**Weblinks for literacy (articles) and technology strands ( Literacy goals and Technology)**

**Unit 1**- **Chemistry**

<http://www.middleschoolscience.com/news.htm> **Site linked to journals and articles**

<http://www.sciencenewsforkids.org/> **Site linked to journals and articles**

**The site below has many links to interactive chemistry sites for middle schools**

<http://schooltool.us/chemistry.html> **links to 18 chemistry technology sites**

<http://www.middleschoolchemistry.com/> **Many lessons for technology including lesson plans.**

<http://www.infoplease.com/chemistry/simlab/> **virtual chemistry simulations**

<http://www.uky.edu/Projects/Chemcomics/> **Chemcomics on different elements**

<http://www.middleschoolscience.com/notebook-5-2011-2012.htm> **website with links to several different science concepts**

**Unit 2-Ecology and the Environment**

<http://www.middleschoolscience.com/news.htm> **Site linked to journals and articles**

<http://www.sciencenewsforkids.org/> **Site linked to journals and articles**

<http://www.science-class.net/Ecology/ecosystems_biomes.htm> Many activities on ecology.

<http://www.neok12.com/Ecosystems.htm> **Interactive site with activities and videos on ecology**.

<http://www.mybookezz.org/ecology-interactive-websites-for-middle-school-science-1371/> **Website with guide of many sites**

<http://www.middleschoolscience.com/notebook-5-2011-2012.htm> **website with links to several different science concepts**

**Unit 3- Energy Resources**

<http://www.middleschoolscience.com/news.htm> **Site linked to journals and articles**

<http://www.sciencenewsforkids.org/> **Site linked to journals and articles**

<http://www.neok12.com/Natural-Resources.htm> **Site linked to technology and videos for natural resources**

<http://interactive-earth.com/resources/teacher-resources.html> **Links to interactive sites for technology**

<http://www.middleschoolscience.com/notebook-5-2011-2012.htm> **website with links to several different science concepts**

**Unit 4-Rocks and Fossils**

<http://www.middleschoolscience.com/news.htm> **Site linked to journals and articles**

<http://www.sciencenewsforkids.org/> **Site linked to journals and articles**

<http://www.middleschoolscience.com/notebook-5-2011-2012.htm> **website with links to several different science concepts**

<http://www.science-class.net/Geology/rocks_minerals.htm> **Rocks and minerals links and activities**

**Unit 5-Evolution**

<http://www.middleschoolscience.com/news.htm> **Site linked to journals and articles**

<http://www.sciencenewsforkids.org/> **Site linked to journals and articles**

<http://nsdl.org/resource-packages/evolution> **Everything you can think of on evolution of landforms and living things.**

**Unit 6-Diseases**

<http://www.middleschoolscience.com/news.htm> **Site linked to journals and articles**

<http://www.sciencenewsforkids.org/> **Site linked to journals and articles**

<http://www.diseasedetectives.org/links> **Site with links to activities and games**

**Unit 7-Biotechnology**

<http://www.middleschoolscience.com/news.htm> **Site linked to journals and articles**

<http://www.sciencenewsforkids.org/> **Site linked to journals and articles**

[www.ncbiotech.org](http://www.ncbiotech.org)

<http://ucbiotech.org/news/>

**Unit 8- Earth’s water and atmosphere**

<http://www.middleschoolscience.com/news.htm> **Site linked to journals and articles**

<http://www.sciencenewsforkids.org/> **Site linked to journals and articles**

<http://karenbrooksucboces.blogspot.com/2009/01/interactive-weather-and-water-cycle.html> **Site with multiple activities and sites for water**

<http://eduscapes.com/tap/topic86.htm> **Interactive activities and games**

**Unit 9-Water health and Human impact**

<http://www.middleschoolscience.com/news.htm> **Site linked to journals and articles**

<http://www.sciencenewsforkids.org/> **Site linked to journals and articles**

<http://karenbrooksucboces.blogspot.com/2009/01/interactive-weather-and-water-cycle.html> **Site with multiple activities and sites for water**

<http://eduscapes.com/tap/topic86.htm> **Interactive activities and games**

<http://www.nestle-watersna.com/en/csv/water-responsibility/Pages/advocating-for-the-importance-of-water.aspx?gclid=CLzaxp_08rcCFYVj7Aodb1sAQg> **Stewardship and water conservation resource**

**Technology Standards:**

* 8. SI.1: Research relevant topics, use graphic organizers, and evaluate the validity of non-fiction science resources both online and in text.
* 8. TT.1: Use technology tools to organize information and explore new ways to communicate with peers and teachers.
* 8. RP.1: Cooperative and individual research activities using online resources.
* 8. SE.1: Learn safe practices when using online resources and the proper way to summarize retrieved information.

Literacy Standards

* [CCSS.ELA-Literacy.RST.6-8.1](http://www.corestandards.org/ELA-Literacy/RST/6-8/1/) Cite specific textual evidence to support analysis of science and technical texts.
* [CCSS.ELA-Literacy.RST.6-8.2](http://www.corestandards.org/ELA-Literacy/RST/6-8/2/) Determine the central ideas or conclusions of a text; provide an accurate summary of the text distinct from prior knowledge or opinions.
* [CCSS.ELA-Literacy.RST.6-8.3](http://www.corestandards.org/ELA-Literacy/RST/6-8/3/) Follow precisely a multistep procedure when carrying out experiments, taking measurements, or performing technical tasks.

## Craft and Structure

* [CCSS.ELA-Literacy.RST.6-8.4](http://www.corestandards.org/ELA-Literacy/RST/6-8/4/) Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to grades 6–8 texts and topics.
* [CCSS.ELA-Literacy.RST.6-8.5](http://www.corestandards.org/ELA-Literacy/RST/6-8/5/) Analyze the structure an author uses to organize a text, including how the major sections contribute to the whole and to an understanding of the topic.
* [CCSS.ELA-Literacy.RST.6-8.6](http://www.corestandards.org/ELA-Literacy/RST/6-8/6/) Analyze the author’s purpose in providing an explanation, describing a procedure, or discussing an experiment in a text.

## Integration of Knowledge and Ideas

* [CCSS.ELA-Literacy.RST.6-8.7](http://www.corestandards.org/ELA-Literacy/RST/6-8/7/) Integrate quantitative or technical information expressed in words in a text with a version of that information expressed visually (e.g., in a flowchart, diagram, model, graph, or table).
* [CCSS.ELA-Literacy.RST.6-8.8](http://www.corestandards.org/ELA-Literacy/RST/6-8/8/) Distinguish among facts, reasoned judgment based on research findings, and speculation in a text.
* [CCSS.ELA-Literacy.RST.6-8.9](http://www.corestandards.org/ELA-Literacy/RST/6-8/9/) Compare and contrast the information gained from experiments, simulations, video, or multimedia sources with that gained from reading a text on the same topic.

## Range of Reading and Level of Text Complexity

* [CCSS.ELA-Literacy.RST.6-8.10](http://www.corestandards.org/ELA-Literacy/RST/6-8/10/) By the end of grade 8, read and comprehend science/technical texts in the grades 6–8 text complexity band independently and proficiently.