

Resources

Don't let the textbook define your world. Here are some things to explore in order to continue to grow mathematically and as a teacher.

For your classes

- Any book by Martin Gardner.
- Lane County Mathematics Project (Richard Brannan and Oscar Schaff, directors). *Problem Solving in Mathematics* (grades 4-9), Dale Seymour.
- My books on Pentominoes, SuperTangrams, and the Lab Gear. Also *Algebra: Themes, Tools, Concepts*, by Anita Wah and Henri Picciotto, Creative Publications.
- My *Geometry Labs*, and *Zome Geometry*, Key Curriculum Press.
- Landwehr, James M., Swift, Jim and Watkins, Ann E. *The Quantitative Literacy Series*. Dale Seymour.
- Brown, Richard G. *Transformational Geometry*. Dale Seymour (may be out of print)
- Devaney, Robert L. *Chaos, Fractals, and Dynamics*. Addison-Wesley.
- Textbooks by Paul Foerster. Addison-Wesley and Key Curriculum Press.
- Textbooks by Harold Jacobs, WH Freeman
- University of Chicago School Mathematics Project (Scott, Foresman)
- Chakerian, Crabill, and Stein. *Geometry: A Guided Inquiry*.
- Krause, Eugene F. *Taxicab Geometry*
- Kim, Scott, *Inversions*, Key Curriculum Press
- Abbott, Edwin A. *Flatland*, Dover Thrift Editions -- its several sequels by various authors
- Interactive geometry software: *Cabri*, *Cabri 3D*, *Geometer's Sketchpad*
- Dynamic statistics software: *Fathom*
- The computer language Logo, and various books about Logo, even though it is no longer fashionable. Also: various Logo descendants, such as Boxer (from UC Berkeley), and Scratch (MIT).

For yourself

- Much of the above.
- Any book by Martin Gardner (did I already say that?)
- Abelson, Harold and diSessa, Andrea. *Turtle Geometry*. Cambridge, MA: The MIT Press, 1984. Other MIT Press books about Logo.
- Edward R. Tufte, *The Visual Display of Quantitative Information* (1983), and *Envisioning Information* (1990). Cheshire CT: Graphics Press.
- William S. Cleveland, *The Elements of Graphing Data*, Wadsworth, Monterey, CA, 1985.
- Banchoff, Thomas, *Beyond the Third Dimension*, W.H. Freeman

About teaching

- *Making Every Minute Count*, by David Johnson, Dale Seymour.
- The NCTM *Principles and Standards*.
- The NCTM journal: *The Mathematics Teacher*