

**NGSS: Disciplinary Core Ideas and Related Weekly Poems in *The Poetry Friday Anthology for Science* (Vardell and Wong 2014)**

	<b>Processes, Scientists, &amp; Safety*</b>	<b>Life Science</b>	<b>Earth &amp; Space Science</b>	<b>Physical Science</b>	<b>Engineering</b>
<b>K</b>	Discipline of Science; Lab Safety  Weeks 1, 2, 3, 4, 5, 6, 7, 8, 30, 31, 32	Interdependent Relationships in Ecosystems: <i>Animals, Plants &amp; Their Environment</i>  Weeks 4, 6, 21, 22, 23, 24, 25, 26, 31, 32, 34	Weather, Climate, & Changes  Weeks 4, 9, 14, 15, 16, 17, 18, 19, 35	Forces & Interactions: <i>Pushes &amp; Pulls</i>  Weeks 5, 10, 11, 12, 13	K-2 Engineering Design  Weeks 20, 27, 28, 29, 33, 36
<b>1<sup>st</sup></b>	Discipline of Science; Lab Safety  Weeks 1, 2, 3, 5, 7, 30, 35	Structure & Function  Weeks 4, 6, 16, 19, 20, 21, 22, 23, 25, 26, 35	Space Systems: <i>Patterns &amp; Cycles</i>  Weeks 14, 15, 16, 17, 18, 24, 36	Waves: <i>Light &amp; Sound</i> ; Matter  Weeks 5, 8, 9, 10, 11, 13, 28, 34	K-2 Engineering Design  Weeks 12, 19, 20, 27, 29, 31, 32, 33
<b>2<sup>nd</sup></b>	Discipline of Science; Lab Safety  Weeks 1, 2, 3, 4, 5, 6, 7, 8, 17, 30	Interdependent Relationships in Ecosystems  Weeks 5, 19, 20, 21, 22, 23, 24, 25, 26, 31, 32, 35	Earth's Systems: <i>Processes that Shape the Earth</i>  Weeks 12, 14, 15, 16, 17, 18, 19, 20	Structure & Properties of Matter  Weeks 2, 9, 10, 11, 13, 28, 30	K-2 Engineering Design  Weeks 6, 27, 28, 29, 33, 34, 36
<b>3<sup>rd</sup></b>	Discipline of Science; Lab Safety  Weeks 1, 2, 3, 4, 5, 11, 30, 31, 35	Interdependent Relationships in Ecosystems; Inheritance & Variation of Traits: <i>Life Cycles &amp; Traits</i>  Weeks 8, 16, 19, 21, 22, 23, 25	Weather & Climate  Weeks 14, 15, 17, 18, 20, 31, 32	Forces & Interactions; Light Waves  Weeks 6, 7, 9, 10, 11, 13, 20, 26, 29	3-5 Engineering Design  Weeks 7, 12, 27, 28, 32, 33, 34, 36
<b>4<sup>th</sup></b>	Discipline of Science; Lab Safety  Weeks 1, 2, 3, 4, 5, 7, 32, 33	Structure & Function  Weeks 4, 6, 19, 21, 22, 23, 24, 25, 26, 30, 34, 35	Earth's Systems: <i>Processes that Shape the Earth</i>  Weeks 14, 15, 16, 17, 18	Energy & Waves: <i>Waves &amp; Information</i>  Weeks 9, 10, 11, 12, 13, 20, 28, 31	3-5 Engineering Design  Weeks 8, 20, 27, 28, 29, 33, 36
<b>5<sup>th</sup></b>	Discipline of Science; Lab Safety  Weeks 1, 2, 3, 6, 7, 26, 30	Matter & Energy in Organisms & Ecosystems  Weeks 4, 5, 8, 15, 16, 20, 21, 22, 23, 24, 25, 33, 34, 35	Earth & Space Sys.: <i>Stars &amp; Solar System</i>  Weeks 14, 15, 16, 17, 18, 19, 20, 32	Structure and Properties of Matter  Weeks 4, 6, 9, 10, 11, 12, 13, 31	3-5 Engineering Design  Weeks 8, 27, 28, 29, 33, 36

**\*Processes, Scientists, & Safety.** This topic is not one of the "disciplinary core ideas" included in the NGSS, but we believe it is important in setting the stage for introducing science-themed poetry with children.

Vardell, S.M. and Wong, J.S. 2014. *The poetry Friday anthology for science*. Princeton, NJ: Pomelo Books.

NGSS Lead States. 2013. *Next Generation Science Standards: For states, by states*. Washington, DC: National Academies Press.

## Recommended Science Poetry Books

A brief look at the shelves of poetry books in the library will lead one to discover many poems that connect with science, such as collections devoted to animals, weather, seasons, space, dinosaurs, and time, to name a few. Here we suggest fifty recommended poetry books that focus specifically on science-related topics. You'll find more suggestions at *The Poetry Teacher's Book of Lists* by Vardell (Pomelo Books 2012).

Blackaby, S. 2010. *Nest, Nook & Cranny*. Watertown, MA: Charlesbridge.

Bruchac, J. 1992. *Thirteen Moons on Turtle's Back: A Native American Year of Moons*. New York: Philomel Books.

Bruchac, J. 1995. *The Earth under Sky Bear's Feet: Native American Poems of the Land*. New York: Philomel Books.

Bulion, L. 2006. *Hey There, Stink Bug!* Watertown, MA: Charlesbridge.

Bulion, L. 2011. *At the Sea Floor Café; Odd Ocean Critter Poems*. Atlanta, GA: Peachtree.

