

## Sample Math Resources

### Publications and Online Resources

"Abacus: Mystery of the Bead." *Abacus Tutorial*. Web. 05 Nov. 2012.

<<http://webhome.idirect.com/~totton/abacus/pages.htm>>.

*Ancient Computing (Ancient Technology)*: Michael Woods, Mary B. Woods.

"Annenberg Learner." The Annenberg Foundation. Web. 16 Nov. 2012.

<<http://www.learner.org/index.html>>.

*Anno's Mysterious Multiplying Jar*: Masaichiro Anno.

"Arthur Benjamin Does "Mathemagic"" *TED: Ideas worth Spreading*. Web. 05 Nov. 2012.

<[http://www.ted.com/talks/arthur\\_benjamin\\_does\\_mathemagic.html](http://www.ted.com/talks/arthur_benjamin_does_mathemagic.html)>.

"BrainGenie." CK-12 Foundation. Web. 05 Nov. 2012. <<http://braingenie.ck12.org>>.

*Beyond Base Ten A Mathematics Unit for High-Ability Learners in Grades 3-6*: Dana Johnson

*Can You Count in Greek? - Exploring Ancient Number Systems*: Judy Leimbach and Kathy Leimbach.

"Geogebra." Web. 05 Nov. 2012. <<http://www.geogebra.org>>.

The Geometer's SketchPad. KCP Technologies. Web. 05 Nov. 2012.

<<http://www.dynamicgeometry.com>>.

*Go Figure! A Totally Cool Book about Numbers*: Johnny Ball.

*How Math Works*: Carol Vorderman.

*How Much is a Million*: David M. Schwartz.

*Innumeracy: Mathematical Illiteracy and Its Consequences*: John Allen Paulos.

*The Joy of Mathematics: Discovering Mathematics All Around You*: Theoni Pappas.

*Life of Fred Mathematics*. Web. 05 Nov. 2012. <<http://lifeoffredmath.com>>.

*Knowing and Teaching Elementary Mathematics: Teachers' Understanding of Fundamental Mathematics in China and the United State:* Liping Ma.

“Math.” Annenberg Foundation. Web. 05 Nov. 2012.

<<http://www.learner.org/resources/discipline-math.html>>.

*The Math Dude's Quick and Dirty Guide to Algebra (Quick & Dirty Tips):* Jason Marshall.

Mathematical Etudes. Mathematical Etudes Foundaton. Web. 05 Nov. 2012.

<<http://www.etudes.ru/en/>>

*A Mathematical Mystery Tour: Higher-Thinking Math Tasks:* Mark Wahl.

*A Million Dots:* Andrew Clements.

*The Number Devil: A Mathematical Adventure:* Hans Magnus Enzensberger, Rotraut Susanne Berner, Michael Henry Heim.

*Secrets of Mental Math: The Mathemagician's Guide to Lightning Calculation and Amazing Math Tricks:* Arthur Benjamin, Michael Shermer.

“TEDEd Lessons Worth Sharing.” TED Conferences. Web. 05 Nov. 2012.

<[http://ed.ted.com/lessons?category\\_id=271](http://ed.ted.com/lessons?category_id=271)>.

*Understanding Numbers in Elementary School Mathematics:* Hung Hsi Wu.

*The Universal History of Numbers: From Prehistory to the Invention of the Computer:* Georges Ifrah, David Bello.

"Vedic Math." *Wikipedia*. Wikimedia Foundation, 30 Oct. 2012. Web. 05 Nov. 2012.

<[http://en.wikipedia.org/wiki/Vedic\\_math](http://en.wikipedia.org/wiki/Vedic_math)>.

“Wolfram Alpha.” Wolfram Alpha LLC. Web. 05 Nov. 2012. <<http://www.wolframalpha.com/>>.

## **iPad Apps**

Geometry: GeoBoard, Line Design, SketchPad Explorer, Pythagoras

Algorithms: Multiple Vedic Math Apps

Computing: Count on It, Master Soroban

Graphing Calculators: Free Gra Calc, MathGraph

## **Smartboard Resources**

The Progressive Mathematics Initiative. Center for Teaching and Learning. Web. 05 Nov. 2012.

< <https://njctl.org/programs/> >.

The Smartboard Exchange. Smart Technologies. Web. 05 Nov. 2012.

< <http://exchange.smarttech.com/#tab=0> >.