

**Wilmette Public Schools, District 39
Science Curriculum, Kindergarten**

Unit: Properties of Living Things

Essential Question: How can I sort and organize my world?

Time Frame (in weeks): 6 (hour daily) **or 12 weeks** (30 mins. daily)

VOCABULARY: organism, classify, observe, explain, identify, sort, fair test, external body coverings, movement, location, size

National Standards or Core Standards

Organisms have characteristic structures and functions to support life processes.

Organisms have mechanisms and processes for passing traits and variations of traits from one generation to the next.

Guiding Questions	Big Ideas of Science	Knowledge and Skills	Teaching Resources & Technology
<p>In what ways can you sort or group living things/organisms?</p> <p>Describe how and why you group living things/organisms?</p> <p>Explain another student's system of sorting.</p> <p>What are our safety rules?</p> <p>How many ways can you measure living things/organisms? (non-standard)</p> <p>How does sorting living things/organisms relate to your life?</p>	<p>All living things have various external parts.</p> <p>Different animals use their body parts in different ways to see, hear, grasp objects, seek, find, and take in food and move from place to place.</p> <p>Plants also have different parts.</p> <p>Living things possess characteristics that can be recognized and described as either similar or different (# of legs, eye color, fur type, gender, shape, etc).</p> <p>Living things can be grouped by observable characteristics.</p> <p>Living things can be grouped in more than one way.</p> <p>Systems of grouping are used throughout our world.</p>	<p>Formative Understandings</p> <p>Classify living things by observable characteristics</p> <p>Classify living things in more than one way</p> <p>Explain rationale for grouping</p>	<p>National Geographic</p> <p>Kindergarten Science Methods and Process Skills Big Book</p> <p>Kindergarten Science Methods and Process Skills Teacher's Guide</p> <p>Living Things Classroom Set with Science Inquiry Kit</p> <p>What Parts Do Animals Have?</p> <p>Different Trees 8-pack</p> <p>Lakeshore Learning</p> <p>All About Animals Photo Library</p> <p>Best-Buy Tub of Animals</p>

Scientific and Engineering Practices	CONNECTED/ 21st Century Learning
<p>Scientists observe, record, measure, and analyze data to acquire evidence.</p> <p>Scientists use tables and graphs to identify patterns and relationships within data.</p> <p>Scientists develop claims based on their evidence.</p> <p>Scientists embrace unexpected results.</p>	<p>Technology</p> <p>SMART board for compiling data</p> <p>Collaboration</p> <p>Peer teams to identify sorting systems</p>