

February 3, 2009

TO: Jerry Rosenberg, Dean PSME Division

FROM: Andrew LaManque, De Anza Research  
Caitlin Tiffany, Student Assistant

SUBJECT: EnableMath Survey, Fall 2008

A survey of EnableMath students was conducted at the end of the Fall quarter in 2008. A sample of 306 students completed the online survey.

Important highlights include:

- 86% of students reported that this was their first EnableMath class, and 63% of students responded that this was their first math class at De Anza.
- 72% of students spent less than 5 hours working on math outside of class. This response was down from 77% in Fall of 2007.
- 72% of students “agreed” or “strongly agreed” that EnableMath helped them learn more math than they would have without the software.
- 76% of students “agreed” or “strongly agreed” that EnableMath helped improve their grade. This response is up from 72% in Fall of 2007. Also, this result differed as to what grade the student expected to receive in the class. 78% of students who expected to get an A “agreed” or “strongly agreed” that EnableMath helped improve their grade, while 68% of students who expected to get a C or less “agreed” or “strongly agreed” that EnableMath helped improve their grade
- 78% of students “agreed” or “strongly agreed” that they would take another EnableMath class and 80% of students would recommend it to another student. Both of these responses are down from 83% in the Fall of 2007.
- 68% of students “agreed” or “strongly agreed” that taking the CSI was worth their time. This response is up from 62% in Fall of 2007. Also, this response varied by the amount of time that students spent on math homework. 66% of students who spent less than 5 hours a week on math homework “agreed” or “strongly agreed” that taking the CSI was worth their time, whereas 74% of students who spent more than 5 hours a week on math homework “agreed” or “strongly agreed” that taking the CSI was worth their time.
- 71% of students “agreed” or “strongly agreed” that because of the counseling presentation and the CSI that they were more likely to take advantage of college services. This result is up from 63% in Fall of 2006.

- 49% of students “agreed” or “strongly agreed” that the CSI feedback helped them do better in the class. This response is up from 40% in Fall of 2007. Also, this response varied by the amount of time that the student reported they spent on homework. 47% of students who spent less than five hours a week on math work “agreed” or “strongly agreed” that the CSI feedback helped them do better in the class, while 55% of students who spent more than five hours a week on math work “agreed” or “strongly agreed” that the CSI feedback helped them do better in the class

# EnableMath End of Class Survey, Fall 2008, De Anza Research

30-Dec-08

	0 hrs/week outside class		1-4 hrs/week outside class		5-9 hrs/week outside class		10 plus hrs/week outside class		Total Responses	
	Num	Per	Num	Per	Num	Per	Num	Per	Num	Per
How many hours per week (on average) do you spend doing math outside of the of the regular class/lab time?	16	5%	203	67%	71	23%	15	5%	305	100%
How many hours per week (on average) doing math outside of class/lab do you think are necessary to get the grade you want?	13	4%	130	43%	121	40%	40	13%	304	100%

	Yes		No		Total Responses	
	Num	Per	Num	Per	Num	Per
This is my first math class at De Anza College	191	63%	114	37%	305	100%
This is my first math class using EnableMath	263	86%	42	14%	305	100%

Expect a A in the class		Expect a B in the class		Expect a C or less in the class		Total	
Num	Per	Num	Per	Num	Per	Num	Per
125	41%	100	33%	81	26%	306	100%

5 + hrs homework		Less than 5 hrs homework		Total	
Num	Per	Num	Per	Num	Per
86	28%	220	72%	306	100%

	Strongly Agree		Agree		Disagree		Strongly Disagree		Total Responses	
	Num	Per	Num	Per	Num	Per	Num	Per	Num	Per
I felt more engaged using EnableMath software	95	31%	145	47%	57	19%	9	3%	306	100%
EnableMath helped me learn more math than I would have without the software	83	27%	139	45%	67	22%	17	6%	306	100%
EnableMath helped to improve my grade	82	27%	149	49%	60	20%	15	5%	306	100%
I learned some facts from EnableMath that were not presented in the lecture	51	17%	138	45%	102	33%	15	5%	306	100%
I would take another math class with EnableMath	110	36%	130	42%	40	13%	26	8%	306	100%
I would recommend the EnableMath program to other students	112	37%	131	43%	44	14%	19	6%	306	100%
Completing the CSI was worth the time	52	17%	156	51%	69	23%	28	9%	305	100%
I learned something about myself while completing the CSI that will help me meet my goals at De Anza	38	13%	150	49%	94	31%	22	7%	304	100%
As I result of the CSI and the counselor presentation I am more likely to take advantage of college services	46	15%	171	56%	66	22%	20	7%	303	100%
I went to see a counselor with questions as a result of the CSI	27	9%	79	26%	146	48%	53	17%	305	100%
The feedback from the CSI helped me to do better in the class	25	8%	125	41%	117	38%	38	12%	305	100%

