Math 117: Recommended Websites & Articles



Websites

Hall & Knight (various versions)

[Algebra for schools and colleges](https://openlibrary.org/books/OL20607720M/Algebra_for_Colleges_and_Schools) , MacMillan Co. (1902)

[Algebra for beginners](https://openlibrary.org/works/OL5230279W/Algebra_for_beginners), MacMillan Co. (1897)

[Elementary algebra for schools](https://openlibrary.org/works/OL16327915W/Elementary_algebra_for_schools), MacMillan Co. (1897)

[classic e-Books in Algebra](https://openlibrary.org/search?q=algebra&public_scan_b=true) *(primarily from the 19th century)*

[Wolfram MathWorld](http://mathworld.wolfram.com/)

[John Allen Paulos](http://www.math.temple.edu/~paulos/)

VIDEOS

[Powers of Ten](http://www.youtube.com/watch?v=0fKBhvDjuy0)

[Khan Academy](https://www.khanacademy.org/math/algebra) (algebra)

Films

[The Man Who Knew Infinity](http://www.imdb.com/title/tt0787524/?c=1)

Articles of note

[When people worry about math, the brain feels pain](http://news.uchicago.edu/article/2012/10/31/when-people-worry-about-math-brain-feels-pain)

[*Scientific American*: stories by John Paulos](http://www.scientificamerican.com/author/john-allen-paulos/)

[Mathematics for Literacy](https://www.maa.org/external_archive/QL/pgs75_89.pdf)

[Why do Americans stink at math?  *(New York Times)*](http://www.nytimes.com/2014/07/27/magazine/why-do-americans-stink-at-math.html?_r=0)

[Americans are bad at Math, but it’s not too late to fix it (*New York Times*)](http://www.nytimes.com/2014/08/04/your-money/americans-are-bad-at-math-but-its-not-too-late-to-fix.html)

[Steven Strogatz on the Elements of Math](http://topics.nytimes.com/top/opinion/series/steven_strogatz_on_the_elements_of_math/index.html)  (a series of articles in the NYT, including the “The Joy of x”, “Division and Its Discontents”, “The Enemy of My Enemy”)

[USA tops Math Olympiad (for high school students) for first time in 21 years](http://www.washingtonpost.com/news/morning-mix/wp/2015/07/17/winning-formula-usa-tops-international-math-olympiad-for-first-time-in-21-years/) (Washington Post, 2015)

[Math Mistakes in the News](http://www.tandfonline.com/doi/full/10.1080/10511970.2014.928657?scroll=top&needAccess=true)

*If you are faced by a difficulty or a controversy in science, an ounce of algebra is worth a ton of verbal argument.*

-  J. B. S. Haldane (1892-1964)

