

**AMHERST PUBLIC AND PELHAM ELEMENTARY SCHOOLS – CURRICULUM OVERVIEW**

**SUBJECT: SCIENCE**  
**GRADE: KINDERGARTEN**

Units	Enduring Understandings	Skills
CATERPILLAR TO BUTTERFLY	<p>Insects are alive. To stay alive, insects need air, water, food and protection.</p> <p>Butterflies start as eggs, hatch into caterpillars, eat and grow, change into butterflies, then lay new eggs.</p> <p>Caterpillars and butterflies see, hear, feel and taste.</p>	<p>Demonstrate awareness of safety and of appropriate behavior.</p> <p>Cooperate to get the work done.</p> <p>Pose questions relating to the science topic studied.</p> <p>Follow directions to conduct a simple scientific test or to solve a problem.</p>
WOOD AND PAPER	<p>Wood is a resource that comes from trees. Paper is made from wood.</p> <p>Wood and paper have observable properties.</p> <p>Many objects are made from wood and paper.</p> <p>Some objects occur in nature. Others are made by people.</p> <p>Recycling paper extends the use of trees.</p>	<p>Make predictions.</p> <p>Make careful observations.</p> <p>Record observations using pictures, words, and charts.</p> <p>Talk about discoveries and listen to other investigators in a teacher-guided class discussion.</p> <p>Agree or disagree respectfully.</p> <p>Sort items into groups with shared properties.</p> <p><b>Tools:</b> hand lens, sandpaper, balance scale.</p>
FLOAT AND SINK	<p>Some solid objects sink in water; some objects float.</p> <p>Heavier objects are more likely to sink. Lighter objects are more likely to float.</p> <p>Objects that float can be changed in ways that cause them to sink.</p> <p>Objects that sink can be changed in ways that cause them to float.</p>	