**The following section sorts the results by the students' response to the grade they expect to receive in the class**

Expect a A in the class

	0 hrs/week outside class		1-4 hrs/week outside class		5-9 hrs/week outside class		10 plus hrs/week outside class		Total Responses	
	Num	Per	Num	Per	Num	Per	Num	Per	Num	Per
How many hours per week (on average) do you spend doing math outside of the of the regular class/lab time?	11	9%	81	65%	29	23%	4	3%	125	100%
How many hours per week (on average) doing math outside of class/lab do you think are necessary to get the grade you want?	11	9%	64	52%	35	28%	14	11%	124	100%

	Yes		No		Total Responses	
	Num	Per	Num	Per	Num	Per
This is my first math class at De Anza College	92	74%	32	26%	124	100%
This is my first math class using EnableMath	118	94%	7	6%	125	100%

Expect a A in the class	Total		5 + hrs homework		Less than 5 hrs homework		Total			
	Num	Per	Num	Per	Num	Per	Num	Per		
	125	100%	125	100%	33	26%	92	74%	125	100%

	Strongly Agree		Agree		Disagree		Strongly Disagree		Total Responses	
	Num	Per	Num	Per	Num	Per	Num	Per	Num	Per
I felt more engaged using EnableMath software	42	34%	56	45%	22	18%	5	4%	125	100%
EnableMath helped me learn more math than I would have without the software	33	26%	57	46%	25	20%	10	8%	125	100%
EnableMath helped to improve my grade	40	32%	58	46%	20	16%	7	6%	125	100%
I learned some facts from EnableMath that were not presented in the lecture	22	18%	58	46%	35	28%	10	8%	125	100%
I would take another math class with EnableMath	48	38%	58	46%	11	9%	8	6%	125	100%
I would recommend the EnableMath program to other students	47	38%	56	45%	13	10%	9	7%	125	100%
Completing the CSI was worth the time	25	20%	56	45%	30	24%	14	11%	125	100%
I learned something about myself while completing the CSI that will help me meet my goals at De Anza	16	13%	61	49%	35	28%	13	10%	125	100%
As I result of the CSI and the counselor presentation I am more likely to take advantage of college services	23	18%	65	52%	25	20%	12	10%	125	100%
I went to see a counselor with questions as a result of the CSI	11	9%	32	26%	55	44%	27	22%	125	100%
The feedback from the CSI helped me to do better in the class	12	10%	44	35%	49	39%	20	16%	125	100%

