



VENTURA COLLEGE
CCRAA–HSI Grant
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SPRING 2010
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STEM POWER
STUDENT SATISFACTION SURVEY

Presented to

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■ **BACKGROUND**

In September 2008, Ventura College was awarded a CCRAA–HSI Grant through the U.S. Department of Education. One requirement of the **Strengthening STEM Pathways at Ventura College** grant is to conduct a survey each year to ascertain the impact of the grant on students who have received grant-funded services. The “Spring 2010 STEM Power – Student Satisfaction Survey”, which was conducted between April 28, 2010 and May 19, 2010, meets the survey requirement for the 2009 – 2010 grant year.

The survey was administered by the STEM Outreach Specialist after she had met with students to review their academic progress. Survey questions were created by the STEM Outreach Specialist and the Institutional Research Officer, using the previous STEM Survey (summer 2009) as a starting point. After several drafts, the spring 2010 STEM survey was approved by the grant’s Principal Investigator.

A copy of the “Spring 2010 – Student Satisfaction Survey” is **attached**.

■ **SUMMARY**

• **Response Rate**

The response rate is **78%** – **127** of the **163** spring 2010 STEM students completed surveys.

From a statistical perspective, the sample size easily **meets** educational research standards, which require a **95%** confidence level (certainty) and $\pm .05$ confidence interval (margin of error).

• **Demographics**

In the table below, response percentages for the **three** demographic questions are compared to those of the **survey population** (the **163** spring 2010 STEM students). Differences between respondent and population percentages are expressed in percentage points. Positive numbers indicate an over representation by survey respondents; negative numbers reflect under representation.

<u>Characteristic</u>	<u>Group</u>	<u>Respondents</u>	<u>Population</u>	<u>Difference (in percentage points)</u>	
▪ Gender	Male	61%	58%	+3	Male: Virtually proportional
	Female	39%	40%	-1	Female: Proportional representation
▪ Ethnicity	Hispanic	62%	53%	+9	Hispanic: Over represented
	White	21%	24%	-3	White: Under represented
▪ Age (in years)	18 – 19	27%	27%	0	18 – 19: Proportional representation
	20 – 24	46%	46%	0	20 – 24: Proportional representation
	25 – 29	17%	15%	+2	25 – 29: Over represented

• **Highlights**

Response percentages for selected survey questions are highlighted below.

Question 3B. How do you rate: The Lending Library / Book Vouchers?

96% responded: **Very Satisfied (88%) or Satisfied (8%)**

Question 3E. How do you rate: Mentoring from STEM faculty members and staff?

91% responded: **Very Satisfied (74%) or Satisfied (17%)**

Question 3F. How do you rate: Ongoing support from the STEM Outreach Specialist?

92% responded: **Very Satisfied (81%) or Satisfied (11%)**

Question 3H. How do you rate: Counseling assistance with creating academic and transfer goals?

94% responded: **Very Satisfied (71%) or Satisfied (23%)**

Question 4. How do you rate: Your overall experience with the STEM Power Program?

98% responded: **Very Satisfied (81%) or Satisfied (17%)**

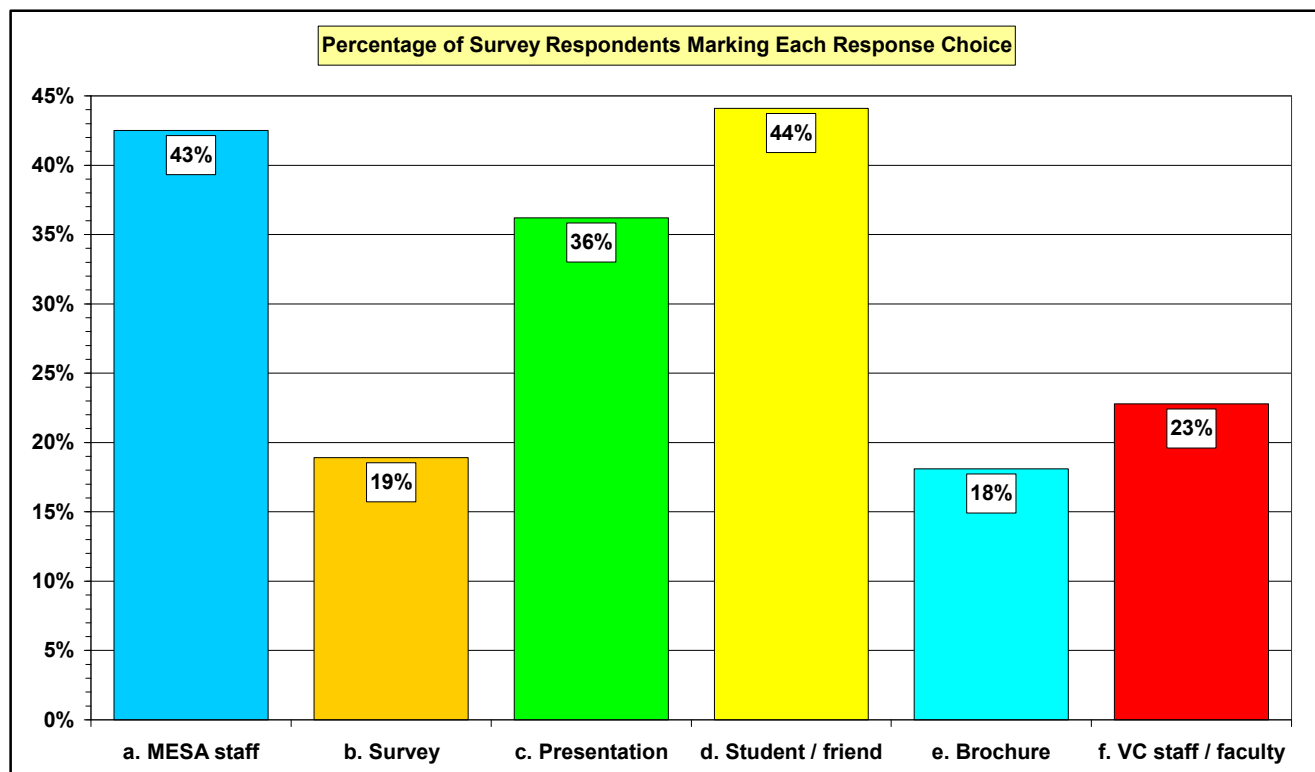
Response distributions, charts, and students’ comments are presented in the pages that follow.

