

**Preschool STEM 2016 – Victoria Penny  
ABOS Conference 2016**

**ENCOURAGING LITTLE SCIENTISTS**

- Scanlon, Liz Garton. *All the World*. Beach Lane Books, 2009.
- Carson, Rachel, photographs by Nick Kelsh. *The Sense of Wonder*. Harper Collins, 1998.
- Levitt, Lorelee. *Candy Experiments*. Andrews McMeel, 2012.

**SING!**

- Carter, David A. and Musical Robot. *If You're a Robot and You Know it*. Scholastic, 2015.

**READ!**

- Beaty, Andrea. *Ada Twist, Scientist*. Abrams Books for Young Readers, 2016.

**TALK!**

- Phillips, Christopher. *Ceci Ann's Day of Why*. Tricycle Press, 2006.
- Waber, Bernard. *Ask Me Why*. Houghton Mifflin Harcourt, 2015.

**WRITE!**

- Horacek, Petr. *One Spotted Giraffe: A Counting Pop-up Book*. Candlewick Press, 2012.
- Archambault, John. *Boom Chicka Rock*. Philomel Books, 2004.

**PLAY!**

- Ets, Marie Hall. *Play with Me*. Puffin Books, 1976 (first published 1955).

**LIBRARIAN & TEACHER RESOURCES**

Chalufour, Ingrid and Karen Worth. *Building Structures with Young Children*. Redleaf Press, 2004.

Garrett, Linda and Hannah Thomas. *Small Wonders: Nature Education for Young Children*. Vermont Institute of Natural Science, 2005.

Griffin, Sherri. *My Big World of Wonder: Activities for Learning about Nature and Using Natural Resources Wisely*. Redleaf Press, 2004.

Kohl, MaryAnn and Jean Potter. *Science Arts: Discovering Science through Art Experiences*. Bright Ring Publishing, 1993

MacDonald, Sharon. *Math in Minutes: Easy Activities for Children Ages 4-8*. Gryphon House, 2007.

Matricardi, Joanne and Jeanne McLarty. *Science Activities A to Z*. Thomson Delmar Learning, 2005.  
Moomaw, Sally and Brenda Hieronymus. *More than Magnets: Exploring the Wonders of Science in Preschool and Kindergarten*. Redleaf Press, 1997

Williams, Robert A., Robert E. Rockwell, & Elizabeth A. Sherwood. *Mudpies to Magnets: A Preschool Science Curriculum*. Gryphon House, 1987.

## STEM BOOKLIST

Walsh, Ellen Stoll. *Mouse Paint*. Harcourt Brace, 1989. **(S) Scientific Method & Inquiry Domain.**

Carle, Eric. *A House for Hermit Crab*. Scholastic, 1987. **(S) Life Science Domain, Reading Standards.**

Wallace, Nancy Elizabeth. *Pond Walk*. Marshall Cavendish, 2011. **(S) Life Science Domain, Earth Science Domain, Curiosity & Initiative Domain, Reading Standards.**

Martin, Bill Jr. *Ten Little Caterpillars*. Scholastic, 2011. **(S, M) Life Science Domain, Counting & Cardinality Domain.**

Murawski, Darlyne A. *Face to Face with Caterpillars*. National Geographic Society, 2006. **(S) Life Science Domain, Reading Standards (Informational Text).**

Tuchman, Gail. *Busy Butterflies*. Scholastic, 2014. **(S) Life Science Domain, Reading Standards (Informational Text).**

Lionni, Leo. *Inch by Inch*. HarperCollins, 1960. **(S, M) Life Science Domain, Measurement & Data Domain.**

Sturges, Philemon. *Ten Flashing Fireflies*. North-South Books, 1995. **(S, M) Life Science Domain, Counting & Cardinality Domain.**

*Red Pepper, Yellow Squash: A Book of Colors*. Scholastic (Rookie Toddler), 2014. **(S) Physical Science Domain, Earth Science Domain.**

