

Old Town School Department's Science Curriculum

Topic, Unit, Theme or Process All Units Grade Level/Course K Page _____

Essential Understanding PI

Essential Question How are toys and pictures of objects similar to the real things they represent?

Maine LEARNING RESULTS Links (Standard and PI)	Introduce (I) Mastery (M) or Review (R)	Activities	Resources	Assessments
<p>A2 Models</p> <p>Students identify <i>models</i> and the objects they represent to learn about their features.</p> <p><input type="checkbox"/> a. Describe ways in which toys and pictures are like the real things they model.</p>	I	<p>Oral Language based lessons</p> <p>Observations of toys and pictures</p>	<p>toys models books</p>	

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Essential Understanding PI

Essential Question What is the difference between the natural and designed worlds?

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<p>C2 Understanding about Science and Technology</p> <p>Students recognize that people have always engaged in science and technology and that there is a difference between the natural and designed worlds.</p> <p><input type="checkbox"/> b. Distinguish between objects that occur in nature and objects that are man-made.</p>	I	<p>Trees Discovery Kit</p> <p>Outdoors</p> <p>Wood FOSS Kit</p> <p>Observations and discussions of natural vs. man-made</p> <p>in our immediate school "world" (School vs. UM woods)</p>	<p>Trees Discovery Kit</p> <p>Wood FOSS Kit</p> <p>UMO woods</p> <p>Man-made objects</p> <p>literature</p>	

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<p>D1 Universe and Solar System</p> <p>Students describe the movement of objects across the sky, as seen from Earth.</p> <p><input type="checkbox"/> a. Describe how the sun and moon seem to move across the sky.</p>		<p>We don't cover this in Kindergarten at all</p>		

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<p>D4 Force and Motion</p> <p>Students describe how objects move in different ways.</p> <p><input type="checkbox"/> b. Give examples of things that make sound by vibrating.</p>		<p>Amanda Marquis is going to teach D4b to all students in K-2. She has agreed to this addition.</p>		

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Essential Question What do plants need to survive? _____

Maine LEARNING RESULTS Links (Standard and PI)	Introduce (I) Mastery (M) or Review (R)	Activities	Resources	Assessments
<p>E3 Cells</p> <p>Students describe parts and wholes of living things, their basic needs, and the structures and processes that help them stay alive.</p> <p><input type="checkbox"/> b. List the basic things that most organisms need to survive.</p>	I	<p>Plant unit Nature walks Trees Discovery Kit</p>	<p>Technology Magnifying glasses/microscopes Non-fiction literature UM woods Trees Discovery Kit</p>	