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■ SURVEY RESULTS

• Question 1

How did you become aware of the Ventura College STEM Power Program?
(Check all that apply)



Respondents were asked to mark **all** of the ways in which they became aware of the Ventura College STEM Power Program. The survey listed **six** specific ways in which respondents might have become aware of the Program.

All of the **127** total respondents marked **one** or more of the **six** response choices. Data in the **Percent** column in the table below indicate the percentages of the **127** respondents that chose each of the response categories. Since some respondents marked more than one response category, the sum of the percentages exceed 100%.

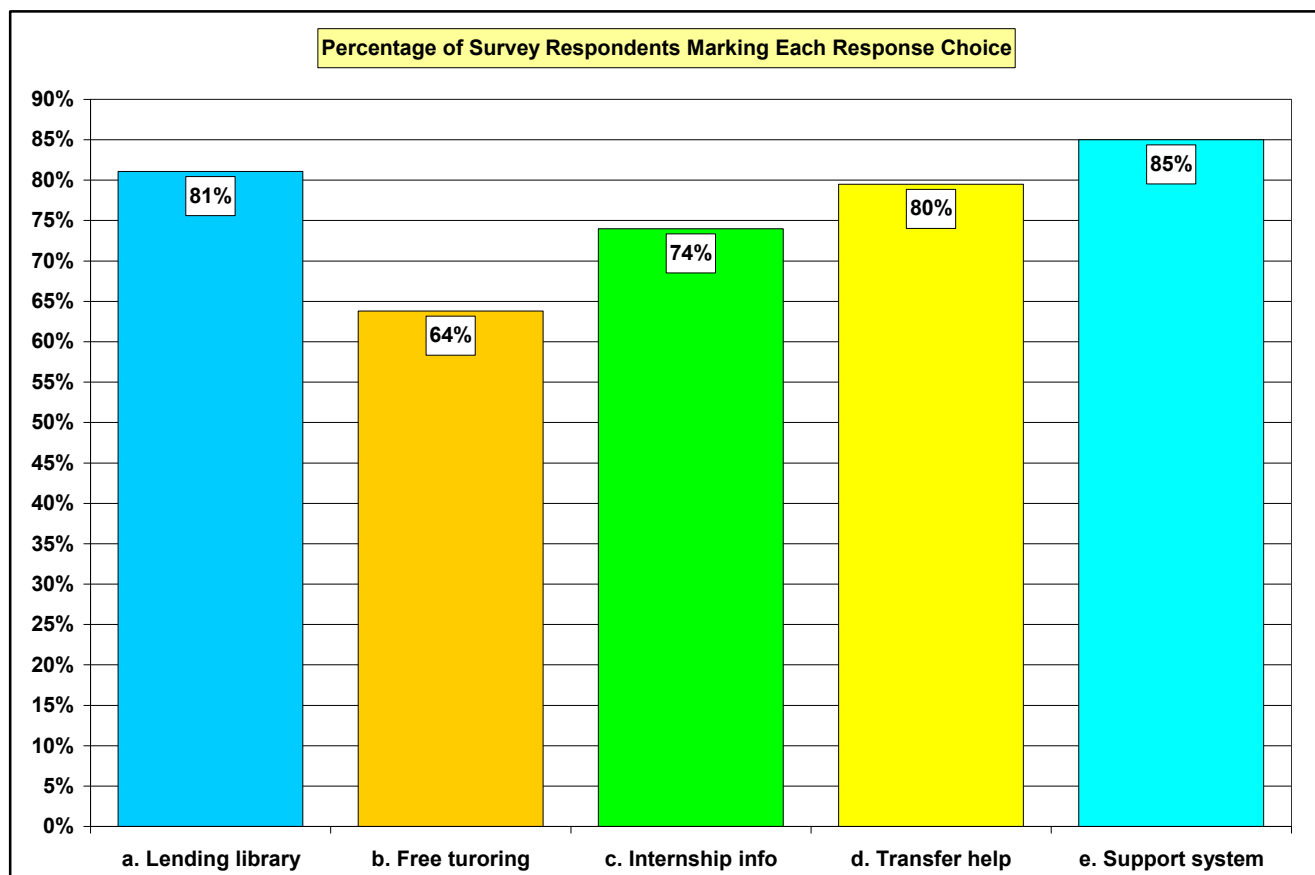
Question 1. Distribution of Survey Respondents

How did you become aware of the Ventura College STEM Power Program? (Please mark all that apply.)	Respondents	
	Number	Percent
a. I was referred to the Program by a MESA staff member	54	42.5%
b. I filled out a survey in one of my classes and someone from the Program contacted me	24	18.9%
c. I heard a presentation about the Program in one of my classes	46	36.2%
d. Another student / friend referred me to the Program	56	44.1%
e. I saw a brochure about the Program and it seemed interesting	23	18.1%
f. I was referred to the Program by a VC staff or faculty member	29	22.8%

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• Question 2

Why did you enroll with the Ventura College STEM Power Program?
(Check all that apply)



Respondents were asked to mark **all** of the reasons that contributed to their decision to enroll in the Ventura College STEM Power Program. The survey provided **five** different reasons that might have contributed to a respondent’s decision to enroll in the Program.

All of the **127** total respondents marked **one** or more of the **five** response choices. Data in the **Percent** column in the table below indicate the percentages of the **127** respondents that chose each of the response categories. Since some respondents marked more than one response category, the sum of the percentages exceed 100%.

Question 2. Distribution of Survey Respondents

Why did you enroll with the Ventura College STEM Power Program? (Please mark all that apply.)	Respondents	
	Number	Percent
a. The Program offers textbooks through its lending library	103	81.1%
b. The Program offers free tutoring	81	63.8%
c. The Program provides internship information and opportunities	94	74.0%
d. The Program provides assistance with transfer to a university	101	79.5%
e. The Program provides good overall support for my academic & personal goals at VC	108	85.0%

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• Questions 3A – 3I

Questions 3A – 3I are a list of **nine** services that were provided by the **STEM Power Program** during the **2009 – 2010** academic year. STEM students were asked to rate their overall experience with **only** those STEM services that they **received**. Data tables relating to **Questions 3A – 3I** appear below.

Charts depicting percentage responses for **Questions 3A – 3I** appear on **pages 5 – 7**.

