

**Math Department
May 2010**

Gear Up for Success

Math 090		
	Gear Up for Success Participants	All Other Math 090 Students
Retention	100%	80.3%
Success	66.7%	41.4%
Persistence	55.6%	35.1%

Persisted to Math 103 or 110 (Associate Degree Applicable)

Math 110		
	Gear Up for Success Participants	All Other Math 110 Students
Retention	88.9%	82.0%
Success	72.2%	54.8%
Persistence	50.0%	29.5%

Persisted to Math 120, 125, 160, 170, 175, 176 or 178 (transferrable)

- Difference is significant for retention and success of Math 090 students

Gear Up for Success Survey Results

- Over 90% of students who completed the survey said the AfterMath Workshop was helpful in reducing their fears and anxieties about taking math this semester.
- Over 95% of students who completed the survey said they gained some useful information in the AfterMath Workshop that will help them be more successful in their math class.
- Over 90% of students who completed the survey said the information presented in the AfterMath Workshop was helpful in preparing them for math.

AfterMath Workshops

Math 088		
	AfterMath Participants	All Other Math 088 Students
Retention	90.0%	84.9%
Success	70.0%	55.9%

Math 090		
	AfterMath Participants	All Other Math 090 Students
Retention	90.1%	73.8%
Success	57.0%	44.8%

Math 110		
	AfterMath Participants	All Other Math 110 Students
Retention	84.4%	73.8%
Success	65.6%	41.8%

- Difference is significant for retention and success of Math 090 students
- Difference is significant for success of Math 110 students

AfterMath Survey Results

- All students who filled out a survey said the AfterMath workshops were helpful as they studied math and would recommend the workshops to others studying math.
- 80% of students who filled out a survey believe the AfterMath workshops made them more successful in their math than they would have been otherwise.

Math Study Center (STEM Achievement Center)

Math 088		
	Math Study Center Users	All Other Math 088 Students
Retention	100%	92.5%
Success	94.1%	76.4%
Persistence	70.6%	46.2%

Persisted to Math 090

Math 090		
	Math Study Center Users	All Other Math 090 Students
Retention	91.4%	79.3%
Success	57.1%	39.9%
Persistence	40.0%	35.9%

Persisted to Math 103 or 110 (Associate Degree Applicable)

Math 103		
	Math Study Center Users	All Other Math 103 Students
Retention	96.6%	86.4%
Success	62.1%	50.3%
Persistence	24.1%	24.6%

Persisted to Math 120, 125 or 160 (transferrable)

Math 110		
	Math Study Center Users	All Other Math 110 Students
Retention	90.0%	81.4%
Success	72.5%	53.6%
Persistence	52.5%	27.8%

Persisted to Math 120, 125, 160, 170, 175, 176 or 178 (transferrable)

- Difference is significant for retention and success of Math 090 students
- Difference is significant for persistence of Math 110 students

Learning Community (Bridging Math 088 with PDC 130)

All Students		
	Learning Community Participants	All Other Math 088 Students
Success	64.6%	54.7%
Persistence	66.7%	50.0%

Persisted to Math 090

Underrepresented Students		
	Learning Community Participants	All Other Math 088 Students
Success	53.1%	44.2%
Persistence	64.7%	52.9%

Persisted to Math 090

Learning Community Survey Results

- Students in the learning community were nearly twice as likely to state it was important for them to learn math so they could get over their fears and anxieties
- Students in the learning community listed more barriers they had in learning math, such as difficulty reading word problems, the way math was taught before coming to college, math anxiety and lack of support from the teacher.
- Students felt the learning community experience as well as the skills learned in the PDC 130 course were beneficial and will help them in their future endeavors.
- Students in the learning community believed the collaboration of the Math 088 and PDC 130 instructors was an integral part of creating the community environment for the students.
- Students in the learning community found their anxiety melting away and a sense of confidence and self assurance in its place.