

OKLAHOMA STATE DEPARTMENT OF
EDUCATION
— CHAMPION EXCELLENCE —

Creating Math-ways to College and Career Success

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Welcome

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Link to Presentation:



College Career Math Ready (CCMR)

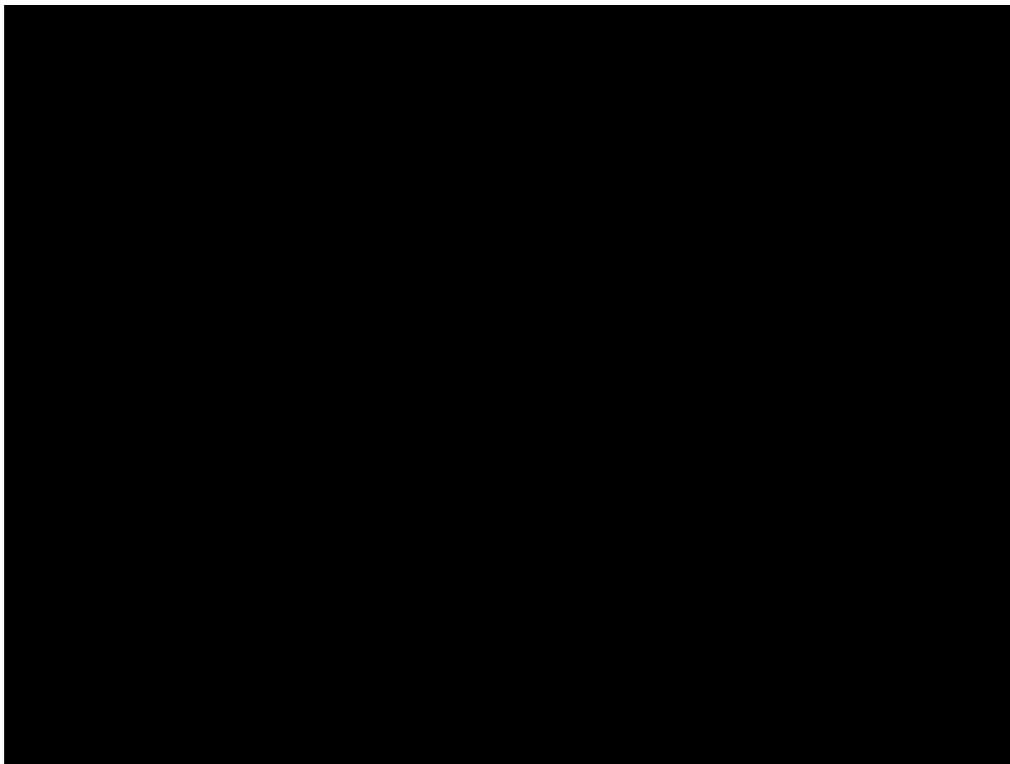
- 4th Year Math Elective
- Prepares students for future college and career mathematics
- Focuses on the “why”/process of mathematics
- Engages students in real-world applications
- Develops Critical Thinking Skills
- Middle School, Algebra 1, Geometry, and Algebra 2 standards

**How does this
course compare to
other math classes?**



Sample Entry Event: Unit 1

College Career Math Ready



Guess how many pushups Bucky had to do over the entire game.



Sample Entry Event: Unit 1

Bucky the Badger: Group Activity

Reading Manager

- Reads ALL parts of the assignment and problems out loud to the group (others follow along).
- Ensures group members understand assignments.
- Keeps group focused on the task(s).

Spying Monitor

- Monitors group progress relative to other groups.
- Checks in with other groups for comparison.
- Only member in group that can talk/ask questions outside of group.



Sample Entry Event: Unit 1

Bucky the Badger: Group Activity

Quality Controller

- Ensures that all group members can **EXPLAIN** and **JUSTIFY** each response (random checks occur by management).
- Makes sure members are completing **ALL** problems in appropriate notebook.
- Keeps group supplies organized and neat.
- Reports missing items.

Recording Time Keeper

- Keeps track of time.
- When asked, shares group responses.
- Responsible for ensuring “public record” (posting of answers, group posters, etc.) is completed.



