





**BRIDGE TO COLLEGE
ALGEBRA**



*A Partnership with the SHARE
Foundation,
El Dorado Public Schools,
South Arkansas Community College,
and the
El Dorado Education Foundation*










History



- Student Survey
- Endowing Mathematics Chair
- Reorganization of Math Teachers









Summer Mathematics Camp









In the January 2007, Murphy Oil Corporation unveiled the El Dorado Promise Scholarship program. In 2008, the ADE began requiring 4 math credits in order for students to graduate. College remediation rates remained high and the pass rate in those courses and in College Algebra remained low.








-Our goal was to have students take and pass College Algebra through concurrent credit so that math would not be an obstacle to college completion.
-Students who failed one or two semesters of Algebra II could recover credit during the summer and stay on track for graduation.






The El Dorado Education Foundation and the El Dorado School District had done extensive research into programs that work including KIPP schools, the EDEF's summer math camp, and the 90/90/90 study.






 

Several commonalities exist between these programs and were used to develop the Bridge to College Algebra program:


- 1 - Finding the 'right' teacher
- 2 - Extending learning time**
- 3 - A clear focus and high expectations
- 4 - Providing students with incentives and experiences



 



  



The Bridge to College Algebra program targets first generation to college students. (This past year, several first generation high school graduates completed the program.)







 



Other considerations, including free and reduced lunch status are considered. Students go through an extensive application process that includes recommendations from teachers, writing an essay, and an interview.







•Students attend Bridge to College Algebra for 4 to 5 weeks during the summer.
•Students focus on skills they learned in Algebra II that are critical for College Algebra.









•Instruction is a blend of traditional direct modeling, activities designed to develop conceptual understanding, small-group work, and individualized tutoring.
•Three days per week, students attend class from 9:00 - 1:00 at the El Dorado Conference Center on the Campus of South Arkansas Community College.







•On Thursdays, students attend academic field trips and tour pairs of colleges and universities.
•Students are pre- and post-tested both with a traditional evaluation instrument and the COMPASS test and at the conclusion of the program receive a certificate and a TI-84 graphing calculator.



·During the course of the next school year, students may take College Algebra and take Plane Trigonometry.

·Students attend monthly 'socials' and also receive tutoring before and after school three days per week.



 



 

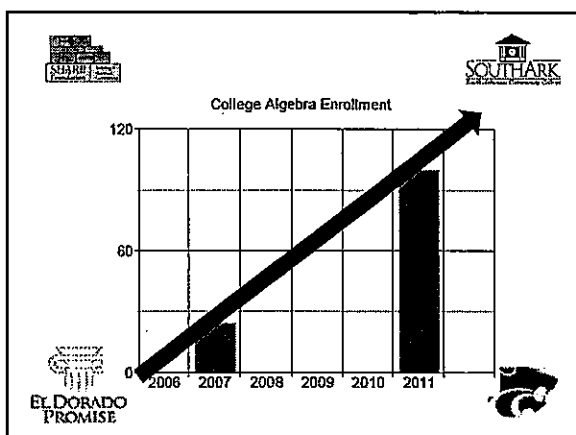


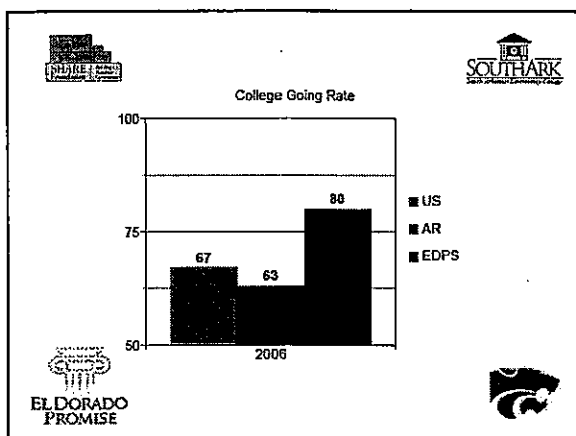
 



 

- Advanced Placement enrollment in mathematics varies between 60 and 80 students per year.
- Concurrent credit enrollment is between 100 and 150 for College Algebra and between 75 and 100 for Plane Trigonometry.
- The college-going rate for Promise recipients for the past three graduating classes has been 74%, 80%, and is now up to 90% for the 2011 class. B2CA students have an 88% college-going rate.





<http://www.eldoradopublicschools.com/>
<http://eldoradopromise.com/>
<http://www.kipp.org/our-approach/five-pillars>
<http://www.schoolsmovingup.net/cs/wested/view/rs/768?x-t=wested.record.view>

Alice Mahony - amahony254@gmail.com
Tom Simmons - tsimmons@esd-15.org

