**Library Tools for Sprouting Readers from STEM**

Here are some of the library tools I use in the school library to support the growth of the STEM initiative at our school.

* Netbooks and Desktops (25 in the library)
* Pebble Go Databases
* Britannica Imagequest
* Britannica Online
* World Book through TEL
* Big6.com
* Super 3
* PowerKnowledge Life Science http://www.pklifescience.com/
* FollettShelf with ebooks
* Capstone Interactive Books

**Worksheets Don’t Grow Dendrites: 20 Instructional Strategies That Engage The** Brain by Marcia L. Tate. Corwin, 2010. ISBN 978-1-4129-7850-7

**PBL in the Elementary Grades: Step-by-Step Guidance, Tools and Tips for Standards-Focused K-5 Projects.** Buck Institute for Education, 2011. ISBN 978-0-9740343-1-7

**The Super3: Information Skills for Young Learners** by Michael B. Eisenberg and Laura Eisenberg Robinson. Linworth Books, 2007. ISBN 158683286-7

**Teaching Information & Technology Skills: The Big 6 in Elementary Schools** by Michael B. Eisenberg and Robert E. Berkowitz. Linworth Books, 1999. ISBN 0-938865-81-1

**Common Core Curriculum Maps: English Language Arts.** Grades K-5. Common Core. Jossey-Bass, 2012. (p67)

Narrative Nonfiction, Biographies and more:

**Alex the Parrot: No Ordinary Bird** by Stephanie Spinner. Alfred A. Knopf, 2012. ISBN 978-0-375-86846-7 A Junior Library Guild selection and excellent true story of Irene Pepperberg’s work with an African grey parrot named Alex – short for Avian Learning EXperiment.

**Bird Talk: What Birds Are Saying and Why** by Lita Judge. Roaring Brook Press, 2012. ISBN 978-1-59643-646-6

**Life in the Ocean: The Story of Oceanographer Sylvia Earle** by Claire A. Nivola (also author of Planting the Trees of Kenya) Farrar Straus Giroux, 2012. ISBN 978-0-374-38068-7

**The Boy Who Harnessed the Wind** by William Kamkwamba and Bryan Mealer. Dial Books for Young Readers, 2012. ISBN 978-0-8037-3511-8. True story of 14 year old William Kamkwamba’s perserverance in building a wind mill in his African village.

**Leopard & Silkie: One Boy’s Quest to Save the Seal Pups** by Brenda Peterson. Henry Holt Books, 2012. ISBN 978-0-8050-9167-0. Seal Sitters in the Pacific Northwest.

**Building on Nature: The Life of Antoni Gaudi** by Rachel Rodriguez. Henry Holt, 2009. ISBN 978-0-8050-8745-1 Architecture in a unique style.

**Just as Good: How Larry Doby Changed America’s Game** by Chris Crowe. Candlewick Press, 2012. ISBN 978-0-7636-5026-1. The first black player in the American League, Larry Doby’s second season playing for the Cleveland Indians helped pave the way for other African Americans in the major leagues.

**Annie and Helen** by Deborah Hopkinson & Raul Colon. Schwartz & Wade Books, 2012. ISBN 978037585706-5

**Paiute Princess: The Story of Sarah Winnemucca** by Deborah Kogan Ray. Farrar Straus Giroux, 2012. ISBN 978-0-374-39897-2

**Green** by Laura Vaccaro Seeger. Roaring Brook Press, 2012. ISBN 978-1-59643-397-7

**What If You Get Lost?** by Anara Guard. Picture Window Books, 2012. ISBN 978-1-4048-6684-3

**Haunted Histories: Creepy Castles, Dark Dungeons, and Powerful Palaces** by J. H. Everett. Henry Holt, 2012. ISBN 978-0-8050-8971-4

**Write Horror Fiction in 5 Simple Steps** by Laura Baskes Litwin. Enslow, 2013. ISBN 978-0-7660-3836-3

**Picture Yourself Writing Nonfiction: Using Photos to Inspire Writing** by Jennifer Fandel. Capstone Press, 2012. ISBN 978-1-4296-6125-6