**Expect a B in the class**

	0 hrs/week outside class		1-4 hrs/week outside class		5-9 hrs/week outside class		10 plus hrs/week outside clas		Total Responses			
	Num	Per	Num	Per	Num	Per	Num	Per	Num	Per		
How many hours per week (on average) do you spend doing math outside of the of the regular class/lab time?	3	3%	62	62%	28	28%	7	7%	100	100%		
How many hours per week (on average) doing math outside of class/lab do you think are necessary to get the grade you want?			41	41%	46	46%	12	12%	99	100%		
			Yes		No		Total Responses					
			Num	Per	Num	Per	Num	Per	Num	Per		
This is my first math class at De Anza College			61	61%	39	39%	100	100%				
This is my first math class using EnableMath			86	86%	14	14%	100	100%				
	Expect a B in the class		Total		5 + hrs homework		Less than 5 hrs homework		Total			
	Num	Per	Num	Per	Num	Per	Num	Per	Num	Per		
	100	100%	100	100%	35	35%	65	65%	100	100%		
			Strongly Agree		Agree		Disagree		Strongly Disagree		Total Responses	
			Num	Per	Num	Per	Num	Per	Num	Per	Num	Per
I felt more engaged using EnableMath software	31	31%	50	50%	18	18%	1	1%	100	100%		
EnableMath helped me learn more math than I would have without the software	31	31%	44	44%	23	23%	2	2%	100	100%		
EnableMath helped to improve my grade	31	31%	47	47%	18	18%	4	4%	100	100%		
I learned some facts from EnableMath that were not presented in the lecture	18	18%	36	36%	42	42%	4	4%	100	100%		
I would take another math class with EnableMath	38	38%	38	38%	16	16%	8	8%	100	100%		
I would recommend the EnableMath program to other students	37	37%	42	42%	16	16%	5	5%	100	100%		
Completing the CSI was worth the time	17	17%	56	56%	23	23%	4	4%	100	100%		
I learned something about myself while completing the CSI that will help me meet my goals at De Anza	18	18%	46	46%	33	33%	2	2%	99	100%		
As I result of the CSI and the counselor presentation I am more likely to take advantage of college services	16	16%	56	57%	22	22%	4	4%	98	100%		
I went to see a counselor with questions as a result of the CSI	13	13%	27	27%	46	46%	14	14%	100	100%		
The feedback from the CSI helped me to do better in the class	10	10%	53	53%	28	28%	9	9%	100	100%		

**Expect a C or less in the class**

	0 hrs/week outside class		1-4 hrs/week outside class		5-9 hrs/week outside class		10 plus hrs/week outside class		Total Responses	
	Num	Per	Num	Per	Num	Per	Num	Per	Num	Per
How many hours per week (on average) do you spend doing math outside of the of the regular class/lab time?	2	3%	60	75%	14	18%	4	5%	80	100%
How many hours per week (on average) doing math outside of class/lab do you think are necessary to get the grade you want?	2	2%	25	31%	40	49%	14	17%	81	100%

	Yes		No		Total Responses	
	Num	Per	Num	Per	Num	Per
This is my first math class at De Anza College	38	47%	43	53%	81	100%
This is my first math class using EnableMath	59	74%	21	26%	80	100%

Expect a C or less in the class				5 + hrs homework				Less than 5 hrs homework			
Total		Total		Total		Total		Total		Total	
Num	Per	Num	Per	Num	Per	Num	Per	Num	Per	Num	Per
81	100%	81	100%	18	22%	63	78%	81	100%		

	Strongly Agree		Agree		Disagree		Strongly Disagree		Total Responses	
	Num	Per	Num	Per	Num	Per	Num	Per	Num	Per
I felt more engaged using EnableMath software	22	27%	39	48%	17	21%	3	4%	81	100%
EnableMath helped me learn more math than I would have without the software	19	23%	38	47%	19	23%	5	6%	81	100%
EnableMath helped to improve my grade	11	14%	44	54%	22	27%	4	5%	81	100%
I learned some facts from EnableMath that were not presented in the lecture	11	14%	44	54%	25	31%	1	1%	81	100%
I would take another math class with EnableMath	24	30%	34	42%	13	16%	10	12%	81	100%
I would recommend the EnableMath program to other students	28	35%	33	41%	15	19%	5	6%	81	100%
Completing the CSI was worth the time	10	13%	44	55%	16	20%	10	13%	80	100%
I learned something about myself while completing the CSI that will help me meet my goals at De Anza	4	5%	43	54%	26	33%	7	9%	80	100%
As I result of the CSI and the counselor presentation I am more likely to take advantage of college services	7	9%	50	63%	19	24%	4	5%	80	100%
I went to see a counselor with questions as a result of the CSI	3	4%	20	25%	45	56%	12	15%	80	100%
The feedback from the CSI helped me to do better in the class	3	4%	28	35%	40	50%	9	11%	80	100%

**The following section sorts the results by the students' response to the number of hours spent outside the class on homework**



Less than 5 hrs homework

	0 hrs/week outside class		1-4 hrs/week outside class		5-9 hrs/week outside class		10 plus hrs/week outside class		Total Responses	
	Num	Per	Num	Per	Num	Per	Num	Per	Num	Per
How many hours per week (on average) do you spend doing math outside of the of the regular class/lab time?	16	7%	203	93%					219	100%

