

OCC FAST FACTS

- Founded in 1962
- 13,000+ annual student enrollment
- 280 acres just outside Syracuse
- Offers nearly 50 programs
- One of 30 community colleges in the SUNY system
- Selected for Achieving the Dream National Reform Network

ABOUT MATHBOOSTER FOR ACCUPLACER

Querium's MathBooster for Accuplacer is a personalized and adaptive review program designed to prepare students for the test on their smartphones.

- Personalized to student's needs
- 70+ bite-sized video math lessons
- Over 1750 Accuplacer-style practice questions with explanations
- Intervention starting with 6th grade concepts
- Mobile first! Works on smartphones, tablets, and computers

CONTACT INFORMATION

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62% of Students Raise Accuplacer Math Score, Reducing Need for Developmental Coursework



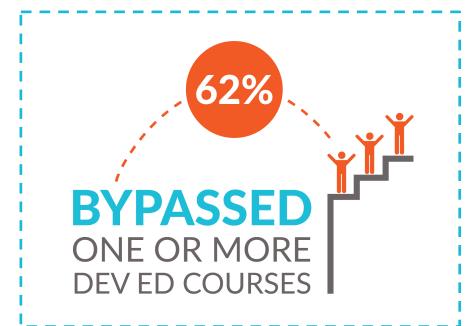
MOBILE LEARNING PROGRAM INCREASES MATH PROFICIENCY

With the help of Querium's MathBooster for Accuplacer, a mobile-ready review program designed for the national placement exam, 62% of participating students placed high enough to avoid at least one developmental math course after re-taking the Accuplacer, while 42% eliminated the need for developmental courses completely.

CHALLENGE

High Number of Students Placed in Dev Ed Math Classes

Onondaga Community College (OCC), a community college affiliated with the SUNY system, is committed to putting students first and fostering an environment of continual improvement, integrity, and accountability among its students. Like the vast majority of community colleges throughout the United Statesⁱ, OCC annually faced an alarming 75% of students placed into non-credit developmental math courses after taking the Accuplacer. Recent studies showⁱⁱ that assigning students to remedial math courses exacerbates their risk of dropping out. OCC



sought to reduce that percentage with a plan to enable students to perform their best on the placement assessment.

SOLUTION

Boost Students to College-Ready Level Math

“MathBooster’s personalized and mobile format made it the preferred option for students.”

- Naomi Stewart
Testing Services Coordinator

OCC worked to increase math proficiency among community college students with the help of MathBooster for Accuplacer — a program created by Austin, TX ed-tech company, Querium. In a beta test conducted among community colleges in Texas during

Spring 2014, Querium found that 55% of students who used the MathBooster program after initially placing into developmental courses raised their scores on the TSI Assessment (a Texas college placement exam comparable to the Accuplacer) above a cut line, thereby reducing or eliminating the need for remedial coursework. Hoping to achieve similar results with OCC students and to save them time, money, and stress, OCC began providing the program free of charge to its students in January 2015.

IMPLEMENTATION

Free Remediation Offered to Students

Of the students immediately entering OCC following high school graduation, those who did not successfully complete high school level Pre-Calculus or Calculus (C/75 or better) were required to take the math portion of the Accuplacer. Entering students who had not graduated high school in the last three years or had not scored a 500 or above on SAT Math or 21 or above on the ACT-math section AND indicated a program of STEM-related study were also required to test, as well as non-STEM students who wished to take a higher level math than 112, 113, and 114. In total, 3,401 students were required to take the math portion of the Accuplacer during the 2015 spring and summer semesters.

Of these students, 2,566 (75%) were placed into non-credit, developmental math courses as a result of their Accuplacer placement scores. In order to avoid these courses, students were given the option to

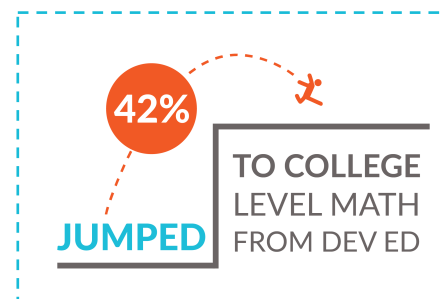
“It was nice to practice and actually learn from a video about subjects that I had forgotten all about.”

– OCC Student

re-take the test upon completion of a remediation program offered free of charge by the college — MathBooster for Accuplacer or a live workshop with OCC instructors. If students chose not to take advantage of either of these options or did not complete the one chosen, they could enroll directly into developmental math. A majority of students chose the MathBooster program for remediation over the live workshop.

RESULTS

Reduced Number of Students in Dev Ed Classes



62% of students who chose Querium’s MathBooster for Accuplacer as a remediation option raised their Accuplacer scores above a cut line, allowing them to skip at least one developmental course. 42% moved from developmental math to college ready, altogether eliminating the need for remedial coursework.

Students enjoyed using MathBooster and the added testing confidence it provided

them. As one student said, “It was nice to practice and actually learn from a video about subjects that I had forgotten all about.” Another student expressed a desire to have prepared with MathBooster before initially taking the test: “Had I used MathBooster before taking the placement test the first time, I feel as though I would have done much better.”

The school’s administration also found the program to be beneficial to students. According to Naomi Stewart, OCC’s Testing Services Program Coordinator, “MathBooster’s personalized and mobile format made it the preferred option for students testing for the first time or for re-testing. Students are always asking for review options, and this is a great one.”

After the success of MathBooster for Accuplacer at OCC, the school looks forward to providing the program to future students who wish to avoid developmental math coursework.

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ⁱ Bailey, Jeong, & Cho. *Referral, Enrollment, and Completion in Developmental Education Sequences in Community Colleges*. CCRC, 2008.

ⁱⁱ Jaggars & Stacey. *What We Know About Developmental Education Outcomes*. CCRC, 2014