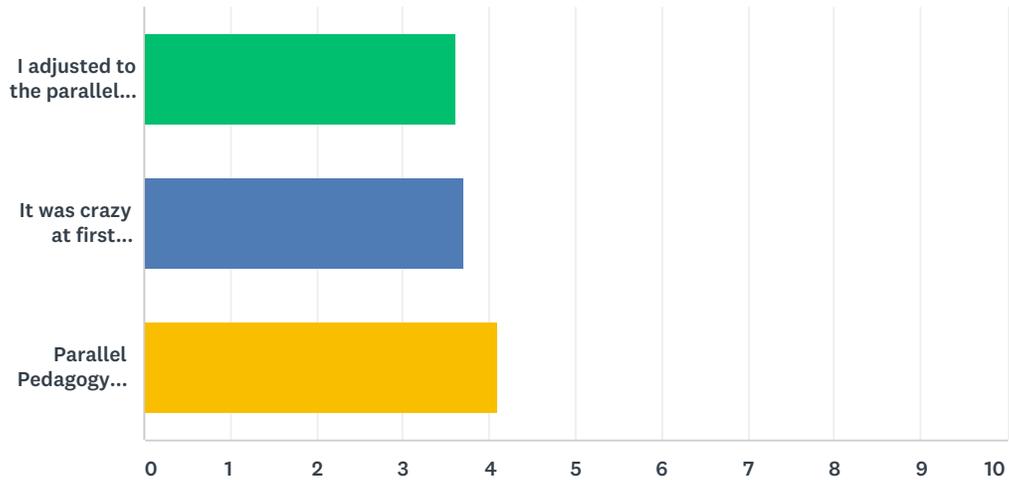


## Q1 Learning concepts in parallel - what was it like for you?

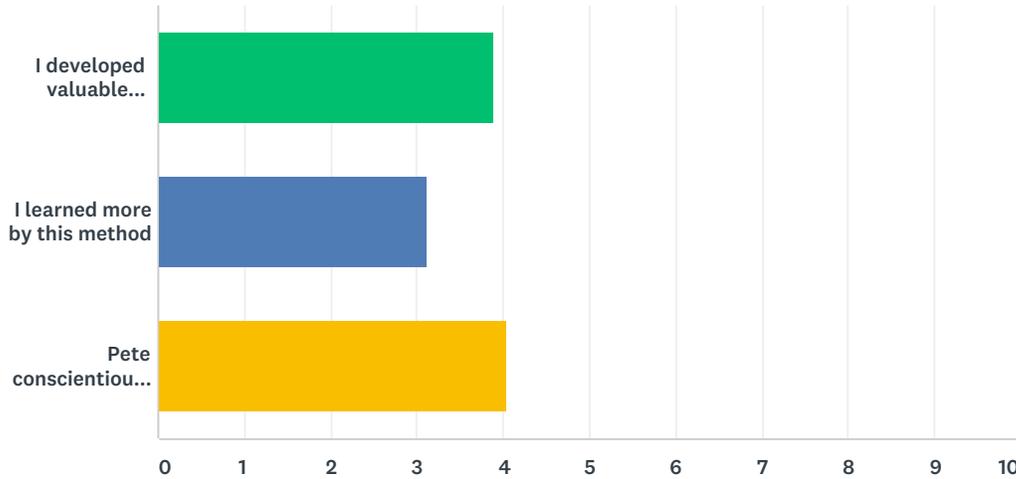
Answered: 37 Skipped: 0



	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE	TOTAL	WEIGHTED AVERAGE
I adjusted to the parallel pedagogy very well	5.41% 2	8.11% 3	24.32% 9	43.24% 16	18.92% 7	37	3.62
It was crazy at first getting all those concepts	0.00% 0	10.81% 4	27.03% 10	43.24% 16	18.92% 7	37	3.70
Parallel Pedagogy resulted in my thinking more about concepts.	2.70% 1	5.41% 2	10.81% 4	40.54% 15	40.54% 15	37	4.11

**Q2 In a flipped classroom, students are exposed to the material at home and class time is used to work problems and develop working groups. How did this work for you?**

