

Key Findings of FHDA Research Related to Student Learning

Summary by Bob Barr, Executive Director, IR&P - 6/6/06; Revised 6/7/06

Research by Andrew LaManque, Rob Johnstone, and Lourdes Del Rio Parent, IR&P Researchers

Success Rates in Basic Skills Courses

Math, all classes 2004-05: 64% Foothill, 63% De Anza

English, all classes 2004-05: 79% Foothill English, 82% De Anza English Writing

ESL, all classes 2004-05: 87% Foothill, 81% De Anza

Source: Bob Barr, Program Review Data Sheets, Fall 2005

Flow (tracking) through Basic Skills Sequences (new students over 4 years)

Foothill Arithmetic (Math 200) to College Level success: 11%

De Anza Arithmetic (Math 200) to College Level success: 12%

Foothill ENLG100 start to ENLG1A success: 38%

De Anza EWRT100A start to EWRT1A success: 46%

Foothill ENLG100 start to ENLG1B success: 24%

De Anza EWRT100A start to EWRT1A success: 31%

Foothill ESL150 (three levels below) start to ESL26 success: 26%

De Anza ESL150 (three levels below) start to ESL5 success: 16%

Source: Rob Johnstone, Basic Skills Cohort Tracking, April 2006, averaged over 5 cohorts

Basic Skills Grades and Subsequent Success in Next Class (Foothill)

Math: Success rate with A in prior Math class: 83%

Math: Success rate with B in prior Math class: 54%

Math: Success rate with C in prior Math class: 30%

Math: Success rate with No prior Math class: 65%

ENGL110 Success rate with A in ENGL100: 85%

ENGL110 Success rate with B in ENGL100: 76%

ENGL110 Success rate with C in ENGL100: 59%

ENGL110 Success rate with NO prior English: 77%

ENGL1A Success rate with A in prior ENGL or ESL: 90%

ENGL1A Success rate with B in prior ENGL or ESL: 74%

ENGL1A Success rate with C in prior ENGL or ESL: 40%

ENGL1A Success rate with NO prior ENGL or ESL: 78%

Source: Rob Johnstone, Basic Skills Student Success Analysis, Fall 2003

Success in Business & Social Science Courses with Successful Completion of Basic Skills (Foothill)

Success rate in BSS courses with successful completion of ENGL100: 65%

Success rate in BSS courses with successful completion of ENGL110: 71%

Success rate in BSS courses with successful completion of ENGL1A: 82%

Success rate in BSS courses with successful completion of ENGL1B: 86%

Success rate in Econ1, Acct1, Astr10 with successful completion of Math101: 61%

Success rate in Econ1, Acct1, Astr10 with successful completion of Math105: 68%

Success rate in Econ1, Acct1, Astr10 with successful completion of College Level Math: 85%

Source: Rob Johnstone, Basic Skills Student Success Analysis, Fall 2004

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Success In LinC Courses Compared to Similar Non-LinC Courses (De Anza)

Success rate in LinC courses: 81%

Success rate in Similar Non-LinC courses: 74%

LinC involves more than 200 students each term in 10 to 15 LinC sections
1,401 have participated in LinC over four years, 1998W to 2002F

Source: Andrew LaManque, LicC Study, May 2003

Success Rates in Math Performance Success (MPS) (De Anza)

Math 101: MPS students 82%, Non-MPS students 49%

Math 105: MPS students 85%, Non-MPS students 56%

Math 10: MPS students 92%, Non-MPS students 62%

Success rate in Math105 with A grade in Math101; MPS students 100%, Non-MPS students 82%

Success rate in Math105 with B grade in Math101; MPS students 86%, Non-MPS students 60%

Success rate in Math105 with C grade in Math101; MPS students 63%, Non-MPS students 40%

Fall Math 101 students success rate in Math105 by end of following fall: MPS 85%, Non-MPS 48%

Source: Andrew LaManque, MPS Program Study, reported March 2005

Success Rates in Pass the Torch Program (Foothill)

Math 200: PTT 64%, Non-PTT 50%

Math 101: PTT 55%, Non-PTT 42%

Math 105: PTT 52%, Non-PTT 43%

Math 10: PTT 77%, Non-PTT 60%

Engl 100: PTT 80%, Non-PTT 69%

Engl 110: PTT 90%, Non-PTT 66%

Engl 1A: PTT 75%, Non-PTT 66%

1997 Cohort Persistence to end of 2nd year: PTT 73%, Non-PTT 28%

1998 Cohort Persistence to end of 2nd year: PTT 78%, Non-PTT 40%

Pass the Torch has served over 1,200 students since founding in 1996

Source: Lourdes Del Rio Parent, Pass the Torch FIPSE Evaluation, Jan 2003

Success Rates in EnableMath Pilot (De Anza)

Math 210: EnableMath 69%, Others 59%

Math 112: EnableMath 73%, Others 61%

Math 114: EnableMath 69%, Others 55%

EnableMath involves about 250 students at this time

Source: Andrew LaManque, EnableMath Study, Apr 2006

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Success Rates in Puente English Course Sections (De Anza)

EWRT100B: Puente 93%, Non-Puente 80%

EWRT1A: Puente 86%, Non-Puente 82%

Puente involves about 100 students

Source: Andrew LaManque, Puente English Course Analysis, Feb 2006

Counseling 100 and Student Persistence

Coun100 students persist to a year later at a 69% rate

Non-Coun100 students persist to a year later at a 29% rate

Coun100 students with transfer goal persist to a year later at a 70% rate

Non-Coun100 students with transfer goal persist to a year later at a 31% rate

Coun100 involves about 2,200 students each late summer/early fall

Source: Andrew LaManque, Counseling 100 Course Analysis, 2003

Best Practices or Principles Identified or Support by Our Research

- o Cohorts of learners create supportive peer groups and long-term relationships.
- o Additional student time on task works.
- o Programs of small size create community and work.
- o Staff belief in students' ability to succeed works.
- o Combining basic skills with other subjects works.
- o Students succeeding first in basic skills succeed at higher rates in other courses
- o Students succeed who learn the fundamentals well.
- o New students taking orientation courses persist at much higher rates than those who don't.
- o Placement recommendations work if followed by the student
- o Learning styles and readiness matter.
- o Student support services make a difference when used.
- o Early success matters a lot.
- o Developing learning skills early on and continually reinforcing them works.
- o Sometimes an extended time to complete works better.

Note: See "Nine Research Summaries Related to Student Learning" as summary source material for finding listed above. Posted to IR&P Web Site under Research Reports
Success rates is defined as percentage of all student grades in a class of C or better.