

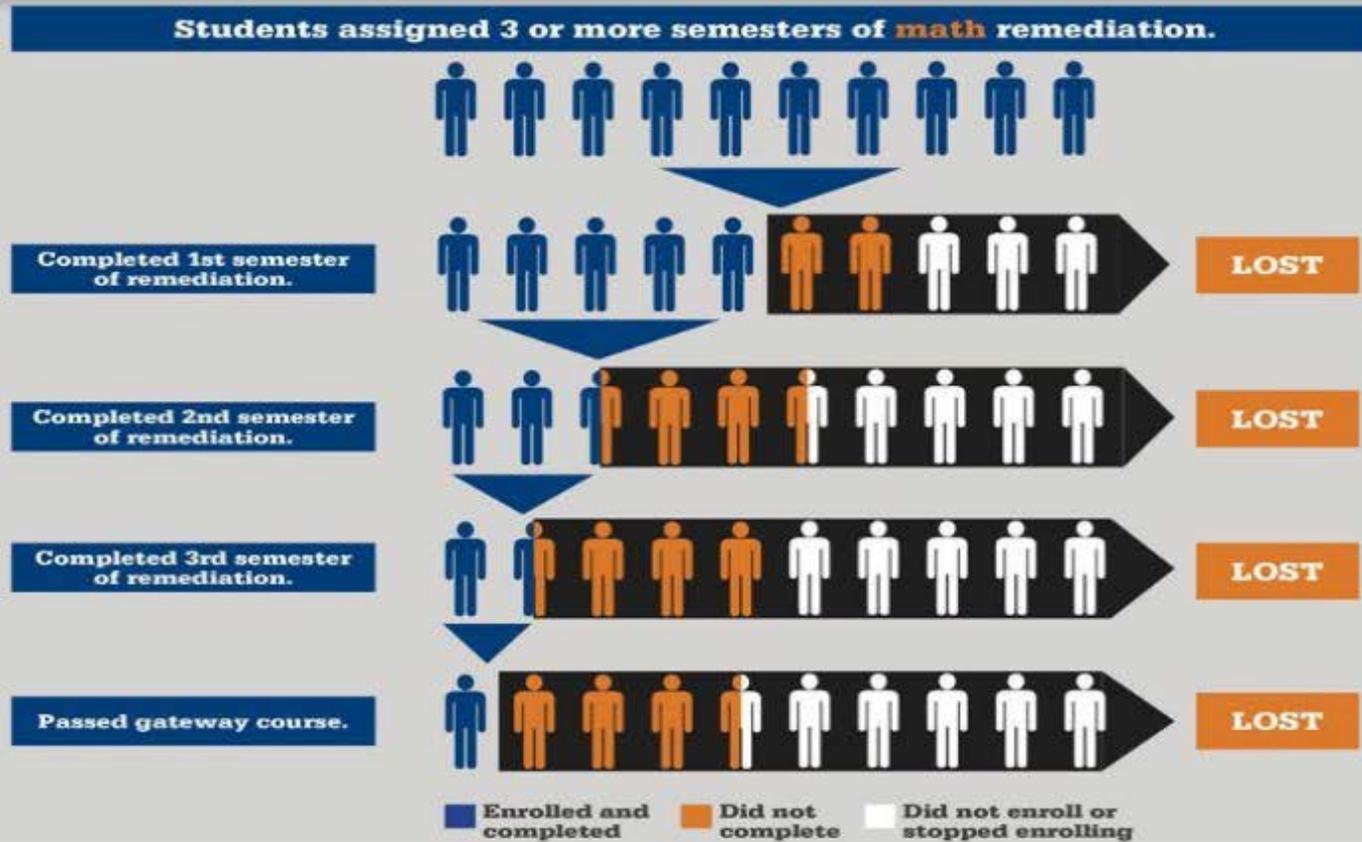
Student Success Initiatives in the Classroom

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What we know.

Remediation: The effect of attrition.



KNOW THIS

The remediation system is broken. More students quit than fail.

Algebra Skills needed for Statistics

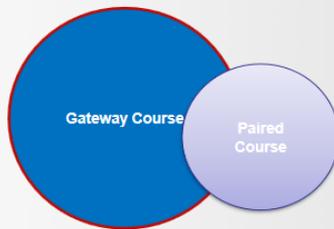
Table of Contents from a traditional Elementary & Intermediate Algebra text

- **Chapter 1: Some Basic Concepts of Arithmetic and Algebra**
 - 1.1. Numerical and Algebraic Expressions (23)
 - 1.2. Prime and Composite Numbers (20)
 - 1.3. Integers: Addition and Subtraction (25)
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 - 1.5. Use of Properties (21)
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 - 2.4. Exponents (22)
 - 2.5. Translating from English to Algebra (22)
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 - 3.5. Inequalities (21)
 - 3.6. Inequalities, Compound Inequalities, and Problem Solving
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 - 15.6. Systems Involving Nonlinear Equations (23)

Examples of Models

Paired Course Model

- Provides support skills in a separate course aligned to the learning objectives of the gateway course. The separate course is paired with the gateway course and delivered in the same semester.



