## Stark State College

Product Used<br>Course Names Developmental Math Sequence

Stark State College used MyMathlab in its Developmental Math course redesign as part of the Changing the Equation (CTE) National Center for Academic Transformation/Gates Foundation grant. All CTE participants implemented the Emporium Model at their two-year institutions. This white paper documents the best practices drawn from these CTE schools.

## Course Implementation

Stark State College (SSC) is an open-enrollment institution. As such, completion rates in each course were below the national average. Completion rates in College Math were 32-36\%; rates in Introduction to Algebra and Intermediate Algebra were usually in the mid 40 s . In the traditional format, Introduction to Algebra, and Intermediate Algebra-were offered as traditional, lecture-style classes. College-wide enrollment has increased by $30 \%$ for the past three years and is expected to continue to do so. Developmental math has seen an even bigger annual increase.

## Results and Data

The math department measured learning outcomes using common content items on departmental midterms and finals in traditional courses with similar questions on module posttests in the redesign (table I).

## Other Impacts on Students

- Students who completed the redesigned courses


## Implementation

There were two goals for the redesign: I) to better prepare students for College Algebra and Statistics, and 2) to increase the number of students exiting developmental math and entering college-level courses.

In the redesign, the three courses were split into 18 modules, and then again into three sets with six modules in each course. The redesigned courses required $80 \%$ mastery on homework, quizzes, and tests; which essentially made all three courses A/B courses. completed College Algebra at a rate of over $90 \%$.

- Students who accelerated and finished their developmental math sequence early saw a substantial cost and time savings.
- SSC combined all three courses' books into one book. The cost of that book stayed the same as any one of the previous books, so the students saw a $66 \%$ savings in textbooks over three semesters.


## Conclusions

Stark State is committed to redesign using MyMathLab in the Emporium Model for the foreseeable future.

