interconnections of the life, physical and earth/space sciences.

State Standard	District Core Expectations
12A: Know and apply concepts that explain how living things function, adapt and change.	<ul style="list-style-type: none"> <li>• Match sense organs to their sense</li> <li>• Use my sense organs to explore</li> <li>• Group things that are alive and things that are not alive</li> <li>• Group living things based on how they look</li> <li>• Describe the basic life cycle of an animal or plant</li> </ul>
12B: Know and apply concepts that describe how living things interact with each other and with their environment.	<ul style="list-style-type: none"> <li>• Tell what living things need to live</li> </ul>
12C: Know and apply concepts that describe properties of matter and energy and the interactions between them.	<ul style="list-style-type: none"> <li>• Tell what things look like</li> <li>• Compare the ways different objects look and feel</li> <li>• Group objects as similar or different based on how they look and feel</li> </ul>
12D: Know and apply concepts that describe force and motion and the principles that explain them.	N/A
12E: Know and apply concepts that describe the features and processes of the Earth and its resources.	<ul style="list-style-type: none"> <li>• Tell what the weather is like</li> <li>• Name the seasons</li> <li>• Tell how each season is different</li> <li>• Point to land and water on a globe or map</li> <li>• Talk about why it is good to recycle</li> </ul>
12F: Know and apply concepts that explain the composition and structure of the universe and Earth's place in it.	<ul style="list-style-type: none"> <li>• Identify the earth, moon, sun and sky</li> </ul>

Illinois State Goal 13: Understand the relationships among science, technology and society in historical and contemporary contexts.

State Standard	District Core Expectations
13A: Know and apply the accepted practices of science.	<ul style="list-style-type: none"> <li>• Describe patterns that are observed</li> <li>• Ask questions about science</li> <li>• Guess what will happen based on observations</li> </ul>

13B: Know and apply concepts that describe the interaction between science, technology and society.	• Tell how he/she uses technology
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Revised 7/06