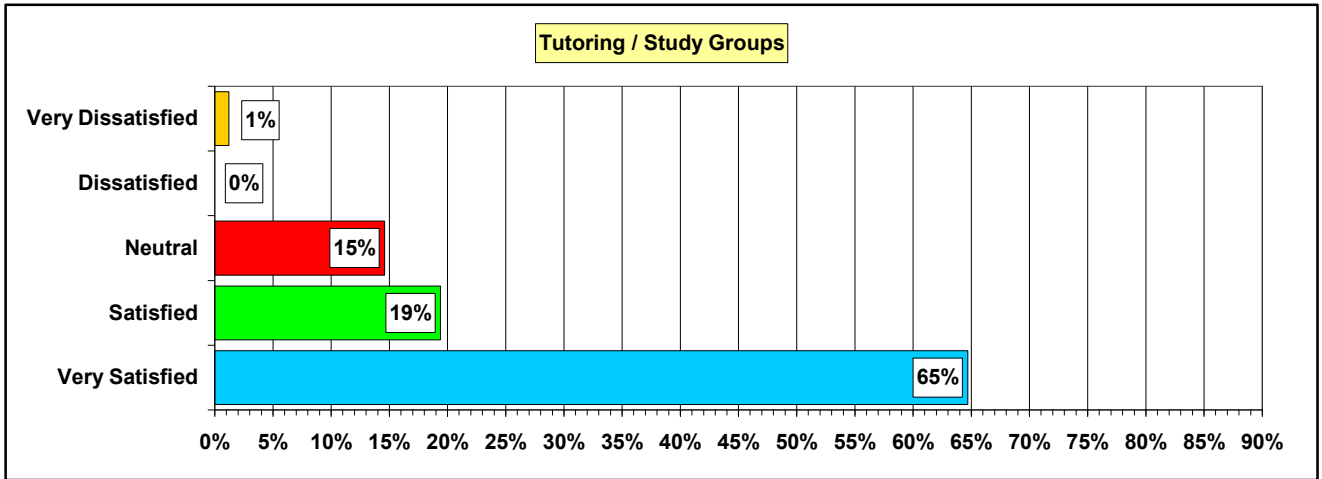
Rating Scale	Question 3A		Question 3B		Question 3C	
	Tutoring Study Groups		Lending Library Book Vouchers		Internship Opportunities	
	Number	Percent	Number	Percent	Number	Percent
1. Very Satisfied	53	64.7%	96	88.1%	51	63.0%
2. Satisfied	16	19.5%	9	8.3%	20	24.7%
3. Neutral	12	14.6%	2	1.8%	9	11.1%
4. Dissatisfied	0	0.0%	0	0.0%	0	0.0%
5. Very Dissatisfied	1	1.2%	2	1.8%	1	1.2%
Totals	82	100.0%	109	100.0%	81	100.0%

Rating Scale	Question 3D		Question 3E		Question 3F	
	Opportunity to be trained in use of state-of-the art scientific equipment		Mentoring from STEM faculty members and staff		Ongoing support from the STEM Outreach Specialist	
	Number	Percent	Number	Percent	Number	Percent
1. Very Satisfied	23	41.8%	61	73.5%	73	81.1%
2. Satisfied	14	25.5%	14	16.9%	10	11.1%
3. Neutral	17	30.9%	5	6.0%	4	4.5%
4. Dissatisfied	0	0.0%	2	2.4%	2	2.2%
5. Very Dissatisfied	1	1.8%	1	1.2%	1	1.1%
Totals	55	100.0%	83	100.0%	90	100.0%

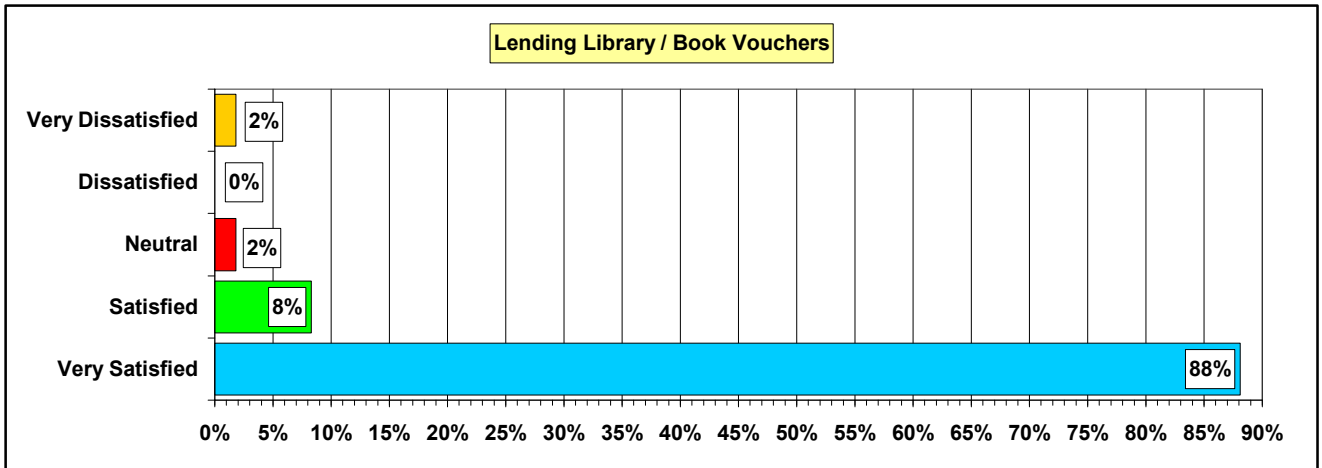
Rating Scale	Question 3G		Question 3H		Question 3I	
	Workshops to help with preparing CSU or UC Admission Applications		Counseling assistance with creating academic and transfer goals		Overall assistance with Transferring to a CSU or UC campus	
	Number	Percent	Number	Percent	Number	Percent
1. Very Satisfied	43	63.2%	62	70.5%	56	69.2%
2. Satisfied	16	23.5%	20	22.7%	17	21.0%
3. Neutral	7	10.3%	5	5.7%	7	8.6%
4. Dissatisfied	1	1.5%	0	0.0%	0	0.0%
5. Very Dissatisfied	1	1.5%	1	1.1%	1	1.2%
Totals	68	100.0%	88	100.0%	81	100.0%

