

## Action Project

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**Institution:** Seward County  
Community College

**Submitted:** 2007-11-14      **Contact:** Cynthia Rapp

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### Timeline:

Planned project kickoff date: 10-01-2007

Target completion date: 08-31-2008

Actual completion date: --

A. Give this Action Project a short title in 10 words or fewer:

Mapping Conceptual and Skills Mastery in Developmental Mathematics

B. Describe this Action Project's goal in 100 words or fewer:

The department will continue work to determine what conceptual mastery will be emphasized in each developmental math course based on curriculum mapping of content, skills, and assessment, to increase the success rate of students, including those who earn a C in a prerequisite course.

C. Identify the single AQIP Category which the Action Project will most affect or impact:

Primary Category: Helping Students Learn

D. Describe briefly your institution's reasons for taking on this Action Project now -- why the project and its goals are high among your current priorities:

Many SCCC students arrive underprepared to do college level work in mathematics and therefore require developmental education to increase their chances of success in college level courses. A previous Action Project identified possible problems in course curriculum and sequencing and in success rates of students who earn a "C" in the previous course. Curriculum mapping is an essential next step in identifying strategies that support a successful transition from one developmental math course to another.

E. List the organizational areas - institutional departments, programs, divisions, or units -- most affected by or involved in this Action Project:

Mathematics Department Academic Affairs Council: Developmental Education & General Education Information Technology Department: Data collection

F. Name and describe briefly the key organizational process(es) that you expect this Action Project to change or improve:

Curriculum sequencing Data collection Advising Assessment of student learning Enrollment Process

G. Explain the rationale for the length of time planned for this Action Project (from kickoff to target completion):

This project will be done primarily by the mathematics faculty. There will be time issues due to ongoing classes and difficulty in meeting more than once a week through the fall and spring semesters. Core conceptual and skills competencies will be identified and mapped for each developmental math course leading to and including College Algebra. Success rates of two groups of College Algebra students will be compared: students appropriately placed in the course and those who are attempting the course after waiving placement recommendations for developmental courses.

H. Describe how you plan to monitor how successfully your efforts on this Action Project are progressing:

The following will be reported at the monthly AQIP Steering Committee meeting: • Progress on the mapping and the analysis of the curriculum maps. • The comparison of success rates for students who follow placement recommendations to those who do not follow them. Bonnie Mautz and Luke Dowell are co-leaders on this action project, and Bonnie Mautz is also a member of the Steering Committee.

I. Describe the overall "outcome" measures or indicators that will tell you whether this Action Project has been a success or failure in achieving its goals:

1. Completion of the curriculum maps and analysis of core conceptual and skills competencies for each course, including where in the sequence mastery should take place. 2. College Algebra success rate comparisons between the student cohort following placement recommendations and the student cohort that does not follow placement recommendations.

J. Other information (e.g., publicity, sponsor or champion, etc.):

Bonnie Mautz, Mathematics Department Luke Dowell, Mathematics Department Troy Bowles, Mathematics Department Brad Kern. Mathematics Department Frances Brown, Developmental Math Todd Carter, Division Chair

K. Project Leader and contact person:

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