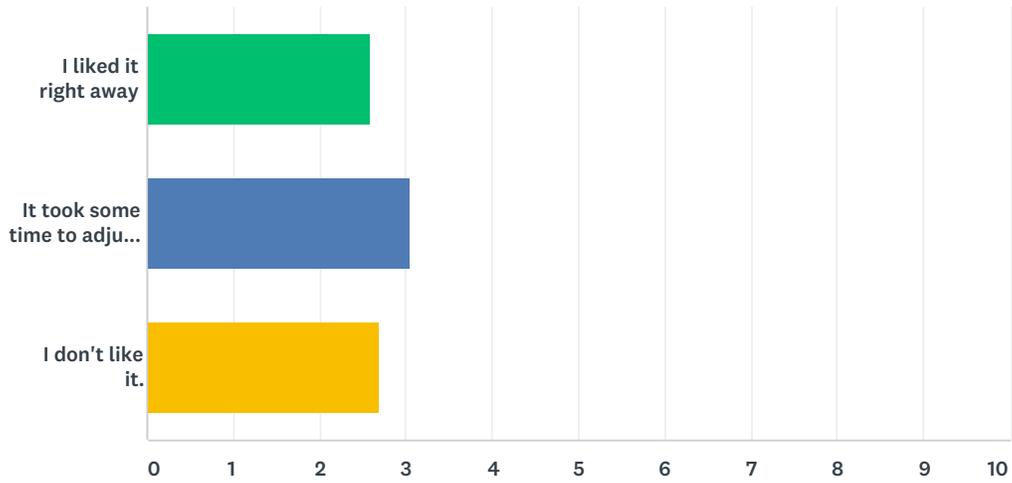
Answered: 37 Skipped: 0



	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE	TOTAL	WEIGHTED AVERAGE
I developed valuable working and social relationships in the class	5.41% 2	5.41% 2	13.51% 5	45.95% 17	29.73% 11	37	3.89
I learned more by this method	13.51% 5	8.11% 3	43.24% 16	24.32% 9	10.81% 4	37	3.11
Pete conscientiously did his job as an instructor with this method	2.70% 1	5.41% 2	16.22% 6	37.84% 14	37.84% 14	37	4.03

### Q3 How did you adjust to the flipped classroom method?

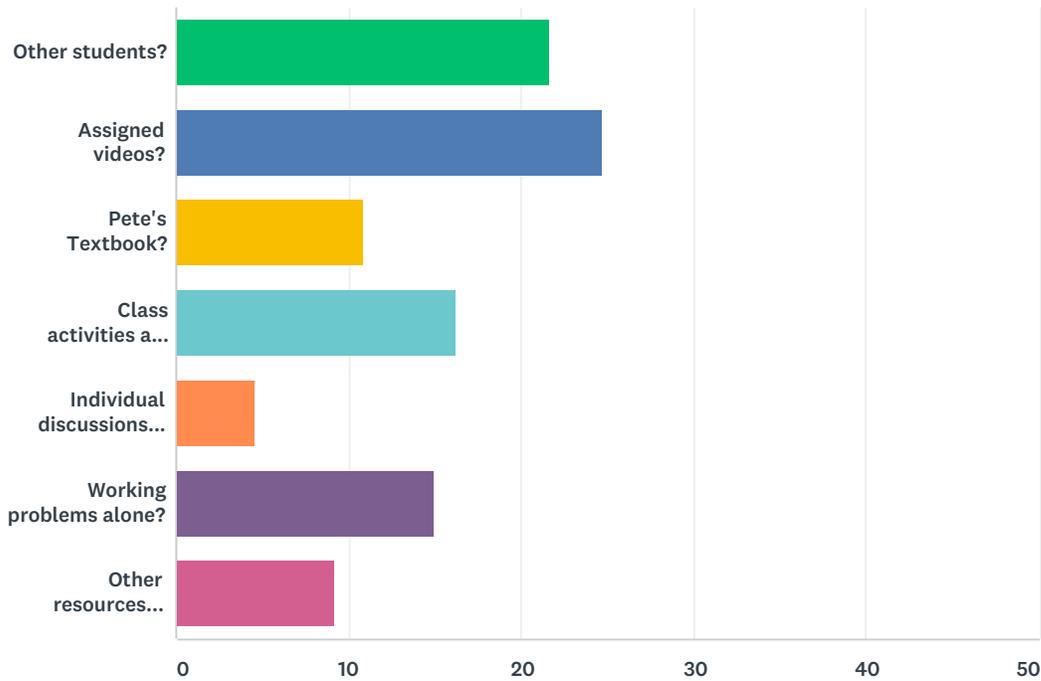
Answered: 37 Skipped: 0



	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE	TOTAL	WEIGHTED AVERAGE
I liked it right away	21.62% 8	24.32% 9	27.03% 10	27.03% 10	0.00% 0	37	2.59
It took some time to adjust to, but I like it	10.81% 4	16.22% 6	35.14% 13	32.43% 12	5.41% 2	37	3.05
I don't like it.	16.22% 6	40.54% 15	13.51% 5	16.22% 6	13.51% 5	37	2.70