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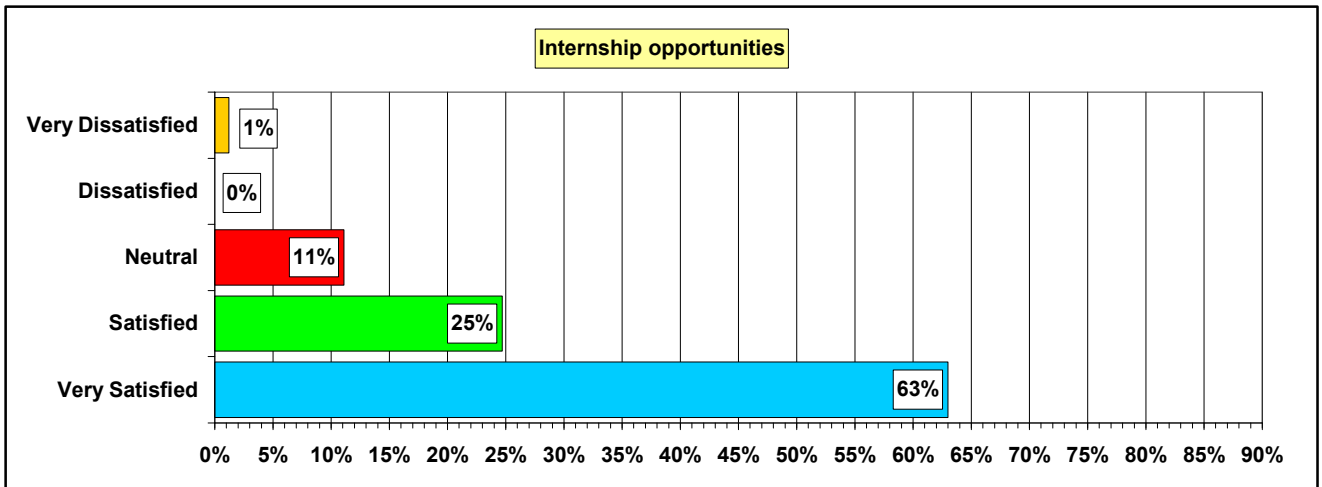
• **Question 3A**