Sample Entry Event: Unit 1

Bucky the Badger: Discussion





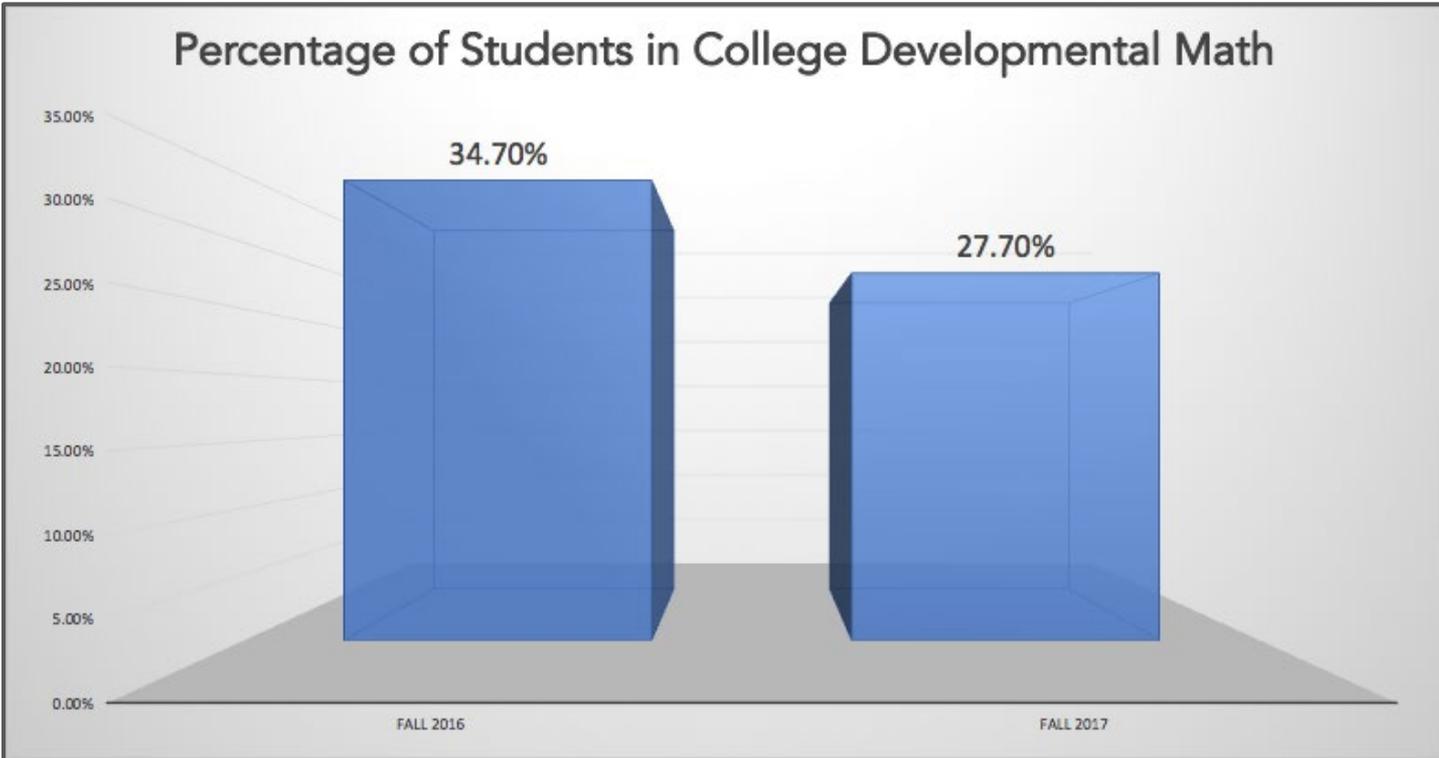
Benefits of CCMR

- Students gain a deeper understanding of mathematics concepts and processes
- Students collaborate and engage in 21st-century skills
- Working to decrease the number of students in college-level remediation
- Typical gains of 2-3 ACT points
(Participating schools did not use the SAT)



Remediation Rates

Oklahoma Students, Fall 2016 and Fall 2017





CCMR Success Rates

Students who earned below a 19 on ACT

CCMR Success (compared to no senior year math course)

College Algebra Success Rate	2% higher
College Developmental Success Rate	18% higher
Enrollment in College Developmental Math	14.2% lower



CCMR Success Rates

Students who earned a 19 or above on ACT

CCMR Success (compared to no senior year math course)

College Developmental Success Rate	17.7% higher
Enrollment in 1000 level (on-level) College Math Courses	7.4% higher



Benefits of CCMR

“I'm learning more with this program than I have in years past with a more traditional approach.”

“Students have told me it's the hardest they have ever worked in a math class...but it's the most fun they have ever had.”

“It is easily the best math course I've ever taken.”



