

Third Grade Science

http://www.sad44.org/curriculum/Science/science3_4.pdf

	Quarter 1	Quarter 2	Quarter 3	Quarter 4
Unit (order will vary)	The Human Body	Space	Energy (Light, Heat, and Sound)	Classifying Groups
Strands	Cells (C) Continuity and Change (D)	The Earth (F) The Universe (G)	Energy (H) Implication of Science and Technology (M)	Classifying Life Forms (A) Ecology (B)
	http://www.state.me.us/education/lres/st.htm			
Activities	<ul style="list-style-type: none"> *Medical personnel *Guest speakers *Field trip to medical facility *Use Microscopes Depression slides Prepared slides Petri dishes *Human Body video 	<ul style="list-style-type: none"> *<i>Magic School Bus Lost in Space</i> video *Solar system models *Light: reflection experiments 	<ul style="list-style-type: none"> *Experiments *Because they have intuitive notions of energy (i.e.- energy is needed to get things done, humans get energy from food...) teachers can build on the intuitive notions of students without requiring them to memorize technical definitions. *Investigating heat must focus on changes in temperature. 	<ul style="list-style-type: none"> *Provide hands-on experience in grouping objects: buttons, cubes, rocks, etc. *Communicate how a group is different from another group. *Provide a variety of experiences of examples of living/non-living: plants, microscopic organisms. *Brainstorm a variety of ways to classify organisms into a variety of groups. *Nature hikes and/or field trips *Direct experience with living things, life cycles and habitats. *Include observations, interactions within the natural world. (Provide a variety of experiences)
Assessments	Cells Alive C1 (optional) Using a word bank, students will be able to identify body systems.	Map for an Alien (G1; K1; and L4) http://www.maptasks.org Earth's Movement G3 http://mainelad.org (Both are optional)	Teacher-made	Go Wild http://mainelad.org B1, also ELA

Vocabulary	Inherited Organ systems Adaptation Characteristics Cells Traits Survival Environment Organisms Randomly Interactions Species Reproduction	Climate Phenomena Seasons Energy Orbit Moon Erosion Spherical Tides Rotation Cycle Stars Phases Gravity Axis Revolution Planets	Vibration Tone Scientist Pitch Volume Inventor Decibel Energy Cultures	Classify Depends Food Chain Organisms Habitat Life Cycle Food Web External Ecosystem
Resources	Human Body video and books	United Video	Tuning forks Short stories, films, videos	Insight Kit: "Habitats" <i>All about Food Chains</i> <i>Ecosystems</i> Videos Magic School Bus videos and books
<p>http://www.sciencenetlinks.com/ 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>http://www.nasalearn.org/ At present this site is under construction but it is to be aligned with the Maine <i>Learning Results</i>.</p> <p>http://www.cloudnet.com/~edrbsass/edsci.htm This site has lots of links to other science sites and resources.</p>				