Burleigh, R. 2003. *Into the Woods: John James Audubon Lives His Dream*. New York: Atheneum.

Coombs, K. 2012. *Water Sings Blue: Ocean Poems*. San Francisco: Chronicle.

Dotlich, R.K. 2006. *What is Science?* New York: Holt.

Florian, D. 2007. *Comets, stars, the moon, and mars*. Orlando: Harcourt.

Florian, D. 2009. *Dinothesaurus*. New York: Simon & Schuster.

Florian, D. 2012. *Unbelievables: Honeybee Poems and Paintings*. New York: Beach Lane.

Franco, B. 2008. *Bees, Snails, & Peacock Tails, Patterns and Shapes... Naturally*. New York: McElderry.

Gerber, C. 2013. *Seeds, Bees, Butterflies and More! Poems for Two Voices*. New York: Holt.

Graham, J.B. 1994. *Splish Splash*. Boston: Houghton Mifflin.

Graham, J.B. 1999. *Flicker Flash*. Boston: Houghton Mifflin.

Harley, A. 2006. *Sea Stars: Saltwater Poems*. Honesdale, PA: Wordsong/Boyds Mills.

Harley, A. 2008. *The Monarch's Progress: Poems with Wings*. Honesdale, PA: Boyds Mills/Wordsong.

Harrison, D. L. 2007. *Bugs, Poems about Creeping Things*. Honesdale, PA: Wordsong/Boyds Mills.

- Hauth, K. 2011. *What's for Dinner? Quirky, Squirmy Poems from the Animal World*. Watertown: MA: Charlesbridge.
- Havill, J. 2006. *I Heard It from Alice Zucchini: Poems About the Garden*. San Francisco: Chronicle Books.
- Hubbell, P. 2000. *Earthmates: Poems*. New York: Marshall Cavendish.
- Katz, B. 2007. *Trailblazers; Poems of Exploration*. New York: Greenwillow.
- Larios, J. 2006. *Yellow Elephant: A Bright Bestiary*. San Diego, CA: Harcourt.
- Lewis, J.P. 2004. *Scientrickery: Riddles in Science*. San Diego: Harcourt.
- Lewis, J.P. 2005. *Galileo's Universe*. Creative Editions.
- Lewis, J.P. Ed. 2012. *The National Geographic Book of Animal Poetry*. Washington DC: National Geographic.
- Mordhorst, H. 2009. *Pumpkin Butterfly; Poems from the Other Side of Nature*. Honesdale PA: Wordsong/Boyd's Mills Press.
- Rosen, M. J. 2009. *The Cuckoo's Haiku and Other Birding Poems*. Somerville, MA: Candlewick.
- Ruddell, D. 2007. *Today at the Bluebird Café*. New York: McElderry.
- Ruddell, D. 2009. *A Whiff of Pine, A Hint of Skunk*. New York: Simon & Schuster.
- Salas, L.P. 2008. *And Then There Were Eight: Poems About Space*. Minneapolis, MN: Capstone.
- Salas, L.P. 2008. *Seed Sower, Hat Thrower: Poems About Weather*. Minneapolis, MN: Capstone.
- Schoenberg, J., and S. Schoenberg. 2004. *My Bodyworks: Songs About Your Bones, Muscles, Heart, and More!* New York: Crocodile Books.
- Schwartz, D.M., and Y. Schy. 2009. *Where Else in the Wild? MORE Camouflaged Creatures Concealed... and Revealed*. Berkeley, CA: Tricycle.
- Schwartz, D.M., and Y. Schy. 2010. *What in the Wild? Mysteries of Nature Concealed... and Revealed*. Berkeley, CA: Tricycle.
- Sidman, J. 2002. *Eureka! Poems about Inventors*. Brookfield, CT: Millbrook.
- Sidman, J. 2006. *Butterfly Eyes and Other Secrets of the Meadow*. Boston: Houghton Mifflin.
- Sidman, J. 2010. *Dark Emperor and Other Poems of the Night*. Boston: Houghton Mifflin.
- Sidman, J. 2010. *Ubiquitous: Celebrating Nature's Survivors*. Boston: Houghton Mifflin.

- Singer, M. 2012. *A Strange Place to Call Home: The World's Most Dangerous Habitats and the Animals That Call Them Home*. San Francisco: Chronicle.
- Vardell, S., and J. Wong. 2014. *The Poetry Friday Anthology for Science*. Princeton, NJ: Pomelo Books.
- Spinelli, E. 2007. *Polar Bear, Arctic Hare; Poems of the Frozen North*. Honesdale, PA: Wordsong/Boyd's Mills.
- VanDerwater, A.L. 2013. *Forest Has a Song*. New York: Clarion.
- Verstraete, L. 2010. *S is for Scientists: A Discovery Alphabet*. Chelsea, MI: Sleeping Bear Press.
- Weatherford, C.B. 2008. *I, Matthew Henson: Polar Explorer*. New York: Walker.
- Wolf, A. 2003. *The Blood-Hungry Spleen and Other Poems about Our Parts*. Somerville, MA: Candlewick.
- Wolf, S. 2010. *The Robin Makes a Laughing Sound*. Watertown, MA: Charlesbridge.
- Wong, J. 2011. *Once Upon A Tiger; New Beginnings for Endangered Animals*. Princeton, NJ: Pomelo Books.
- Yolen, J. 2011. *Birds of a Feather*. Honesdale, PA: Wordsong/Boyd's Mills Press.
- Yolen, J. 2012. *Bug Off! Creepy Crawly Poems*. Honesdale, PA: Wordsong/Boyd's Mills Press.