

## HOW TO REDESIGN A DEVELOPMENTAL MATH PROGRAM BY USING THE EMPORIUM MODEL

### Bibliography

#### What Is the Math Emporium and What Makes It So Successful?

[Math Lectures: An Oxymoron?](#)

An article summarizing what NCAT has learned about improving student success in mathematics.

[The Math Emporium: Higher Education's Silver Bullet](#)

A 2011 *Change* magazine article summarizing the successes produced by the Emporium Model.

#### Developmental Math Redesign Case Studies

[Developmental Courses: An Oxymoron?](#)

An article describing a redesign program in developmental math and English conducted by NCAT in partnership with the Tennessee Board of Regents.

[Increasing Success in Developmental Math: Following the NCAT Playbook](#)

An article describing Cleveland State Community College's redesign of its developmental math program.

[Increasing Success in Developmental Math: SMART Math at Jackson State Community College](#)

An article describing Jackson State Community College's redesign of its developmental math program.

#### Issues in Developmental Math Reform

[Does A Nursing Student Really Need to Solve Rational Equations?](#)

An article discussing a curricular approach to developmental math reform.

[Education Delayed Is Education Denied](#)

An article describing how modularizing developmental math courses can accelerate student progress toward college-level courses.

[The State of Developmental Math: It's Far Worse Than You Think](#)

An article describing the problem of grade inflation in developmental math courses.

#### Changing the Equation (2009–12)

Changing the Equation was a major program funded by the Bill & Melinda Gates Foundation to engage the nation's community colleges in a successful redesign of their remedial/developmental math sequences. Thirty-two institutions improved student learning outcomes while reducing costs for both students and institutions by using NCAT's proven redesign methodology.

[Changing the Equation Program Description](#)

A full description of the program's purposes and its place in the panoply of developmental math reform.

[Changing the Equation Final Report](#)

An article describing the outcomes and lessons learned from Changing the Equation.

[Improving Learning and Reducing Costs: Outcomes from Changing the Equation](#)

A 2013 *Change* magazine article describing the outcomes and lessons learned from Changing the Equation.