

*Integrating Math and Science with Literacy: An Annotated Bibliography*  
 prepared by Jane M. Gangi, Ph.D.  
 November 25, 2012

***Math and Economics***

Ball, Johnny. (2005). *Go figure!* New York, NY: DK.

Milway, Katie Smith, & Eugenie Fernandes (Illus.). (2008). *One hen: How one small loan made a big difference.* Tonawanda, NY: Kids Can.

Roderick, Stacey, Ellen Warwick, & Monika Melnychuk. (2008). *centsibility: The planet girl guide to money.* Tonawanda, NY: Kids Can Press.

Schwartz, Joanne, & Matt Beam (Photographer). (2011). *City numbers.* Toronto, Canada: Groundwood. A concept book that reflects urban children's experiences.

***Science***

Alarcón, Francisco X., & Maya Christina Gonzalez (Illus.) (2008). *Animal poems of the Iguazú/Animalario del Iguazú.* San Francisco: Children's Book Press. Alarcón focuses on the life in the Argentinian Iguazú Falls, a protected area threatened by deforestation in surrounding areas.

Berkes, Marianne, & Jeanette Canyon (Illus.). (2007). *Over in the jungle: A rainforest rhyme.* Nevada City, CA: Dawn. Information about the rainforest in a counting concept book.

Berkes, Marianne, & Jill Dubin (Illus.). (2008). *Over in the Arctic where the cold winds blow.* Nevada City, CA: Dawn. A companion to *Over in the Jungle*. Dubin's collage art is beautiful.

Berkes, Marianne, & Jennifer DiRubbio (Illus.). (2010). *Going home: The mystery of animal migration.* Nevada City, CA: Dawn.

Bishop, Nic. (2007). *Spiders.* New York, NY: Scholastic. Originally from New Zealand, Bishop has traveled the world in his study of small animals.

Bruchac, Joseph, & Bill Farnsworth (Illus.). (2008). *Buffalo Song.* New York: Lee & Low. Based on a true story of those who saved the buffalo from extinction, beginning in 1863.

Carson, Mary Kay, & Tom Uhlman (Photographs). (2007). *Emi and the rhino scientist.* Boston, MA: Houghton Mifflin. Includes biographical information about the scientist Terri Roth.

Cherry, Lynne, & Gary Barasch. (2008). *How we know what we know about our changing climate: Scientists and kids explore global warming.* Nevada City, CA: Dawn. This award-winning book takes the reader step-by-step into the evidence and solutions for global warming. Great photographs.

Edwards, Wallace. (2007). *The painted circus: A mesmerizing menagerie of trickery and illusion guaranteed to beguile and bamboozle the beholder.* Tonawanda, NY: Kids Can.

Ellis, Bria "Fox," & Michael S. Maydak (Illus.). (2006). *The web at Dragonfly Pond.* Nevada City, CA: Dawn. A whole universe in a pond.

Fredericks, Anthony D. (2006). *On one flower.* Nevada City, CA: Dawn. An up close look at one flower.

- Hickman, Pamela, & Geraldo Valério (Illus.). (2008). *It's moving day!* Tonawanda, NY: Kids Can. About animals whose life styles change with the coming of spring.
- Johnson, Jen Cullerton, & Sonia Lynn Sadler (Illus.). (2010). *Seeds of change: Planting a path to peace*. New York, NY: Lee & Low Books. About Nobel Peace Prize winner Wangari Maathai and the Green Belt movement.
- Krull, Kathleen, & Boris Kulikov (Illus.). (2005). *Leonardo da Vinci*. New York, NY: Viking. A well-researched and well-written update on da Vinci.
- Kudlinski, Kathleen, & Ted Lewin (Illus.). 1988. *Rachel Carson: Pioneer of ecology*. New York, NY: Viking. Begins with her birth in 1907, through her career in the 1960s.
- Lasky, Kathryn, & Matthew Trueman (Illus.). (2009). *One beetle too many: The extraordinary adventures of Charles Darwin*. Somerville, MA: Candlewick Press. Lasky includes Darwin's belief, though he rejected organized religion, in a Creator.
- Lasky, Kathryn. (2006). *John Muir: America's First Environmentalist*. Cambridge, MA: Candlewick. Among his many accomplishments, helping to save Yosemite for future generations was a great contribution. 2007 Orbis Pictus Outstanding Nonfiction for Children Award, Honorable Mention
- Lasky, Kathryn, & Kevin Hawkes (Illus.). (2003). *The man who made time travel*. New York, NY: Farrar Straus Giroux  
 . About the persistent John Harrison, the inventor of chronometers.
- Malnor, Carol L., Sandy F. Fuller, & Louise Schroeder (Illus.). (2010). *The blues go birding across America*. Nevada City, CA: Dawn.
- Mason, Margaret H., & Holly Welch (Illus.). (2008). *Inside all*. Nevada City, CA: Dawn. Gorgeously illustrated, the book moves from the universe to the human heart.
- McCully, Emily Arnold. (2006). *Marvelous Mattie: How Margaret E. Knight became an inventor*. New York, NY: Farrar Straus Giroux. The inventor of the paper bag, among other inventions.
- McLimans, David.(2006). *Gone wild: An endangered animal alphabet*. New York, NY: Walker. A concept book. Can teach vocabulary in the content areas; especially helpful is the repeated pattern of Class, Habitat, Range, Threats, and Status, which can teach about animals and geography ("Range" describes countries in which the animal is found). A 2007 Caldecott Honor Book.
- Montgomery, Sy. (2006). *Quest for the tree kangaroo: An expedition to the cloud forest of New Guinea*. Photographs by Nic Bishop. Boston, MA: Houghton. Geography, photography, and New Guinea. A Robert F. Sibert Honor Book.
- Montgomery, Sy, & Nic Bishop (Photographs). (2010). *Kakapo rescue: Saving the world's largest parrot*. Boston, MA: Houghton Mifflin. Another great book by Montgomery.
- Mortensen, Lori, & Cris Arbo (Illus.). (2009). *In the trees, honey bees*. Nevada City, CA: Dawn. A detailed, understandable poem of how bees make honey.
- Nivola, Claire. (2008). *Planting the trees of Kenya: The story of Wangari Maathai*. New York, NY: Farrar Straus Giroux. The story of Wangari Maathai, winner of the Nobel Peace Prize, who founded the Green Belt Movement to replenish farmlands stripped bare.