Bass, Jennifer Vogel. *Edible Colors*. Roaring Brook Press, 2014. **(S) Physical Science Domain, Earth Science Domain.**

*Y is for Yum, Yum, Yum!* Scholastic, 2013. **(S) Earth Science Domain, Reading Standards.**

Bardous, Anna W. *Munch! Crunch! Snacks & Lunch*. Scholastic, 2014. **(S) Earth Science Domain.**

Dean, James. *Pete the Cat: The Wheels on the Bus*. HarperFestival, 2013. **(T) Technology Domain.**

Metzger, Steve. *The Wheels on the Truck!* Scholastic, 2008. **(T) Technology Domain. Reading Standards.**

Portis, Antoinette. *Not a Stick*. HarperCollins, 2008. **(T) Technology Domain, Curiosity & Initiative Domain, Problem-Solving Skills Domain.**

Walsh, Ellen Stoll. *Balancing Act*. Scholastic, 2010. **(S, T) Scientific Method & Inquiry Domain, Technology Domain.**

Walsh, Ellen Stoll. *Mouse Shapes*. Harcourt, 2007. **(S, T) Physical Science Domains, Technology Domain.**

Hannigan, Katherine. *Dirt + Water = Mud*. Greenwillow Books, 2016. **(T, M) Operations & Algebraic Thinking Domain, Curiosity & Initiative Domain, Problem-Solving Skills, Domain, Technology Domain.**

Hale, Christy. *Dreaming Up: A Celebration of Building*. Lee & Low Books, 2012. **(S, T, E) Problem-Solving Skills Domain, Technology Domain.**

Dickson, Irene. *Blocks*. Nosy Crow, 2016. **(S, T, E) Problem-Solving Skills Domain, Technology Domain.**

Stevenson, Robert Louis, illustrated by Ashley Wolff. *Block City*. E.P. Dutton, 1988. **(S, T, E) Problem-Solving Skills Domain, Reading Standards.**

Beaty, Andrea. *Rosie Revere, Engineer*. Abrams, 2013. **(T, E) Problem-Solving Skills Domain, Technology Domain, Reading Standards.**

Beaty, Andrea. *Iggly Peck, Architect*. Abrams, 2007. **(T, E) Problem-Solving Skills Domain, Technology Domain, Reading Standards.**

Barrett, Judi. *The Marshmallow Incident*. Scholastic Press, 2009. **(T, E) Technology Domain, Reading Standards.**

Guarnaccia, Steven. *The Three Little Pigs: An Architectural Tale*. Abrams, 2009. **(T, E) Problem-Solving Skills Domain, Technology Domain, Reading Standards.**

Burris, Priscilla. *Five Green and Speckled Frogs (Count-and-Sing)*. Cartwheel Books, 2016. **(M) Counting & Cardinality Domain, Operations & Algebraic Thinking Domain.**

Hutchins, Pat. *The Doorbell Rang*. Scholastic, 1987. **(M) Operations & Algebraic Thinking Domain, Problem-Solving Skills Domain.**

Gehl, Laura and Tom Lichtenheld. *One Big Pair of Underwear*. Scholastic, 2014. **(M) Counting & Cardinality Domain, Problem-Solving Skills Domain.**

McMillan, Bruce. *Eating Fractions*. Scholastic, 1991. **(M) Measurement & Data Domain.**

Blevins, Wiley. *Duck, Duck, Goose*. Red Chair Press, 2016. **(M) Operations & Algebraic Thinking Domain (patterns).**

Mack, Jeff. *Duck in the Fridge*. Two Lions, 2014. **(M) Counting & Cardinality Domain, Problem-Solving Skills Domain, Reading Standards.**

Thomas, Jan. *Is That Wise, Pig?* Beach Lane Books, 2016. **(M) Counting & Cardinality Domain, Problem-Solving Skills Domain.**