• **Question 3B**

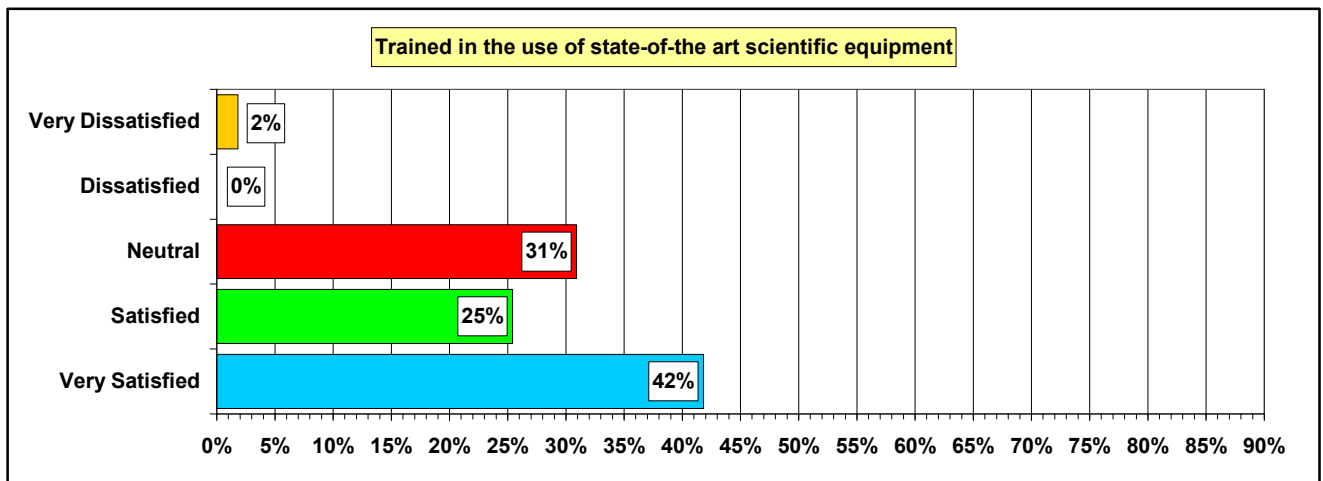


• **Question 3C**

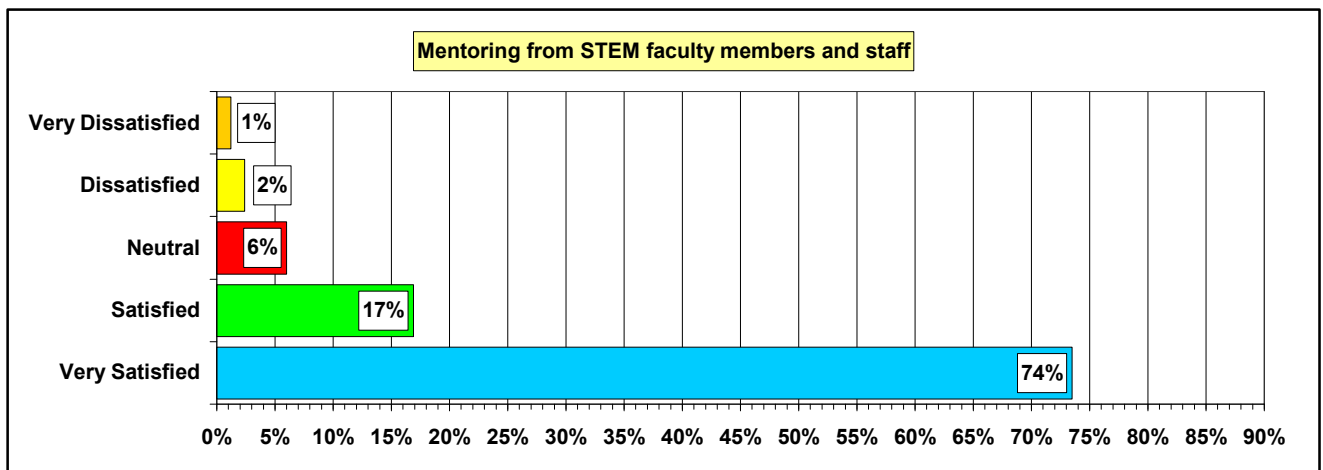


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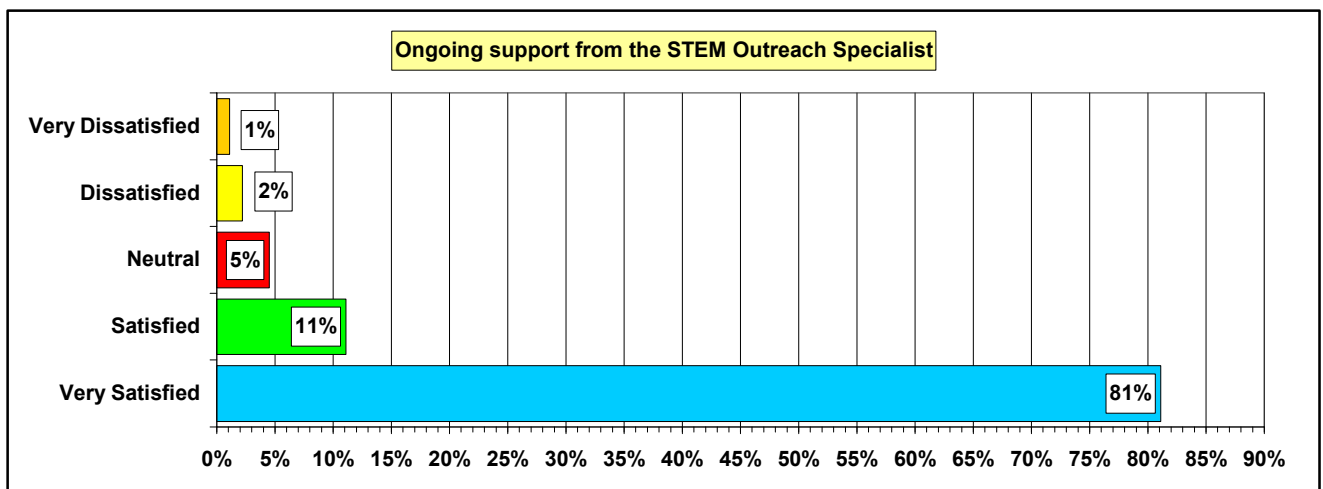
• **Question 3D**



