

## Second Grade – Science

[http://www.sad44.org/curriculum/Science/sciencek\\_2.pdf](http://www.sad44.org/curriculum/Science/sciencek_2.pdf)

	Quarter 1	Quarter 2	Quarter 3	Quarter 4
<b>Unit (order will vary)</b>	<b>Life Cycles</b>	<b>Solids and Liquids</b>	<b>Motion</b>	<b>The Environment</b>
<b>Strands</b>	Classifying Life Forms (A) Cells (C) Continuity and Change (D)	Structure of Matter (E) The Earth (F)	Motion (I)	Ecology (B) Continuity and Change (D) The Universe (G) Scientific Reasoning (K) Communication (L)
<a href="http://www.state.me.us/education/lres/st.htm">http://www.state.me.us/education/lres/st.htm</a>				
<b>Activities</b>	Life Cycle of a Butterfly Observe different stages Compare to human and other organism stages	Compare solid, liquid, and gas Classify objects in variety of ways: color, size, texture, shape, material Observe and experiment with states of water: ice, snow, fog... Create observation graphs and charts Build models that show water and wind erosion	Trace and measure the movement of an object Describe types of motion Experiment with laws of motion Push and pull objects of various sizes, shapes and masses Fly a kite Swing Science journals	Show ways that humans can help or harm the environment Recycle in the classroom Read about endangered and extinct species Visit a recycling center
<b>Assessments</b>	Life Cycle Book  <a href="http://www.maptasks.org">http://www.maptasks.org</a>	Teacher made	Rolling and Sliding (optional) <a href="http://mainelad.org">http://mainelad.org</a>	Recycling and Resources (optional) <a href="http://mainelad.org">http://mainelad.org</a>
<b>Vocabulary</b>	Metamorphosis Stages: egg(larvae); pupa (chrysalis); adult Organism Develop Characteristics Molting/shedding Reproduce Butterfly Frog/toad Insect, Human, Plants	Solid, liquid, gas, expand, contract, precipitation, water cycle, mixture, characteristics, opaque, translucent, erode, foamy, bubbly, viscous, rigid, transparent, flexible, rough, smooth, pointed, soft, hard, watershed	Water, Air, Land, vessels, windsocks, vehicles, creatures, windmills, natural landforms, kites, Speed, direction, property, push, pull, energy, zigzag, fast, slow round and round back and forth	Extinction Fossil Preserved Museum Helpful/harmful Predator-prey Parasite-host Population Paleontologist

<b>Resources</b>	Life Cycle of a Butterfly Kit	Foss Kit: Solids and Liquids	Motion Kit	
<p><a href="http://www.sciencenetlinks.com/">http://www.sciencenetlinks.com/</a> This site is aligned by the benchmarks as well as the grade span. It also has a list of great resource sites to go to.</p> <p><a href="http://www.nasalearn.org/">http://www.nasalearn.org/</a> At present this site is under construction but it is to be aligned with the Maine <i>Learning Results</i>.</p> <p><a href="http://www.cloudnet.com/~edrbsass/edsci.htm">http://www.cloudnet.com/~edrbsass/edsci.htm</a> This site has lots of links to other science sites and resources.</p>				