



MOORPARK COLLEGE

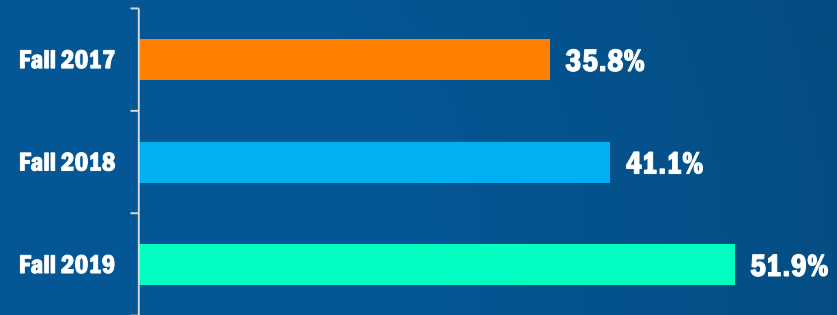
AB 705 UPDATE

MATH AND ENGLISH ENROLLMENT



**MORE STUDENTS ARE
ENROLLED IN TRANSFER
LEVEL MATH AND
ENGLISH IN ONE YEAR**

MATH FIRST-TIME COHORT *(Percent enrolled in first year)*



ENGLISH FIRST-TIME COHORT *(Percent enrolled in first year)*



*Note: 1 year includes fall, spring, summer

MOORPARK MATHEMATICS



What We've Done

- Eliminated Courses three levels below transfer level (Basic Math and Pre-Algebra)
- Reduced the number of Elementary Algebra and Intermediate Algebra course offerings
- Created two new transfer-level courses:
 - College Algebra for Liberal Arts
 - Mathematical Reasoning (steer more students toward)
- Created Support Corequisite Courses for three courses, offering students 1-2 extra hours per week with the instructor to practice basic skills.