Elevate

Multiplying Opportunities for All Students





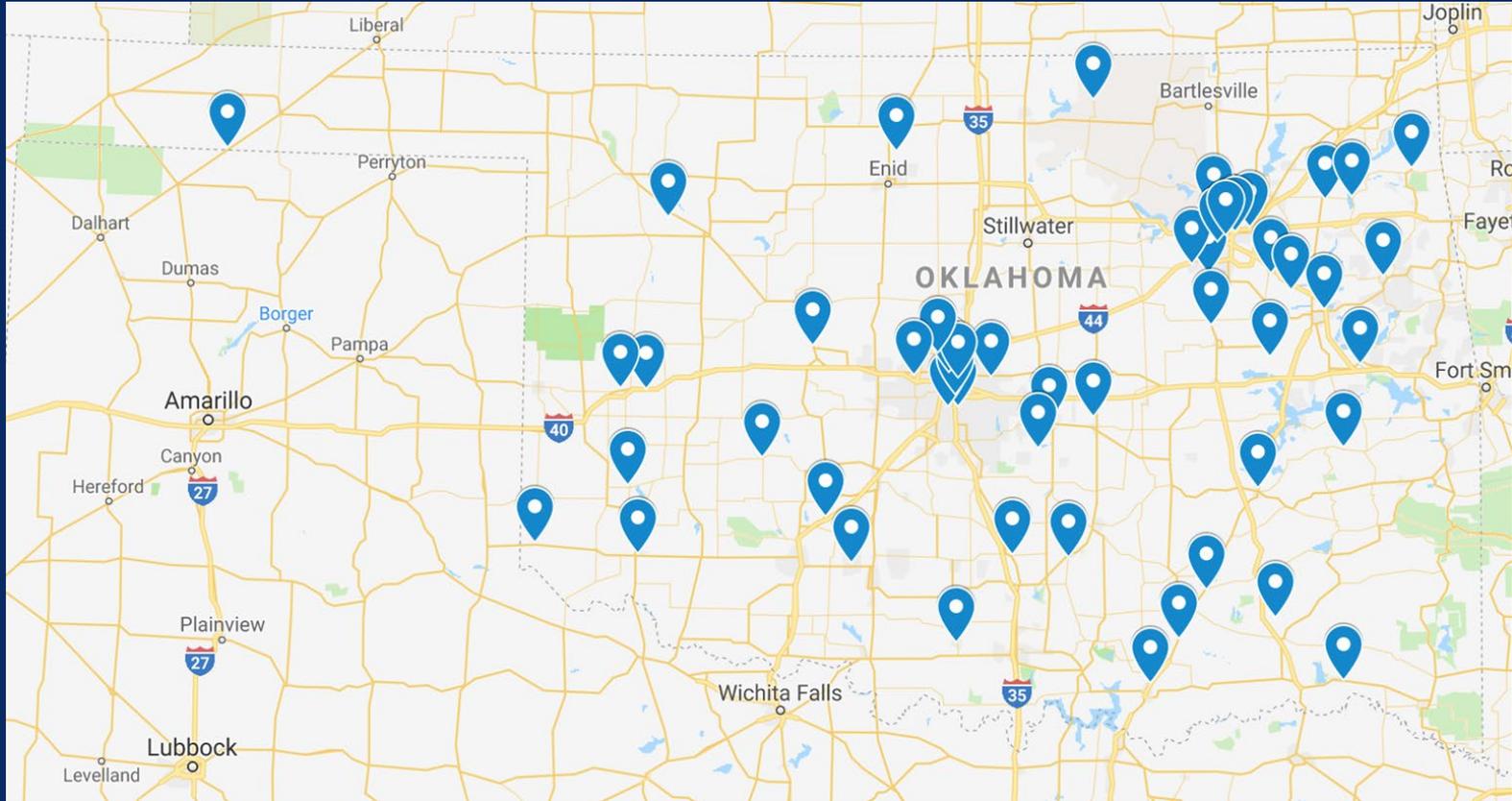
CCMR Participants

- Students who have taken Algebra II but would benefit from additional support in mathematics
- Students who have earned a 13-18 on their ACT or 720-1100 on the SAT
- Students who would benefit from a “refresher”/ remediation course (or who would otherwise not take a fourth-year math course)
- Students who would be candidates for remedial math coursework in college



Implementation

- **Teacher Training September 20-21, March 6-7, June**
 - ◆ March 6-7- Oklahoma City | [Registration Link](#)
 - ◆ June 1-2- Rose State College | [Registration Link](#)
- Instructional Materials available for free at <http://sreb.org/math-ready>



2018-2019 CCMR Implementation



Resources

- [Oklahoma State Department of Education](#)
- [Fast Facts about College Career Math Ready](#)
- [Coursework](#)
- [Frequently Asked Questions](#)



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