• **Question 3E**

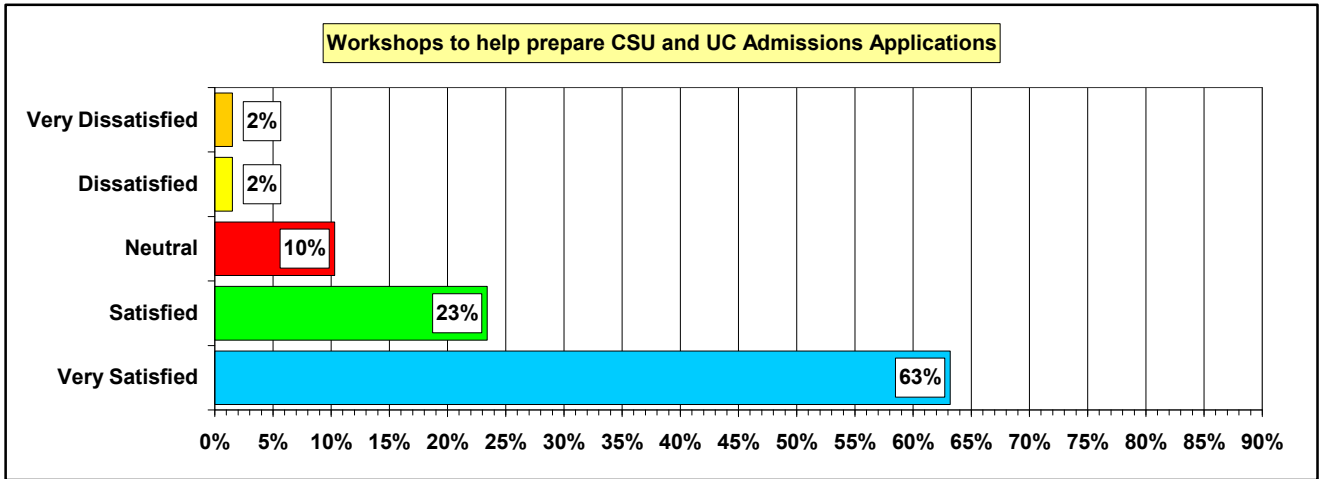


• **Question 3F**

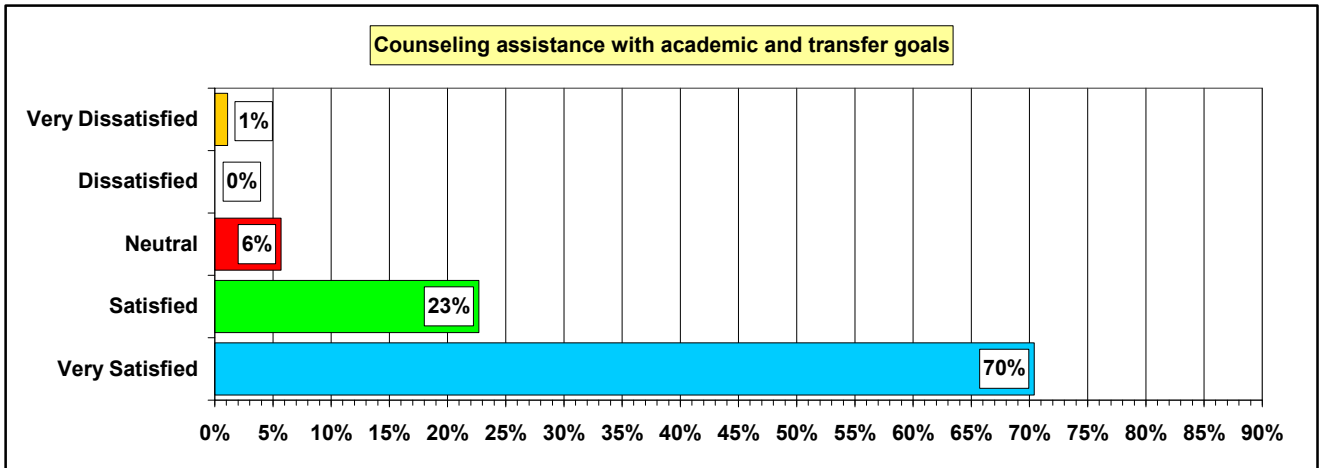


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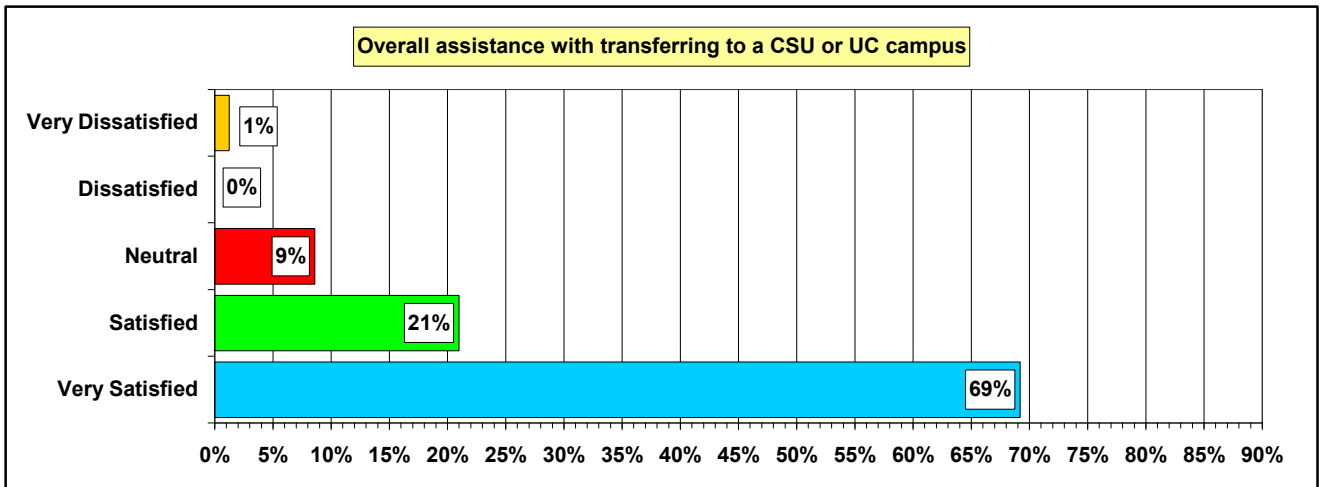
• Question 3G



• Question 3H



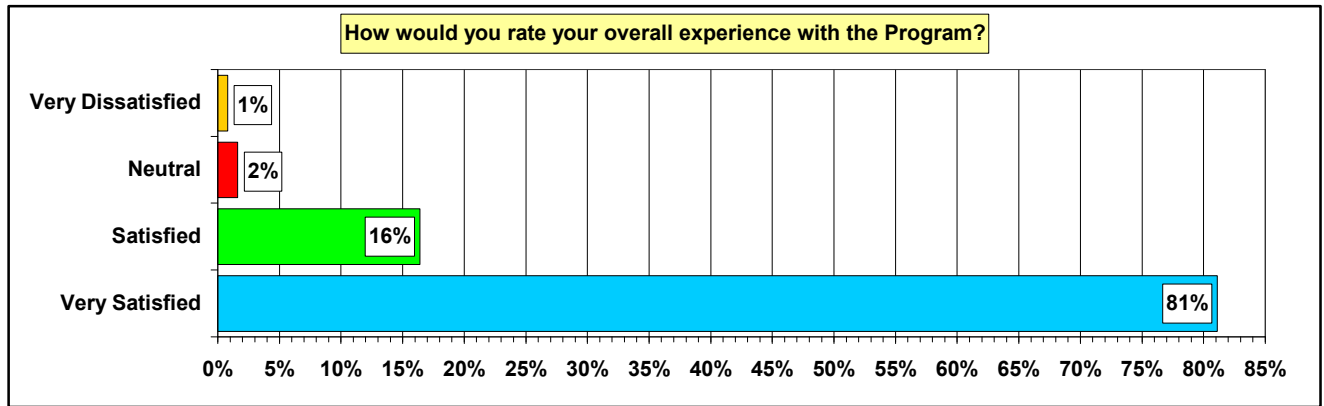
• Question 3I



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• **Question 4**

To date, how would you rate your overall experience with the STEM Power Program?

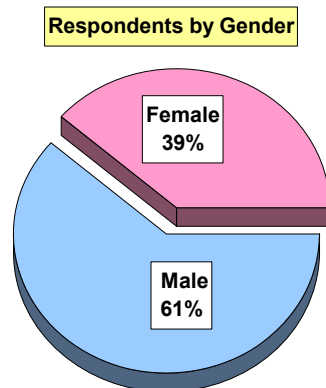


Question 4. Distribution of Survey Respondents

To date, how would you rate your overall experience with the STEM Power Program?	Total Respondents	
	Number	Percent
a. Very Satisfied	103	81.1%
b. Satisfied	21	16.5%
c. Neutral	2	1.6%
d. Dissatisfied	0	0.0%
e. Very Dissatisfied	1	0.8%
Totals	127	100.0%

• **Question 6**

What is your gender?