### Q4 What percentage of your learning came from these different resources? Answers must add to 100, and please leave out "%" in your numbers

Answered: 37 Skipped: 0



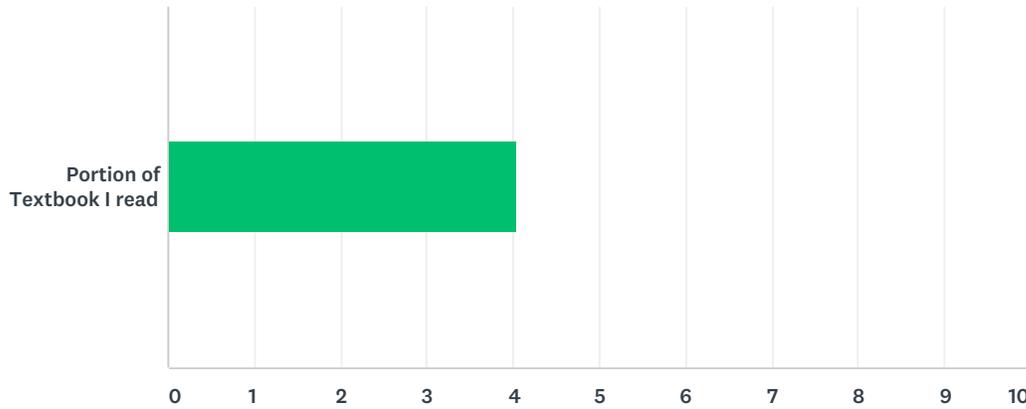
ANSWER CHOICES	AVERAGE NUMBER	TOTAL NUMBER	RESPONSES
Other students?	22	802	37
Assigned videos?	25	915	37
Pete's Textbook?	11	382	35
Class activities and minilectures?	16	601	37
Individual discussions with Pete?	5	152	33
Working problems alone?	15	552	37
Other resources (people, printed material, online)?	9	296	32
Total Respondents: 37			