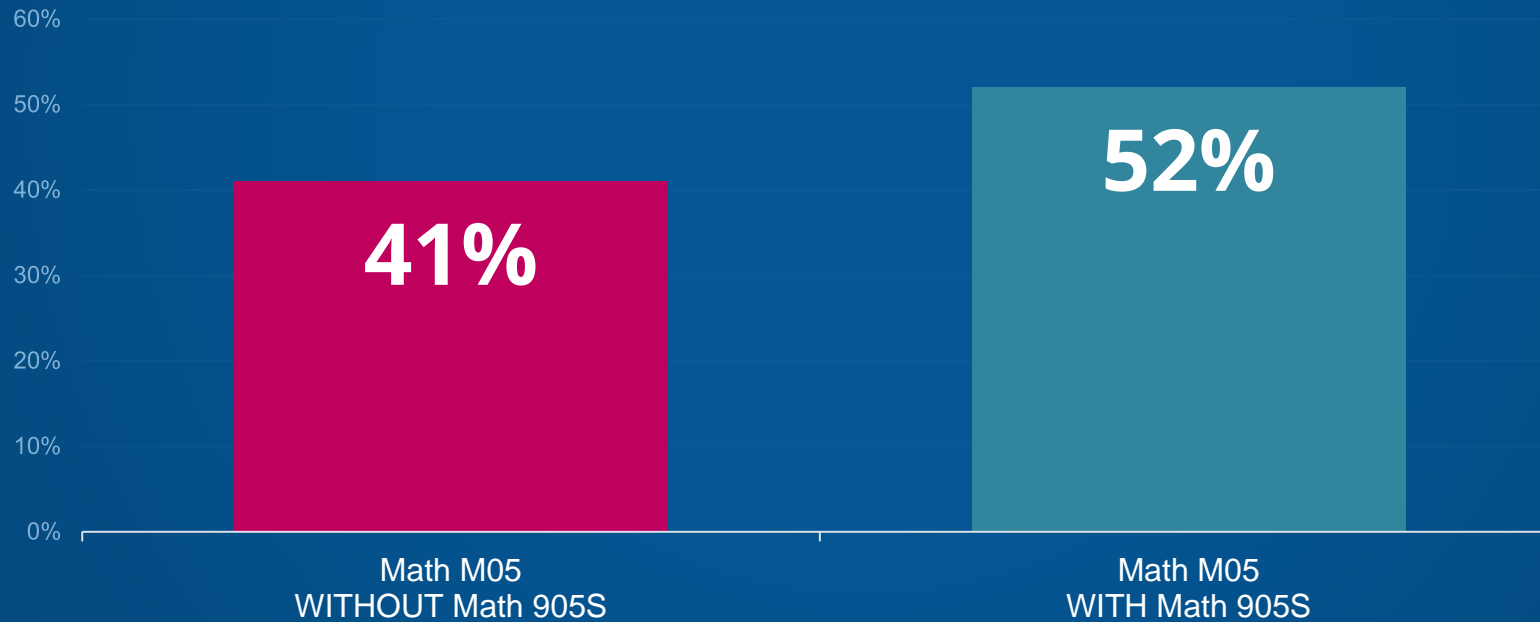
What's Working

- Success rates in College Algebra with a Support Corequisite show some increase
- Creation of workbooks, videos and other instructional materials for Math 905-S and Math 915-S
- Course Embedded Tutors in classrooms
- Bridge Workshops to remediate students
- Math and Science Center (Tutoring Center) demand and usage expanded greatly.
- New Mathematical Reasoning for Liberal Arts Course



CO-REQUISITE COURSES SHOW PROMISING EARLY RESULTS

MATH M05 (College Algebra) success rates by whether they also enrolled in MATH M905S (Support for College Algebra)



M12 MATHEMATICAL REASONING FOR LIBERAL ARTS

At Moorpark College

NO ALGEBRA PREREQUISITE!



MANAGING MONEY

(examples include investing in savings and the stock market, getting a loan and how to calculate a payment, and we'll talk a bit about the Federal budget)



LOGIC AND PROBLEM SOLVING

(to help you notice when someone is using a false argument on social media, for example?)



MATHEMATICS IN THE ARTS AND POLITICS

(how do artists use symmetry and perspective to create a painting? What's the math behind the electoral college anyway?)



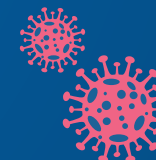
PROBABILITY AND STATISTICS

(what do those infographics really tell us? Vegas odds)



QUANTATIVE INFORMATION IN EVERYDAY LIFE

(percentages, how to read graphs, etc.)



MODELING LINEAR AND EXPONENTIAL FUNCTIONS

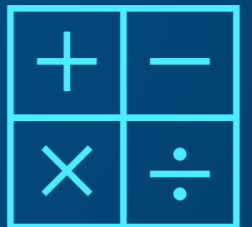
(COVID-19 virus spreads exponentially – what does that mean?)

NEXT STEPS



SCALING UP MATH

- Faculty report that students taking College Algebra have weaker skills. The ripple effect is felt in the Calculus Series. Solution: Find creative ways to entice students to enroll in the math courses that offer co-requisite support courses
- Covid-19 negatively impacted our ability to promote the new courses. Solution: Heavily promote Liberal Arts Math courses like College Algebra for Liberal Arts and Math Reasoning for Liberal Arts
- Course Embedded Tutoring works! Assign course embedded tutors to more sections.
- The college will work with K-12 feeder schools to increase percentage of incoming students who complete HS Algebra II.





SCALING UP ENGLISH

- Self-Placement: Since 1998, Moorpark has allowed students to choose their own starting English course. We were complying with AB 705 before it was a law! We've had excellent success with students completing transfer-level English within one year.
- Cut remedial classes: To encourage more students to enroll directly in 1A, we eliminated Engl 03 (two levels below 1A) and reduced Engl 02 sections (one level below but applicable to the A.A.) by half.
- Introduced "After Hours" tutoring workshops at the Writing Center open to all Engl 1A students.
- Professional Development: trained faculty in non-cognitive teaching support for the post-AB705 classroom: Growth Mindset, Positive Habits of Mind, etc.
- 1A + Corequisite: piloted a one-hour noncredit support class (91AS) linked with selected sections of 1A in fall 2020, with an embedded writing coach. Instructors met monthly in the preceding semester to plan and share best practices. We are continuing to offer these linked classes, with more focused efforts to enroll lower-GPA students.
- Revised the ESL Self-Placement instrument to make it simpler, clearer, and more student-friendly.