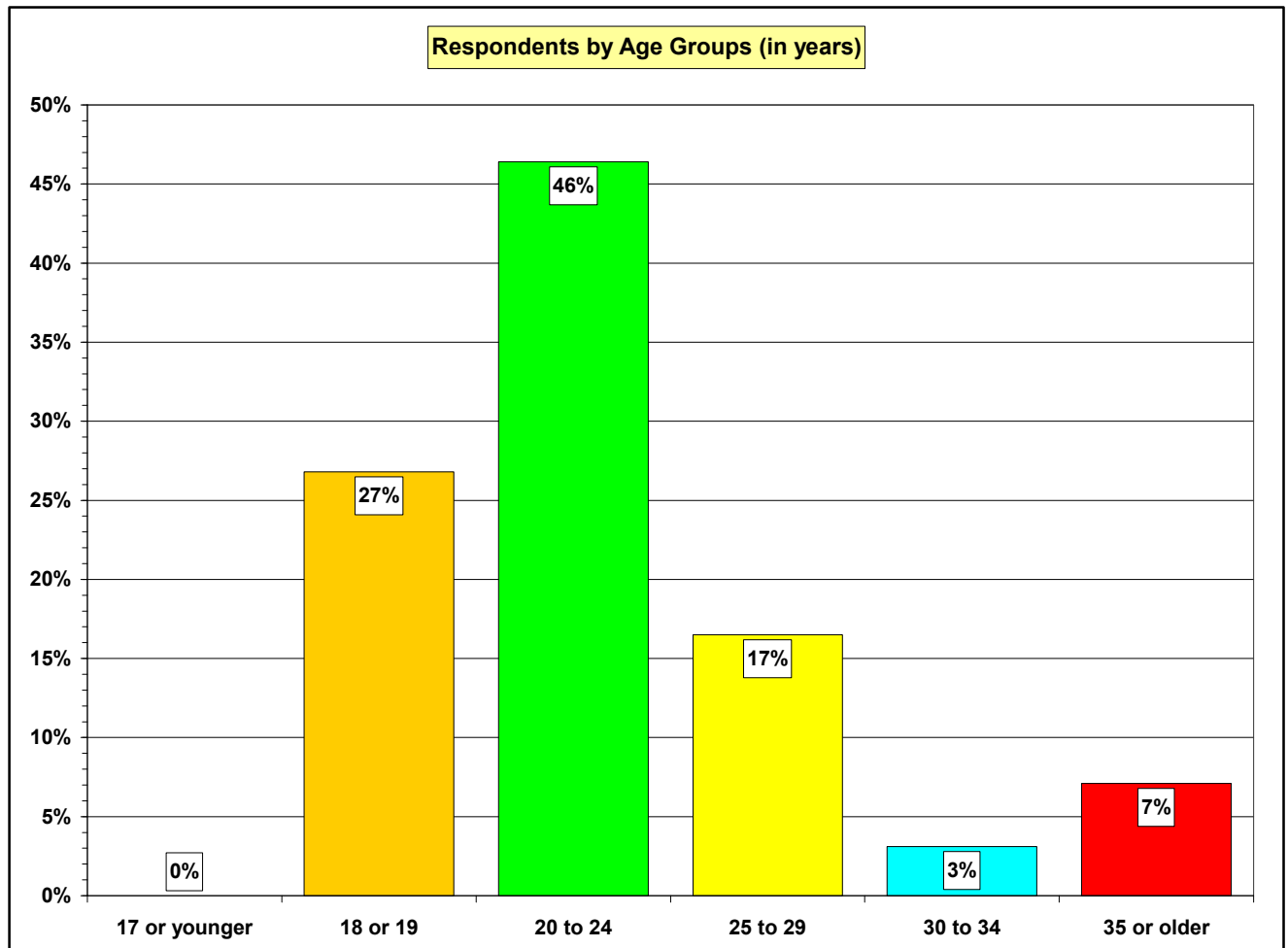
Question 6. Distribution of Survey Respondents

What is your gender?	Respondents	
	Number	Percent
a. Female	49	38.6%
b. Male	78	61.4%
Totals	127	100.0%

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• **Question 5**

What is your age?



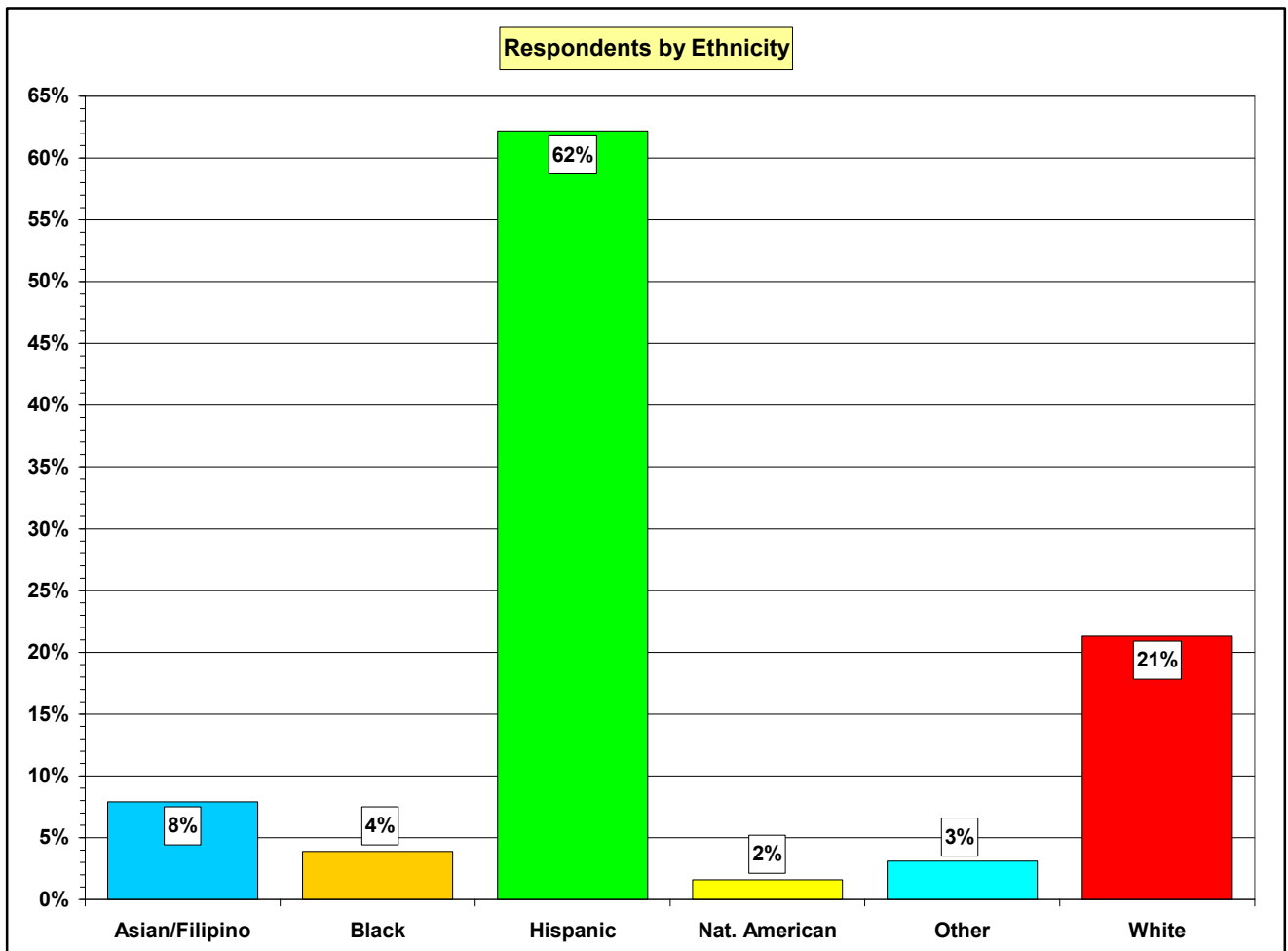
Question 5. Distribution of Survey Respondents

