**SI 2011 Instructors' Readings**

**Level 1: Required Readings: These Readings are provided in packets to all MITS instructors. They are a "must read" in order for all instructors to understand the broad context of science and literacy that we wish to address with the SI2011 theme.**

***Overview: Inquiry teaching and learning***

Bell, Randy L., Lara Smetana, and Ian Binns. “Simplifying Inquiry Instruction.” *The Science Teacher.* October. 2005.

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.

***Overview: Science and LIteracy***

Gilbert, Joan and Marleen Kotelman. "Five Good Reasons to Use Science Notebooks." Science and Children. November/December 2005, pp. 28-32.

Hapgood, Susanna and Annemarie Sullivan Palincsar. “Where Literacy and Science Intersect.” *Educational Leadership.* Vol. 64 No. 4. December 2006/ January 2007, pp. 56-60. Johnson, Jill Caton and Lisa Martin-Hansen. “Improving Science Reading Comprehension.” Science Scope. March, 2005, pp. 12-15. Arlington, VA: NSTA Press.

Miller, Roxanne. Greitz. “Unlocking Reading Comprehension with Key Science Inquiry Skills.” *Science Scope.* September, 2006, pp. 30-33. Arlington, VA: NSTA Press.

Their, Marlene. “Developing Persuasive Voices in the Science Classroom: Argument Can Extend and Support Science Explanations.” *Science and Children.* November, 2010, pp. 70-74. Arlington, VA: NSTA Press.

Worth, Karen and Robin Moriarty, and Jeff Winokur. “Capitalizing on Literacy Connections: A Professional Development Institute Shows Meaningful Integration Is Possible through the Recognition of the Critical Connections between Literacy and Science.” *Science and Children.* February, 2004, pp. 35-39.

***Level 2-4 Provided on an Instructor's Bibliography List. Instructors may request Tim to provide a pdf copy of selected articles.***

***Level 2: General Methods/Instructional Strategies: How to do Literacy with Science***

Cervetti, Gina and Jacqueline Barber. “Bringing Back Books: Using Text to Support Hands-On Investigations for Scientific Inquiry.” *Science and Children.* November, 2009, pp. 36-39. Arlington, VA: NSTA Press.

Dlugokienski, Amy and Victor Sampson. "Learning to Write and Writing to Learn in Science." *Science Scope,* November 2008, pp. 14-19.

Everett, Susan and Richard Moyer. “Literacy in the Learning Cycle: Incorporating trade books helps plan inquiry-learning experiences,” *Science and Children,* October, 2009, p. 48-52. Arlington, VA: NSTA Press.

Zales, Charlotte Rappe and Connie S. Unger. “The Science and Literacy Framework.” *Science and Children* November 2008, p. 42-45. Arlington, VA: NSTA Press.

***Level 3: Specific Activity Ideas***

Adler, Beth. "Teaching through Trade Books: Water Wherever." Science and Children. February 2004. pp. 18-20. Arlington, VA: NSTA Press.

Ansberry, Karen and Emily Morgan. "Teaching through Trade Books: A Closer Look." Science and Children. January 2008. pp. 14-17. Arlington, VA: NSTA Press.

Ansberry, Karen and Emily Morgan. "Teaching through Trade Books: Into the Woods." Science and Children. April/ May 2007. pp. 14-7. Arlington, VA: NSTA Press.

Coskie, Tracy L. and Kimberly J. Davis. “Word Wall Work: Supporting Science Talk.” *Science and Children,* April/May, 2009, p.56-58. Arlington, VA: NSTA Press.

Klentschy, Michael. “Science Notebook Essentials: A guide to effective notebook components.” Science and Children. November/December, 2005, pp. 24-27. Arlington, VA: NSTA Press.

Rochwerger, Leonora, Shelley Stagg Peterson, and Theresa Calovini. "Multigenre Lab Reports: Connecting Literacy and Science." Science Scope April/May 2006. pp. 26-29.

Shwartz, Yael, et.al. “Talking Science: Classroom Discussions and Their Role in Inquiry-Based Learning Environments.” *The Science Teacher.* Summer, 2009, pp. 44-47. Arlington, VA: NSTA Press.

Varelas, Maria, et.al. “Students as Authors: Illustrated Science Information Books Created During Integrated Units Are Windows into Student Understanding.” *Science and Children.* March, 2008, pp.58-62. Arlington, VA: NSTA Press.

Wiley, David A. "Teaching through Trade Books: A Season to Inquire." Science and Children. November/ December 2004. pp. 16-18. Arlington, VA: NSTA Press.

***Level 4: Special Areas of Interest***

Creech, Janet and Gina Hale. “Literacy in Science: A Natural Fit.” *The Science Teacher.* February, 2006, pp. 22-27. Arlington, VA: NSTA Press. A year-long method.

Thier, Marlene. “Science and Literacy: Tools for Life.” *Science Scope.* February, 2010, pp. 32-35. Arlington, VA: NSTA Press. Excellent and very detailed.

Van Meeteren, Beth Dykstra and Lawrence T. Escalada. *“*Science and Literacy Centers: This Win–Win Combination Enhances Skills in Both Areas.” *Science and Children.* March, 2010, pp. 74-78. Arlington, VA: NSTA Press. Applied to incline planes.