LIVING MATH THROUGH HISTORY

Cycle 1 Tentative Primary Level Booklist

History Quarter Unit 3:
Renaissance to Age of Enlightenment

These selections are not final.
Plan updates are in progress and some substitutions or additions could occur.

If using book lists without purchasing plans, please consider purchasing books through the Amazon affiliate links on the Living Math site to benefit Living Math, or enter through http://www.amazon.com/exec/obidos/redirect-home/livingmath-20

Joy of Mathematics by Theoni Pappas. Math vignettes to inspire exploration

Math Talk Poetry in Two Voices by Theoni Pappas. Poetry in two voices

Mathematicians Are People, Too Vol. 1 by Luetta Reimer

Marvels of Math by Kendall Haven for older children in this level

Math History readers: <u>One or more</u>, according to your child's ability:

Mathematics: The World of Science by Irene Fekete

Go Figure! by Johnny Ball: DK style book, not nearly as much text or story telling, has outstanding pictures

Numbers by Steve Perkins

MathFocus **Mr. Base Ten Invents Mathematics** by Bethany H. Tucker. Very simple story-based math.

Great Moments in Science by Kendall Haven – Reader's Theatre, well done, recommended if you have the ability to act out as a family or in groups.

Optional Historical Context - **Story of the World Vol 2** by Susan Wise Bauer

Nicolaus Copernicus: The Earth Is a Planet by Dennis B. Fradin

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📖 *History context:* For a look at Copernicus's Poland in the 1400's, the Newberry Award Winner, **The Trumpeter of Krakow**, is an enjoyable historical fiction reader

📖 **Galileo Biography:**

Five Secrets In A Box, by Catherine Brighton, nice short picture book for younger children with short attention span – Also printed as **Galileo's Treasure Box**

Galileo, by by Jacqueline Mitton, short and easy biography of Galileo

Starry Messenger: Galileo Galilei by Peter Sis

Galileo Galilei: A Life of Curiosity by Jennifer Boothroyd, for younger

Along Came Galileo, Jeanne Bendick, 95 pages, very nice for this level, for older children or as a family readaloud. (Bendick is the author of Archimedes and the Door of Science)

📖 **The Kid Who Named Pluto** and Stories of Other Extraordinary Young People in Science by Marc McCutcheon

📖 **MathFocus** **The Ellipse** by Mannis Charosh

📖 **MathFocus** **The Dragon's Scales,** A Math Reader by Sara Albee

📖 **MathFocus** **The Search for the Mystery Plant, Space Math,** "I Love Math" Series by Time Life for Children

📖 **MathFocus** **My Full Moon is Square** by Elinor Pinczes

📖 **MathFocus** Skip Counting Readers:

MathStart by Stuart Murphy **Leaping Lizards** (Counting by 5s and 10s L.1) **Spunky Monkeys on Parade** (Counting by 2s, 3s and 4s)

Greg Tang Readers for skip counting practice

Arctic Fives Arrive by Elinor Pinczes

Far North in the Arctic, Counting Alaska's Animals by Cory Cooper Hansen

Hello Math: **98, 99, 100! Ready or Not Hear I Come!** L.2 by Teddy Slater, better than average for skip counting; **Just Add Fun!** L.4 by Joanne Rocklin

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📖 **Kingdom of the Sun** by Jacqueline Mitton – there is a series very beautiful picture books on astronomy by this author, try also **Zoo in the Sky,** A Book of Animal Constellations, and **Once Upon a Starry Night,** A book of Constellations

📖 **Next Stop Neptune, Experiencing the Solar System** by Alvin Jenkins

📖 **How Far is Far? by** Alvin Tresselt, very nice book for younger children, out of print

📖 **Many Moons** by James Thurber, classic story for older children in this level

📖 *MathFocus* **Cut Down to Size at High Noon,** A Math Adventure by Scott Sundby, proportions

📖 *MathFocus* **Beanstock** by The Measure of a Giant by Ann McCallum, proportions

📖 *MathFocus* **Big Numbers** by Edward Packard

📖 Biographical Essay: **Blaise Pascal**, Living Math History by Julie Brennan – written for elementary, older readers

Easy Biography (story-like): A Piece of the Mountain, the Story of Blaise Pascal, Joyce McPherson – (religious content) – Readaloud

📖 **Sold! A Mothematics Adventure**, by Nathan Zimelman (that isn't a typo :o) Calculators aren't much protection at an auction with a pesky moth.

📖 **Newton Biographies** – according to your child's ability

OR **Isaac Newton (Pioneers of Science Series)** easier but out of print by Douglas McTavish

OR **An Ocean of Truth**, Greenleaf press by Joyce McPherson (religious content)

OR **Dead Famous, Sir Isaac Newton** by Kjartan Poskitt (author of Murderous Maths, irreverent in tone)

📖 *MathFocus* **Bat Jamboree** by Kathi Appelt (the bats arrange like Pascal's Triangle)

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📖 **MathFocus** MathStart by Stuart Murphy: Probably Pistachio (Probability L.2) and The Sundae Scoop (Combinations L.2)

📖 **MathFocus** **Pigs At Odds,** Fun with Math and Games by Amy Axelrod

📖 **MathFocus** **Do You Wanna Bet?** Probability, for older children in this level

📖 **MathFocus:** **The Number Devil** by Hans Magnus Enzensberger

📖 **MathFocus:** **The Cat in Numberland** by Hans Magnus Enzensberger

📖 **MathFocus:** **Riddle-iculus Math** by Joan Holub

📖 **The Man Who Made Time Travel** by Kathryn Lasky, picture book version of the incredible story of the navigational clock

📖 **Clocks and More Clocks** by Pat Hutchins, for younger children, fun story about trying to synchronize clocks in a house

📖 **The Clock, Turning Point Inventions** by Trent Duffy, for older children in this level, really nice pictures and informative text

📖 **MathFocus** **Pigs on the Move, Fun with Math and Travel** – Time in irregular increments and time zones

📖 **All in a Day** by Mitsumasa Anno and/or **Somewhere in the World Right Now** by Stacy Schuett – both are nice depictions of time zones and cultural differences between countries all over the world

Some others of 📖 **MathFocus** readers from previous units will be brought in for large number theme, infinity.

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Readers on Division

Zoo Fair Shares, by Patricia Whitehouse (for younger children)
Spaghetti and Meatballs for All! Marilyn Burns Brainy Day book, excellent
How Do Octopi Eat Pizza Pie? I Love Math (oop but excellent if you can find)
Cheetah Math: Learning About Division from Baby Cheetahs by Ann Whitehead Nagda
Stay in Line, Hello Math Reader by Teddy Slater
One Hundred Hungry Ants by Elinor J. Pinczes
Two Hundred Rabbits by Lonzo Anderson
MathStart by Stuart Murphy: **Divide and Ride** (Dividing L.3); Give Me Half! L.2
One Hungry Cat, Hello Math by Joanne Rocklin, a favorite of ours for years
The Great Divide by Dayle Ann Dodds
The Doorbell Rang by Pat Hutchins, a classic
Bean Thirteen by Matthew McElligott
A Remainder of One by Elinor J. Pinczes
Division (Question of Math Book) by Sheila Cato

📖 **𝓜𝓪𝓽𝓱𝓕𝓸𝓬𝓾𝓼 Dr. Wright's Kitchen Table Math Book 1** by Chris Wright, Phd, published by Art of Problem Solving. Parent resource for teaching math in natural ways. See AoPS for TOC, excerpts and to order.
http://www.artofproblemsolving.com/Books/AoPS_B_Item.php?page_id=91