**Q5 If you listed "other resources" above, please describe what the other is, and list any comment you like.**

Answered: 16 Skipped: 21

## Q6 About what portion of the textbook did you read?

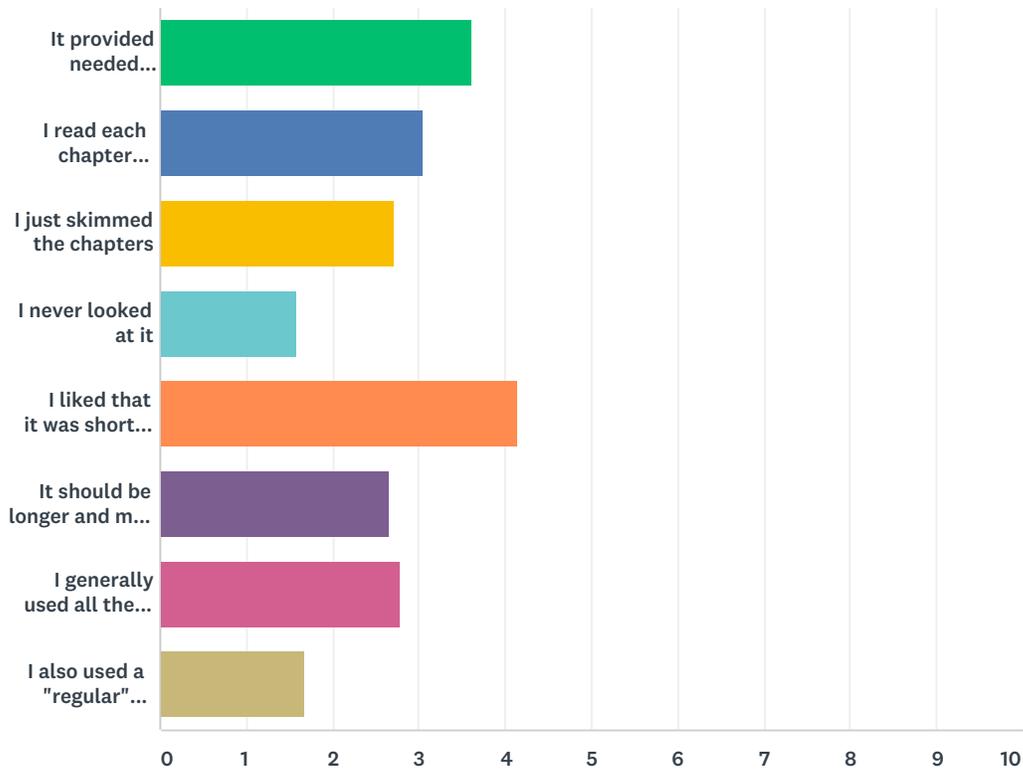
Answered: 37 Skipped: 0



	0%	20%	40%	60%	80%	100%	TOTAL	WEIGHTED AVERAGE
Portion of Textbook I read	5.41%	10.81%	21.62%	13.51%	35.14%	13.51%	37	4.03
	2	4	8	5	13	5		

## Q7 Please describe your experience with the textbook Pete provided chapter by chapter on the website.

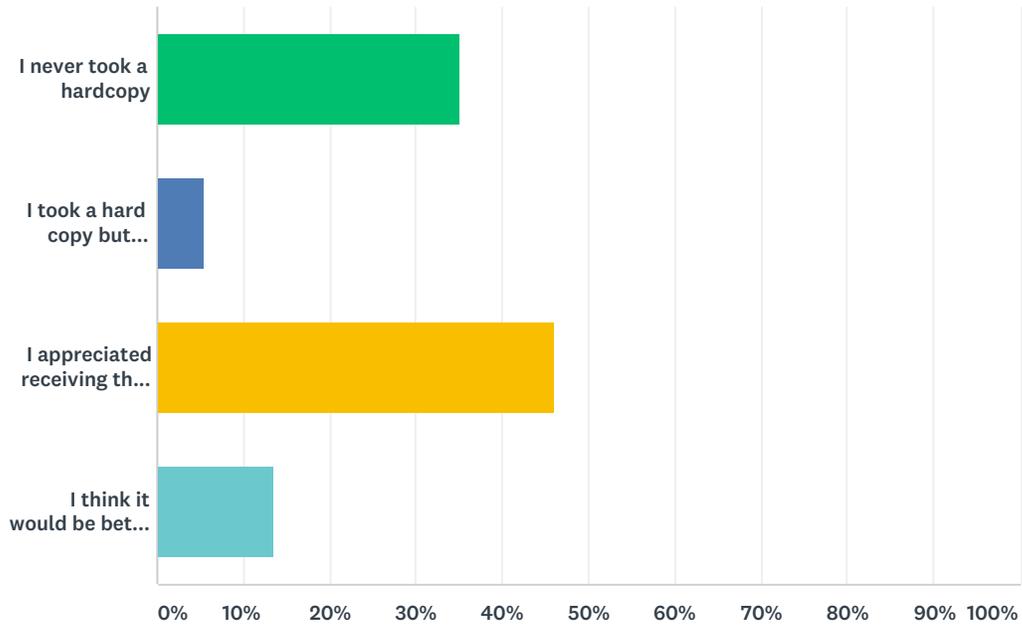
Answered: 36 Skipped: 1



	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE	TOTAL	WEIGHTED AVERAGE
It provided needed background to supplement the videos	2.78% 1	2.78% 1	25.00% 9	69.44% 25	0.00% 0	36	3.61
I read each chapter thoroughly	2.78% 1	30.56% 11	33.33% 12	25.00% 9	8.33% 3	36	3.06
I just skimmed the chapters	8.57% 3	42.86% 15	17.14% 6	31.43% 11	0.00% 0	35	2.71
I never looked at it	58.33% 21	33.33% 12	2.78% 1	2.78% 1	2.78% 1	36	1.58
I liked that it was short and simple.	2.78% 1	2.78% 1	16.67% 6	33.33% 12	44.44% 16	36	4.14
It should be longer and more complete	5.71% 2	48.57% 17	25.71% 9	14.29% 5	5.71% 2	35	2.66
I generally used all the examples and would appreciate more	2.78% 1	44.44% 16	30.56% 11	16.67% 6	5.56% 2	36	2.78
I also used a "regular" physics textbook.	52.78% 19	38.89% 14	2.78% 1	0.00% 0	5.56% 2	36	1.67