**Nature’s Cycles: Food Chains / Los ciclos de la naturaleza Las cadenas alimentarias** by Dana Meachen Rau. Marshall Cavendish Benchmark, 2010. ISBN 978-0-7614-4789-4

**PLANT BOOKS:**

**Plants** (Investigating Earth) by Kate Walker. Marshall Cavendish Benchmark, 2012. ISBN 978-1-60870-559-7

**New Plants: Seeds in the Soil Patch** by Emily Sohn and Erin Ash Sullivan. Norwood House, 2011. ISBN 978-1-59953-408-4

**How Seeds Travel: Popguns and Parachutes** by Jane Belk Moncure. The Child’s World, 1990. (Who will publish a modern update to this title?)

**Disgusting Plants** by Connie Colwell Miller. Capstone, 2007.

**The Plant Hunters: True Stories of Their Daring Adventures to the Far Corners of the Earth**. Farrar Straus Giroux, 2012. ISBN 978-0-374-30908-4

**Grow Your Own Cat Toy** (Grow It Yourself!) by John Malam. Heinemann Library, 2012. ISBN 978-1-4329-5110-8

**Grow Your Own Sandwich** (Grow It Yourself!) by John Malam. Heinemann Library, 2012. ISBN 978-1-4329-5108-5

**Freaky Plant Facts: Extreme Greens** (Plant-ology) by Ellen Lawrence. Bearport Publishing, 2012. ISBN 978-1-61772-591-3

**Amazing Plant Bodies: Tiny to Gigantic** (Plant-ology) by Ellen Lawrence. Bearport Publishing, 2012. ISBN 978-1-61772-592-0

**Cooking with Sunshine: How Plants Make Food** (Plant-ology) by Ellen Lawrence. Bearport Publishing, 2012. ISBN 978-1-61772-586-9

**Meat-Eating Plants: Toothless Wonders** (Plant-ology) by Ellen Lawrence. Bearport Publishing, 2012. ISBN 978-1-61772-589-0

**Environments: Beetles in the Garden** (iScience Readers) by Emily Sohn and Barbara M. Linde. Norwood House, 2011. ISBN 978-1-59953-423-7

**Living Systems: Life’s Inside Story** (iScience Readers) by Emily Sohn and Patricia Ohlenroth. Norwood House, 2011. ISBN 978-1-59953-423-7

**People Need Plants!** (I Like Plants!) by Mary Dodson Wade. Enslow, 2009. ISBN 97807660-3153-1

**Plants Live Everywhere!** (I Like Plants!) by Mary Dodson Wade. Enslow, 2009. ISBN 97807660-3155-5

**Seeds Sprout!** (I Like Plants!) by Mary Dodson Wade. Enslow, 2009. ISBN 97807660-3154-8

**Plants Grow!** (I Like Plants!) by Mary Dodson Wade. Enslow, 2009. ISBN 97807660-3152-4

**Little Seeds** (my little planet) by Charles Ghigna. Picture Window Books, 2012. ISBN 978-1-4048-6790-1

**The Secret Lives of Plants!** (Graphic Library) by Janet Slingerland. Capstone Press, 2012. ISBN 978-1-4296-7686-1

**Food Chains and Webs**: Freestyle Express edition (The Web of Life) Raintree, 2012. 978-1-4109-4424-5

**Life on Earth** (Energy in Action) by Pennie Stoyles and Peter Pentland. Marshall Cavendish Benchmark, 2012.

**Articles to be sure to read:**

The National Science Digital Library: STEM Resources for the 21st-Century Learner by Daniel Toomey. School Library Monthly. Volume XXVII, Number 2/November 2010. http://www.schoollibrarymonthly.com/articles/Toomey2010-v27n2p54.html

Collaboration–Programs-Role Models-&-Empowering Girls for Librarians. NorCol STEM Girls. http://marievans.com/librarians.php

IMLS-Funded Research Explores How School Librarians Use Digital Content for STEM Learning by Marcia Mardis http://www.internetatschools.com/Articles/News/Breaking-News/IMLS-Funded-Research-Explores-How-School-Librarians-Use-Digital-Content-for-STEM-Learning-74879.aspx The Web2MARC Tool.