What is your age?	Respondents	
	Number	Percent
a. 17 years of age or younger	0	0.0%
b. 18 or 19 years of age	34	26.8%
c. 20 to 24 years of age	59	46.5%
d. 25 to 29 years of age	21	16.5%
e. 30 to 34 years of age	4	3.1%
f. 35 years of age or older	9	7.1%
Totals	127	100.0%

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• **Question 7**

What is your ethnicity?



Question 7. Distribution of Survey Respondents

What is your ethnicity?	Respondents	
	Number	Percent
a. Asian / Filipino / Pacific islander	10	7.9%
b. Black (African American)	5	3.9%
c. Hispanic / Latino	79	62.2%
d. Native American	2	1.6%
e. Other, Non-white	4	3.1%
f. White	27	21.3%
Totals	127	100.0%

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• **Question 8**

If you have any comments or ways to improve the Ventura College STEM Power Program, please write them on the other side of the survey.

There were **19** written responses, which represent **15%** of all respondents. Comments are reproduced verbatim in the table below. Reference Numbers were assigned to the survey forms by the Office of Research and Evaluation **after** receiving the completed surveys.

Reference Number	Comments
30	Would be nice to have support in Anat/Phys.
33	It is awesome!!!
36	Although I have only recently joined the program, I have been encouraged and been given wonderful advice and opportunities. I would love this program even more if they could include the newly established Holistic Studies program as it is the alternative medicinal field that I am planning to receive my doctoring license in. Overall thank you so much for the many opportunities this program has provided me so that I may continue my educational and career goals.
38	So far I am very satisfied with the STEM Power Program and the resources offered to me through it. I appreciate Gema's level of involvement and her excellent communication with STEM Power members.
40	Gema is great!
46	My grades have improved a lot sense joining the STEM program, and the tutors are great, and Gema is great with giving out information on upcoming events, and helping prepare me for college!
58	Gema did a really good job in running the program, she helped me out in times when she was super busy. She showed that she cared about the program as well as the students.
62	STEM really helped me and improved my academic year of 2009-2010. With workshops provided by Gema, made a smooth transition to apply for schools and scholarships. Gema is a great outreach specialist and mentor, if it wasn't for her I would be somewhat lost in checking up with my admissions for schools. Thanks for the great help STEM!!
65	Thanks to STEM I've been able to pass my classes with the books and free tutoring.
67	I like the frequent emails filled with useful information. Good program and I'm glad I joined.
70	STEM program is pretty baller.
72	Great program.
78	This program is awesome!
79	It's annoying how I recive 100s of emais to turn in my grade sheet but it gets the job done.
80	This program is very strong and dedicated to helping students. I have never found a better program or another that I could compare it to. Please do not hesitate to provide support for this program when you have an opportunity.
89	This program has helped me a lot with the transferring and application process. Thanks to everyone who made this program possible.
107	It a great opportunity to receive help and information, specially tutoring one to one on the subjects such as math and science.
120	I am really satisfied with this program and Gema the managing staff. She is always there for us, she reduced a lot of overload from me during my semester, by sending some important reminders. I love STEM.
127	The STEM program is a great help to me. It has really helped me see a better future for myself.

VENTURA COLLEGE
CCRAA-HSI Grant – STEM Power
Spring 2010 – Student Satisfaction Survey

1. How did you become **aware** of the Ventura College **STEM Power** Program? (Check **all** that apply)

- a. I was referred to the Program by a MESA staff member
- b. I filled out a survey in one of my classes and someone from the Program contacted me
- c. I heard a presentation about the Program in one of my classes
- d. Another student / friend referred me to the Program
- e. I saw a brochure about the Program and it seemed interesting
- f. I was referred to the Program by a VC staff or faculty member

2. Why did you **enroll** with the Ventura College **STEM Power** Program? (Check **all** that apply)

- a. The Program offers textbooks through its lending library
- b. The Program offers free tutoring
- c. The Program provides internship information and opportunities
- d. The Program provides assistance with transfer to a university
- e. The Program provides a good overall support system for my academic and personal goals at VC

3. How would you rate your overall experience with the **STEM Power** services that you **received**?

Using the following scale, write the **number** of your overall experience with each of the services listed below.

1. Very Satisfied 2. Satisfied 3. Neutral 4. Dissatisfied 5. Very Dissatisfied

Only rate those services that you received.

- A. Tutoring / Study Groups
- B. Lending Library / Book Vouchers
- C. Internship opportunities
- D. Opportunity to be trained in the use of state-of-the art scientific equipment
- E. Mentoring from STEM faculty members and staff
- F. Ongoing support from the STEM Outreach Specialist
- G. Workshops to help with preparing CSU or UC Admission Applications
- H. Counseling assistance with creating academic and transfer goals
- I. Overall assistance with transferring to a CSU or UC campus

4. To date, how would you rate your overall experience with the **STEM Power Program**? (Check-off your answer)

- a. Very Satisfied b. Satisfied c. Neutral d. Dissatisfied e. Very Dissatisfied

5. What is your age? (Check-off your answer)

- a. 17 years of age or younger c. 20 to 24 years of age e. 30 to 34 years of age
 b. 18 or 19 years of age d. 25 to 29 years age f. 35 years of age or older

6. What is your gender? (Check-off your answer)

- a. Female b. Male

7. What is your ethnicity? (Check-off your answer)

- a. Asian / Filipino / Pacific Islander c. Hispanic / Latino e. Other, Non-white
 b. Black (African American) d. Native American f. White

8. If you have any comments or ways to improve the **Ventura College STEM Power Program**, please write them on the other side of the survey.

THANK YOU FOR COMPLETING THE SURVEY!