

Resources

(Note that some of these resources are intended for audiences above or below the level of this course. But they address one or more topics included in this course description and not traditionally taught in high school mathematics.)

Cameron Bauer. (2007). *Algebra for Athletes*, 2nd ed. New York: Nova Science Publishers, Inc.

Nancy Crisler, Patience Fisher, and Gary Froelich. (2000). *Discrete Mathematics Through Applications* (2nd ed.). New York: W. H. Freeman.

For All Practical Purposes, COMAP, 2006.

Diana M. Fisher. (2001). *Lessons in Mathematics: A Dynamic Approach with Applications Across the Sciences*. Lebanon, NH: Stella Software.

Diana M. Fisher. (2005). *Modeling Dynamic Systems: Lessons for a First Course*. Lebanon, NH: Stella Software.

Stephen B. Maurer and Anthony Ralston. (2004). *Discrete Algorithmic Mathematics*. Wellesley, MA: AK Peters.

Mathematical Models with Applications, Science and Engineering module, developed for the Charles A. Dana Center and the Texas Education Agency by CORD, the Concord Consortium and COMAP

Algebra 2 book being produced by the Educational Development Center (EDC), as part of their NSF-funded CME project.

Web Sites

Hong Kong Ministry site on statistics, including mathematical utility, probability, and expected value: philosophy.hku.hk/think/stat

Texas Essential Knowledge and Skills: www.tea.state.tx.us/teks

Mathematics and Statistics College Board Standards for Success. College Board, 2006; available for download at www.collegeboard.com/about/association/academic/standard.html

Secondary Mathematics Expectations (A-E) (in press), based on the mathematics benchmarks developed through the American Diploma Project

Guidelines for Assessment and Instruction in Statistics Education (GAISE), American Statistical Association, especially Level C. 2005; available for download at www.amstat.org/education/gaise

Resource for dichotomous keys: nerds.unl.edu/Pages/preser/sec/skills/dkeys.html