

The Changing Role of Developmental Education and Gateway Course Faculty

A New Approach to Math Remediation

Sarah Roberts, Ph.D., Vice President of Academic Affairs, Nashville State Community College

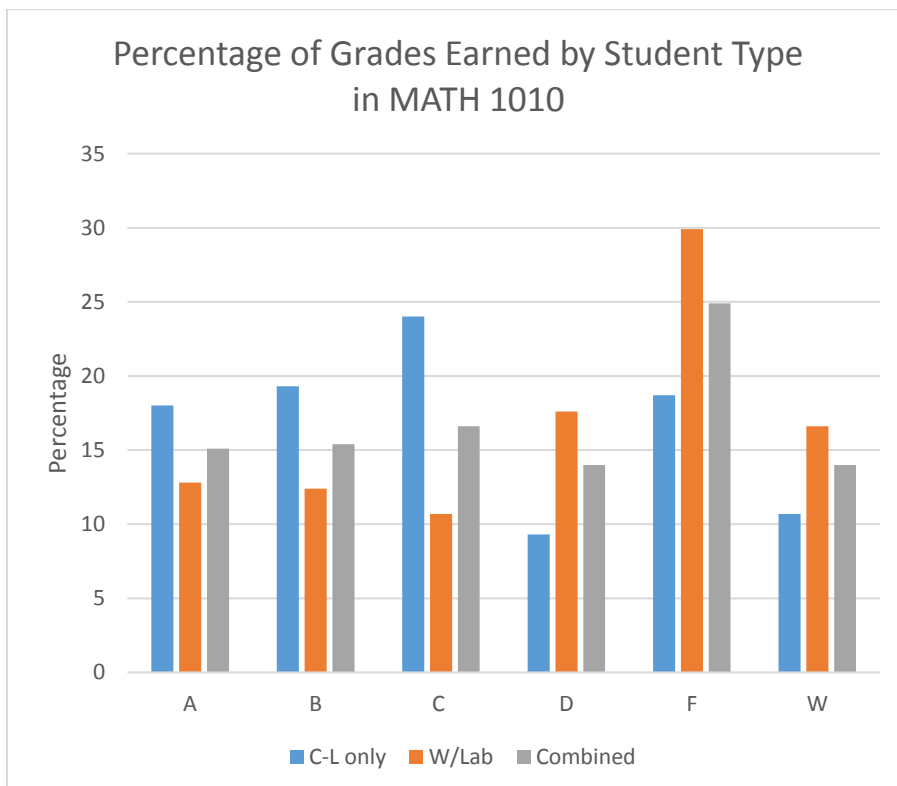
Historic approach of stand-alone math remediation (“learning support”) was unsuccessful.

Year	LSM success rate	1 st college-level math success rate	Theoretical likelihood of success of LS student in CL math after two semesters
2013	58.10%	51.23%	$58.10 * 51.23 = 29.76\%$
2014	54.79%	58.98%	$54.79 * 58.98 = 32.32\%$

Data from NCCBP reports

To scale of co-requisite learning support lab in fall 2015.

Four options for co-requisite remediation of math.



Course:	Pass rate of college prepared students	Pass rate of co-requisite students	Combined pass rate
MATH 1000	73.2% (N = 171)	64.5% (N = 217)	68.3% (N = 388)
MATH 1010	70.7% (N = 150)	53.5% (N = 187)	61.1% (N = 337)
MATH 1530	65.1% (N = 636)	41.2% (N = 430)	55.4% (N = 1066)
MATH 1630	75.8% (N = 264)	45.4% (N = 130)	64.7% (N = 394)

No correlation between underprepared student success in college-level class and class size or support lab size.

Correlation between student attendance in support lab and success in college-level class.

MyMathLab®

- My Courses
- Manage Course >
- Course Home
- Homework
- Quizzes & Tests
- Study Plan
- Gradebook
- Chapter Contents >
- Student Organizer
- Video Notebook
- Student's Solutions Manual
- Tools for Success
- Multimedia Library
- Pearson Tutor Services
- Discussions
- Course Tools >
- Instructor Resources

Homework

[MATH 1000 MASTER - WITH lab/WITH prereqs](#) > HOMEWORK AND TESTS

Homework and Tests: Homework

Show All
Homework
Quizzes & Tests
Chapter

Due	Assignment
	Using Mymathlab (Optional)
	Prepare for Module 1 - Embedded Review
	Module 1 - HW 1 - Solving Linear Equations <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> <ul style="list-style-type: none"> You must score at least 80% on Prepare for Module 1 - Embedded Review before working on any remaining attempts on this assignment. </div>
	Module 1 - HW 3 - Slope and y-intercept of a Line
	Module 1 - HW 4 - Graphing Lines with Technology
	Prepare for Module 2 - Embedded Review
	Module 2 - HW 1 - Rules of Exponents
	Module 2 - HW 2 - Adding Polynomials
	Module 2 - HW 3 - Subtracting Polynomials
	Module 2 - HW 4 - Multiplying Polynomials
	Module 2 - HW 5 - Dividing Polynomials by Monomials
	Prepare for Module 3 - Embedded Review
	Module 3 - HW 1 - Finding & Factoring out the GCF
	Module 3 - HW 2 - Factoring by Grouping
	Module 3 - HW 3 - Factoring Trinomials with a = 1