How many hours per week (on average) doing math outside of class/lab do you think are necessary to get the grade you want?	12	5%	123	56%	74	34%	10	5%	219	100%
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	Yes		No		Total Responses	
	Num	Per	Num	Per	Num	Per
This is my first math class at De Anza College	148	67%	72	33%	220	100%
This is my first math class using EnableMath	192	88%	27	12%	219	100%

Expect a A in the class	Expect a B in the class	Expect a C or less in the class		Total	Less than 5 hrs homework						
		Num	Per		Num	Per	Num	Per			
92	42%	65	30%	63	29%	220	100%	220	100%	220	100%

	Strongly Agree		Agree		Disagree		Strongly Disagree		Total Responses	
	Num	Per	Num	Per	Num	Per	Num	Per	Num	Per
I felt more engaged using EnableMath software	59	27%	114	52%	40	18%	7	3%	220	100%
EnableMath helped me learn more math than I would have without the software	49	22%	104	47%	54	25%	13	6%	220	100%
EnableMath helped to improve my grade	48	22%	116	53%	44	20%	12	5%	220	100%
I learned some facts from EnableMath that were not presented in the lecture	35	16%	97	44%	75	34%	13	6%	220	100%
I would take another math class with EnableMath	78	35%	91	41%	32	15%	19	9%	220	100%
I would recommend the EnableMath program to other students	77	35%	96	44%	34	15%	13	6%	220	100%
Completing the CSI was worth the time	36	16%	109	50%	53	24%	22	10%	220	100%
I learned something about myself while completing the CSI that will help me meet my goals at De Anza	25	11%	110	50%	70	32%	14	6%	219	100%
As I result of the CSI and the counselor presentation I am more likely to take advantage of college services	32	15%	123	56%	48	22%	15	7%	218	100%
I went to see a counselor with questions as a result of the CSI	21	10%	54	25%	108	49%	37	17%	220	100%
The feedback from the CSI helped me to do better in the class	18	8%	85	39%	90	41%	27	12%	220	100%

5 + hrs homework

	0 hrs/week outside class		1-4 hrs/week outside class		5-9 hrs/week outside class		10 plus hrs/week outside clas		Total Responses	
	Num	Per	Num	Per	Num	Per	Num	Per	Num	Per
How many hours per week (on average) do you spend doing math outside of the of the regular class/lab time?					71	83%	15	17%	86	100%

How many hours per week (on average) doing math outside of class/lab do you think are necessary to get the grade you want?	1	1%	7	8%	47	55%	30	35%	85	100%
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	Yes		No		Total Responses	
	Num	Per	Num	Per	Num	Per
This is my first math class at De Anza College	43	51%	42	49%	85	100%
This is my first math class using EnableMath	71	83%	15	17%	86	100%

Expect a A in the class	Expect a B in the class	Expect a C or less in the class		5 + hrs homework							
		Num	Per	Total		Total					
Num	Per	Num	Per	Num	Per	Num	Per				
33	38%	35	41%	18	21%	86	100%	86	100%	86	100%

	Strongly Agree		Agree		Disagree		Strongly Disagree		Total Responses	
	Num	Per	Num	Per	Num	Per	Num	Per	Num	Per
I felt more engaged using EnableMath software	36	42%	31	36%	17	20%	2	2%	86	100%
EnableMath helped me learn more math than I would have without the software	34	40%	35	41%	13	15%	4	5%	86	100%
EnableMath helped to improve my grade	34	40%	33	38%	16	19%	3	3%	86	100%
I learned some facts from EnableMath that were not presented in the lecture	16	19%	41	48%	27	31%	2	2%	86	100%
I would take another math class with EnableMath	32	37%	39	45%	8	9%	7	8%	86	100%
I would recommend the EnableMath program to other students	35	41%	35	41%	10	12%	6	7%	86	100%
Completing the CSI was worth the time	16	19%	47	55%	16	19%	6	7%	85	100%
I learned something about myself while completing the CSI that will help me meet my goals at De Anza	13	15%	40	47%	24	28%	8	9%	85	100%
As I result of the CSI and the counselor presentation I am more likely to take advantage of college services	14	16%	48	56%	18	21%	5	6%	85	100%
I went to see a counselor with questions as a result of the CSI	6	7%	25	29%	38	45%	16	19%	85	100%
The feedback from the CSI helped me to do better in the class	7	8%	40	47%	27	32%	11	13%	85	100%