

RESOURCES ON MATHEMATICAL SUCCESS IN THE FIRST YEAR

Last updated: Oct. 30, 2008

PLACEMENT

Dorner, C. D., Hutton, I., "Mathematics Placement Tests and Gender Bias", College and University, 2002, 77(3) 27-31.

Hughes, R. E., Nelson, C. H., "Placement Scores and Placement Practices: An Empirical Analysis," Community College Review, 1991, 19(1), 42-46.

Krawczyk, D., Toubassi, E., "A Mathematics Placement and Advising Program", <<http://enterprise.maa.org/saum/maanotes49/181.html>>

Marshall, J. P., Allen, B. D., "The Development and Implementation of a Mathematics Placement Program", ERIC document ED444850.

Morante, E.A. "Selecting Tests and Placing Students," J. Developmental Ed., 1989, 13 (2), 2-4, 6.

Pearce, K., Anderson, R. M., "The Effects of Placement Examinations and Enforcing Prerequisites on Student Success in Entry-Level Mathematics Courses", <<http://www.math.ttu.edu/~pearce/papers/exams.pdf>>

DEVELOPMENTAL

Boylan, H. R., An Evaluation of the Texas Academic Skills Program (TASP), National Center for Developmental Education, 1996.

Hoyt, J. E., Sorensen, C. T., "Promoting Academic Standards? The Link Between Remedial Education in College and Student Preparation in High School," <www.uvu.edu/ir/pdfs/research/hsfinal.pdf>

McMillan, V.K., Parke, S.J., Lanning, C. A., "Remedial/Developmental Education Approaches for the Current Community College Environment," in J. M. Ignash, ed., Implementing Effective Policies for Remedial and Developmental Education, Jossey-Bass, 1997, 21-32.

Panitz, T., "Sabbatical Report", unpublished manuscript, 180 pages, pdf available from Sterba-Boatwright. (Documents Math Developmental practices at a large number of Community Colleges; has a useful list of what's being tried at various schools)

Weissman, J., Bulakowski, C., Jumisko, M. K., "Using Research to Evaluate Developmental Education Programs and Policies," in J. M. Ignash, ed., Implementing Effective Policies for Remedial and Developmental Education, Jossey-Bass, 1997,

73-80.

CLASSROOM STRATEGIES

Evans, L. "The AHA! Moment: Making Math Concepts Stick," PRINCIPAL Leadership, May, 2008, 17-20.

REPORTS ON OTHER PROGRAMS

Coe, W. W., "Improving Placement and Retention Rates with the Use of Mathematics Review Courses," NADE Digest, 2(2), Fall 2006, 55-62.

Gordon, S. P., Gordon, F., Bauldry, W. C., "A Fresh Start for Collegiate Mathematics: Rethinking the Courses Below Calculus", a presentation at ICTCM, 2007. Powerpoint available from Giraldo or Sterba-Boatwright.

Isam, M., "First Year Math at ASU (Arizona State University)", pers. comm., available from Giraldo or Sterba-Boatwright.

PROFESSIONAL ORGANIZATIONS

Committee on the Undergraduate Program in Mathematics (CUPM), a committee of the Mathematical Association of America, see <<http://www.maa.org/cupm/>>

Current CUPM Recommendations for Introductory Courses, <<http://www.maa.org/cupm/part2a.pdf>>

Curriculum Reform and the First Two Years (CRAFTY), a subcommittee of the CUPM, see <<http://www.maa.org/cupm/crafty/about.html>>; also <http://www.maa.org/cupm/crafty/summary_reports.html> for reports linking mathematical curricula with other disciplines; also "College Algebra Guidelines", pdf report, available from Giraldo or Sterba-Boatwright.

National Center for Developmental Education, see <<http://www.ncde.appstate.edu/>>