- Nutt, Robert. (2010). *Amy's light*. Nevada City, CA: Dawn. Fireflies help a girl overcome her fear of the dark; written in verse.
- Pratt, Kristen Joy. (2006). *A swim through the sea*. Nevada City, CA: Dawn. Informational text in an alphabet concept form. The author was 16 years old when she wrote this book. (Original work published in 1994).
- Pratt-Serafini, Kristin Joy, with Rachel Crandell. (2008). *The forever forest: Kids save a tropical treasure*. Nevada City, CA: Dawn. Tells the story of second graders from around the world who work to save a rainforest in Costa Rica: *El Bosque Eterno de los Niños/The Children's Eternal Rain Forest*.
- Quattlebaum, Mary, & Laura J. Bryant (Illus.). (2011). *Jo MacDonald saw a pond*. Nevada City, CA: Dawn. Pond life is described through the tune of *Old MacDonald Had a Farm*.
- Reynolds, Jan. (2009). *Cycle of rice: A story of sustainable farming*. New York, NY: Lee & Low. Bali's remarkable farming system.
- Roth, Susan L., & Cindy Trubore. (2011). *The mangrove tree: Planting trees to feed families*. New York, NY: Lee & Low Books. A magnificent story of the way Dr. Gordon H. Sato helped Ethiopia and Eritrea plant mangroves to stabilize the coast line of the Red Sea.
- Sayre, April Pulley, & Steve Jenkins (Illus.). (2007). *Vulture View*. New York, NY: Holt. The genre is poetry and the art is collage, with informational text at the end on turkey vultures.
- Schertle, Alice, & Kenneth Addison (Illus.) 2007. *We*. New York, NY: Lee & Low. A poem about human development.
- Schur, Maxine Rose, & Michael S. Maydack. (2009). *There's a babirusa in my bathtub! Fact and fancy about curious creatures*. Nevada City, CA: Dawn. Unique animals of the world in informational text and poetry.
- Serafini, Frank. (2008). *Looking closely at the desert*. Tonawanda, NY: Kids Can. This book is great for teaching prediction: First the reader sees a small part of some aspect of desert life, makes a guess, then sees the whole.
- Serafini, Frank. (2008). *Looking closely at the garden*. Tonawanda, NY: Kids Can. Structured like *Looking Closely at the Desert*.
- Swanson, Diane, & Paul Davidson (Photographer). (2007). *Bugs up close*. Tonawanda, NY: Kids Can.
- Swinburne, Stephen R., & Robin Brickman (Illus.). (1996). *Swallows in the birdhouse*. Honesdale, PA: Boyds Mills Press. The collage art enhances this wonderfully informative text.
- Van Zandt, Steve, & Katherine Zecca (Illus.). (2007). *River song with the Banana Slug String Band*. Nevada City, CA: Dawn. Greater awareness of earth science, with a CD included. The song can help develop phonemic awareness.
- Ward, Jennifer, & Jamichael Henterly (Illus.). (2007). *Forest bright, forest night*. Nevada City, CA: Dawn. Informational text about the forest in a counting concept book.

- Weston, Mark, & Katie Yamasaki (Illus.). (2008). *Honda: The boy who dreamed of cars*. New York, NY: Lee & Low. This engaging biography also introduces young readers to such concepts as Compound Vortex Controlled Combustion engine (CVCC), for which the Honda Civic is named.
- Young, Karen Romano. (2007). *Across the wide ocean: The why, how, and where of navigation for humans and animals at sea*. New York, NY: Greenwillow. Well-researched and illustrated by the author.