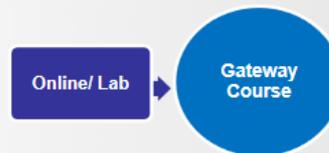
101 Plus Model

- Offers academic support as an extension of the gateway course



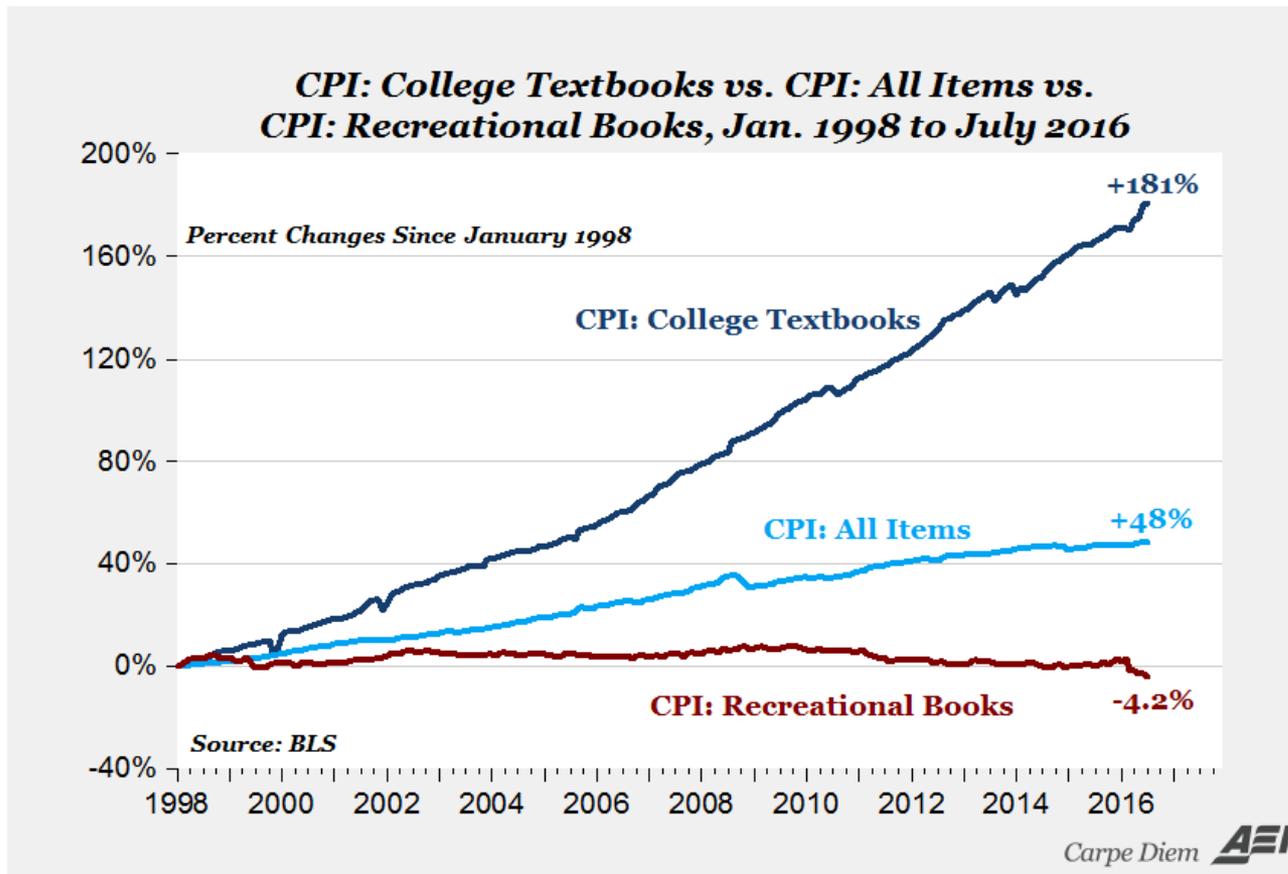
Technology-Mediated Model

- Requires students to complete online lab support.



Understanding the issues of cost

How many instructors at your institution know the bookstore cost of materials for their course?



Textbook Costs Affect Students, Enrollment, and Completion

THERE IS A DIRECT RELATIONSHIP BETWEEN TEXTBOOK COSTS AND STUDENT SUCCESS

66.5%+ do not purchase textbooks at some point due to cost



47.6% take fewer courses due to textbook cost



45.5% choose not to register for a course due to textbook cost



37.6% earn a poor grade



26.1% have dropped a course due to textbook cost



19.8% have withdrawn from a course due to textbook cost



Source: 2016 student survey by Florida Virtual Campus

Resources.

