**SELECTED HABITAT & INQUIRY RESOURCES**

**From Science is Elementary (SIE).** Museum Institute for Teaching Science: Boston, MA. Activities related to “Habitat” include:

Volume 17: Exploring the Science & Math of Change

Issue No. 1: Climate Change

Section B. Weather Here and There; pp26-36

Activities 5-7 “Around the World,” “Where the Wild Things Are; People Places

Volume 17: Exploring the Science & Math of Change

Issue No. 4: Our Oceans

 Section C. Oceans Now and When; pp38-47

 Activities 8-10 “Bountiful Waters,” “Coral Reefs,” “Oceans at Risk”

Volume 18: CSI: Cycles, Systems, and Inquiry

Issue No. 1 In Our World

 Section A: The Perpetual Forest, pp. 14-22

 Activities 1-2: “From Seed to Tree,” “One Tree after Another”

Volume 18: CSI: Cycles, Systems, and Inquiry

Issue No. 3: The Breath of Life, pp.

 Section B: Living in a Sea of Air, pp.16-36

Activities 2-4: “What’s in the Air,” “The Green Factor,” “The Breathing In and Out”

 Section C: Living in the Water, pp. 26-36

Activities 5-7: “Fishy Features,” “In and Out of Water,” “Life in a Puddle”

**National Science Teachers Association (NSTA)**

Supports Professional Development at the Learning Center: <http://learningcenter.nsta.org/>

Collaborates with textbook publishers to provide SciLinks : <http://www.scilinks.org/>

*What is a Habitat?* Explanation of the concept and two activities

<http://www.bradwoods.org/eagles/habitat.htm>

**Teachers' Domain**

Massachusetts Teachers' Domain provides thousands of free digital media resources for classroom use and professional development. WGBH, WGBY and the Department of Elementary & Secondary Education will continue to align these resources to the evolving Massachusetts Curriculum

From Teacher’s Domain: <http://www.teachersdomain.org/>

*The Needs of Living Things:* includes Framework connections; “Biome in a bag;” Beaver clip, and more

**Formative Assessment**

*CmapTools*

Download at: <http://cmap.ihmc.us/conceptmap.html>

YouTube Tutorial on downloading CmapTools: <http://www.youtube.com/watch?v=oRrC9AIkD7Y>

* Massachusetts Science and Technology/Engineering Standards in Strand Map Form:

https://www.doemass.org/omste/maps/default.html?printscreen=yes&subsite=

 *Habitat Change,* a Probe from Page Keeley , Francis Eberle, and Joyce Tugel in Uncovering Student Ideas in Science 25 More Formative Assessment Probes, Vol 2, p.143.

**Bird Feeder Resources**

Webcam: <http://db1.auburnschl.edu/landlab/webcam/timelapse/>

Global live cams: <http://mysite.verizon.net/vdziadosz/feeders.htm>

Bird posters: <http://www.birds.cornell.edu/pfw/FreeDownloads.htm>

**Articles**

Everett, S. and R. Moyer. “Methods & Strategies: ‘Inquirize’ Your Teaching: A Guide to Turning your Favorite Activities into Inquiry Lessons*” Science and Children*. March, 2007. *“Hands-on activities” are not necessarily inquiry. The authors offer steps that can be applied to any demonstration activity in order to "inquirize-" or turn it into an inquiry investigation. Steps are based on the 5E model of inquiry and encourage students to engage in explaining phenomenon.*

Back, Shasta R. “EdZOOcating.” Science and Children. April, 2003. NSTA : Arlington, VA. *The program worked from a well-defined, structured,and organized curriculum based on specific national*

*science education standards and included multidisciplinary activities.*

I Wonder Circle*:* <http://www.sciencecompanion.com/wp-content/uploads/2009/01/iwondercircleposter.pdf>

**National Enviromental Education Curricula**

*Project Wet: p. Salt Marsh Players 99-106; Water Address 122-126; Macroinvertebrate Mayhem 322-327*

*Project Wild: Habitats, Ecosystems and Niches: pp.49-76*

*Project Learning Tree: Trees as Habitats pp.70-71; School Yard Safari pp.151-155; Field, Forest and Stream 156-159.*

*Project Wild Aquatic: Designing a Habitat pp. 19-20; Water Canaries pp. 24-28*