## Q8 Maybe you took a hard copy. Which best describes your thoughts?

Answered: 37 Skipped: 0



ANSWER CHOICES	RESPONSES	
I never took a hardcopy	35.14%	13
I took a hard copy but usually just read the online version	5.41%	2
I appreciated receiving the chapters one at a time because they were thin and I could carry them around with me,	45.95%	17
I think it would be better to receive the entire text on the first day of class.	13.51%	5
<b>TOTAL</b>		<b>37</b>

**Q9 Please offer any other thoughts / requests / advice with respect to the textbook.**

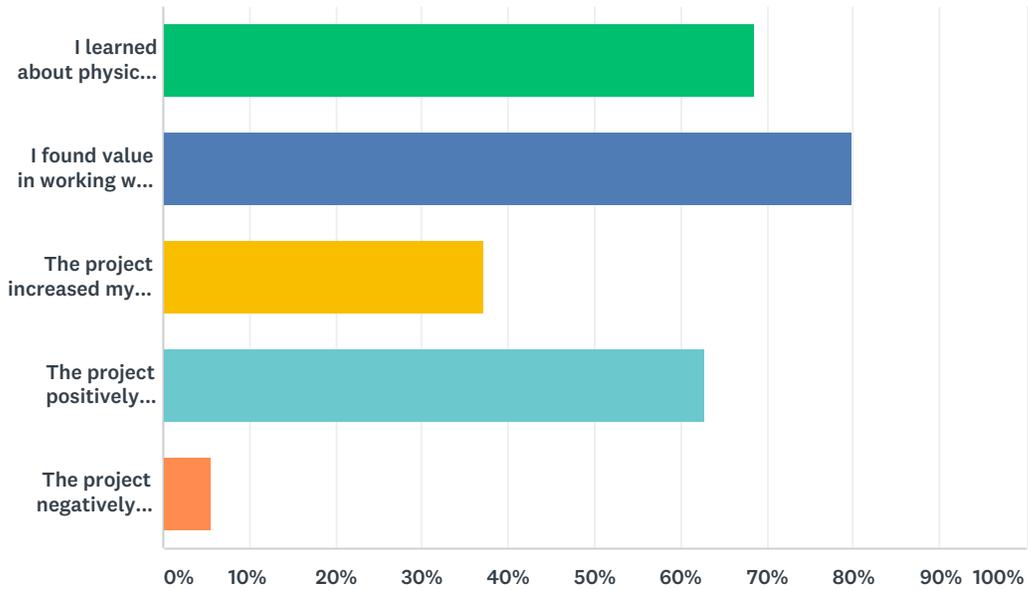
Answered: 22 Skipped: 15

**Q10 Few students came to office hours. Please explain why you did OR didn't come and what this was like for you.**

Answered: 30 Skipped: 7

### Q11 With regard to the one project we did, please check all that apply:

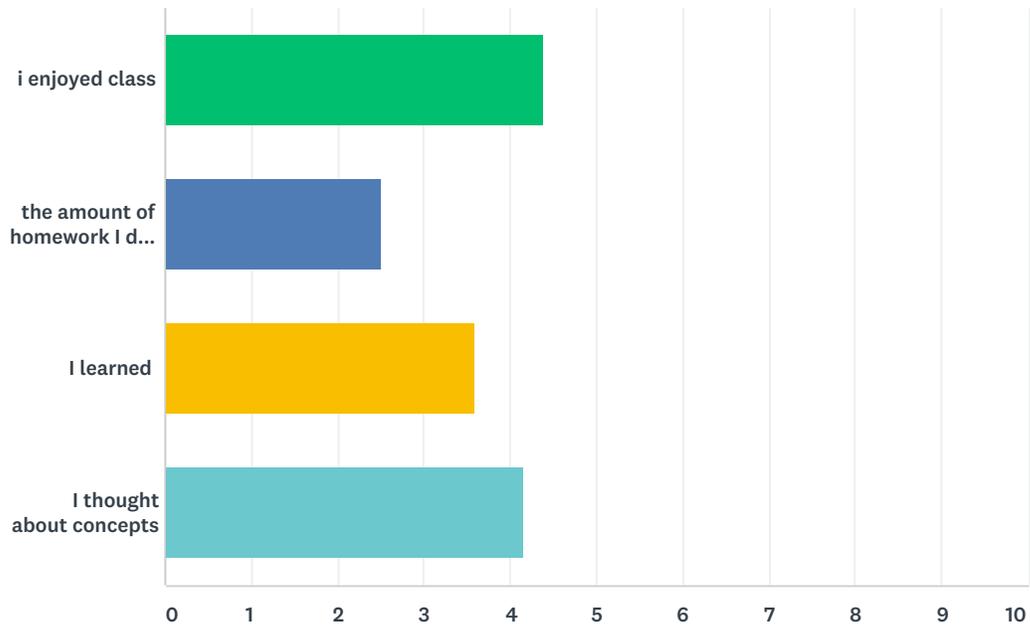
Answered: 35 Skipped: 2



ANSWER CHOICES	RESPONSES	