WHERE TO GO



Open Textbook Network



OPEN TEXTBOOK NETWORK



openstax™ COLLEGE



BOUNDLESS



O E R COMMONS
OPEN EDUCATIONAL RESOURCES



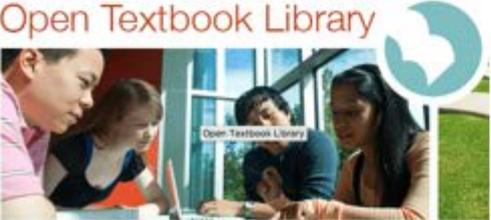
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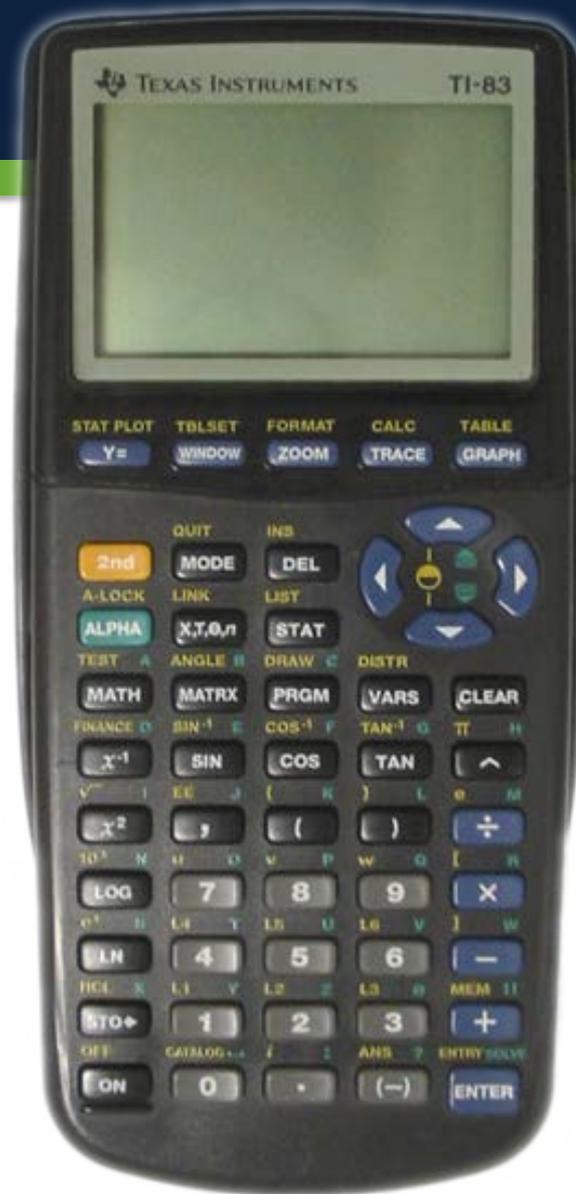
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A banner image featuring a group of people sitting around a table in a meeting. Overlaid on the image is the logo for the Ohio OpenEd Collaborative. The logo consists of the word "OHIO" in green, "OpenEd" in orange with a stylized circuit icon between "Open" and "Ed", and "COLLABORATIVE" in orange below it. Underneath the logo is the tagline "ADOPT + SHARE + CREATE + LEAD" in purple. At the bottom of the banner, the text "Create, adopt, and utilize open materials for many of Ohio's high enrollment courses." is written in white.

OHIO
OpenEd
COLLABORATIVE
ADOPT + SHARE + CREATE + LEAD

Create, adopt, and utilize open materials for many of Ohio's high enrollment courses.



File Home Insert Page Layout Formulas Data Review View Developer Acrobat Tell me what you want to do...

Clipboard Font Alignment Number Conditional Formatting Table Styles Insert Delete Format Cells Editing

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Hypothesis Testing for the Proportions									Optional: Use if p-hat is not given			
2									Successes	47		\hat{p}	0.47000
3	Null Hypothesis	$H_0: p$	=	0.50000		Right Tailed Test			Trials	100			
4	Alternative Hypothesis	$H_a: p$	>	0.50000									
5													
6	Sample Proportion \hat{p}			0.47000									
7	Sample Size n			220									
8	Level of Significance α			0.050									
9													
10	z-Test for Proportion												
11		z-score (test statistic)		-0.88994									
12		z_0 Critical Value(s)		1.64485									
13													
14		p-value		0.81325									
15													
16													
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18													
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Questions?

Please don't hesitate to reach out!

nshay@cotc.edu