I learned about physics doing the project.	68.57%	24
I found value in working with the group.	80.00%	28
The project increased my stress.	37.14%	13
The project positively impacted my learning experience.	62.86%	22
The project negatively impacted my learning experience.	5.71%	2
Total Respondents: 35		

## Q12 Homework and attendance was not calculated into your final grade. Because of this,

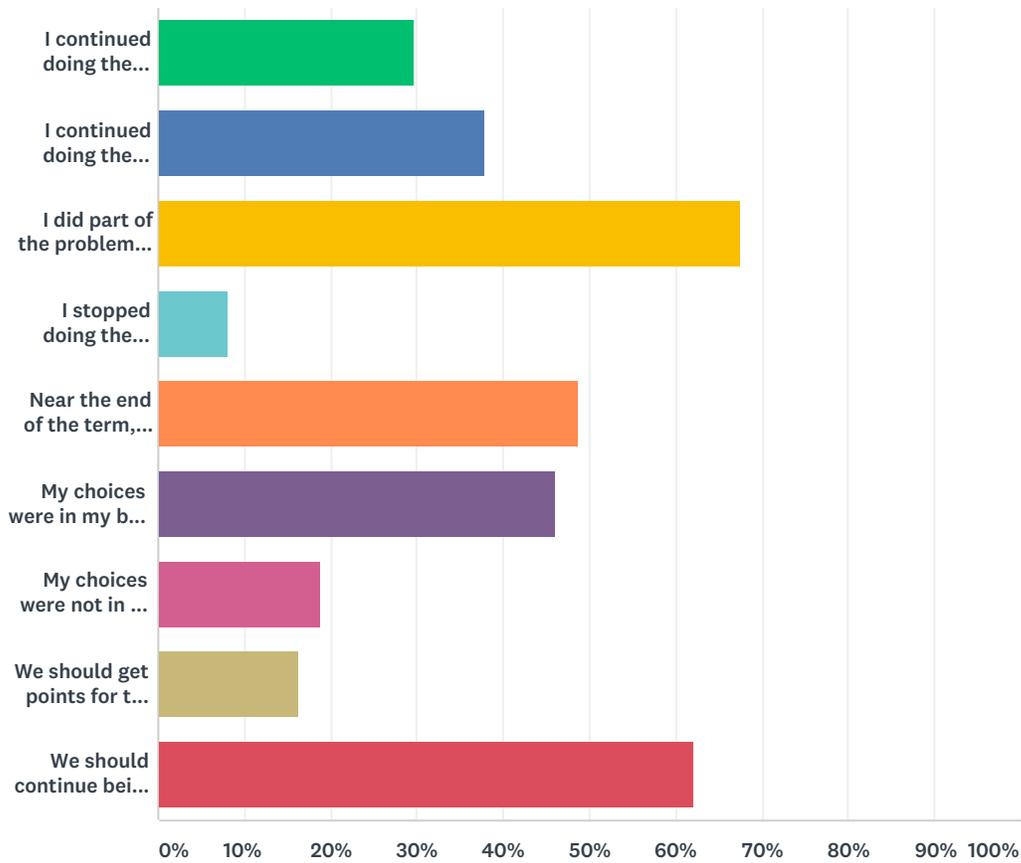
Answered: 35 Skipped: 2



	WAY LESS	LESS	THE SAME	A LITTLE MORE	WAY MORE	TOTAL	WEIGHTED AVERAGE
i enjoyed class	0.00% 0	0.00% 0	8.57% 3	42.86% 15	48.57% 17	35	4.40
the amount of homework I did was	11.43% 4	34.29% 12	45.71% 16	8.57% 3	0.00% 0	35	2.51
I learned	0.00% 0	0.00% 0	54.29% 19	31.43% 11	14.29% 5	35	3.60
I thought about concepts	0.00% 0	0.00% 0	31.43% 11	20.00% 7	48.57% 17	35	4.17

### Q13 As the quarter progressed, the number of students handing in problem sets decreased. Check all that apply.

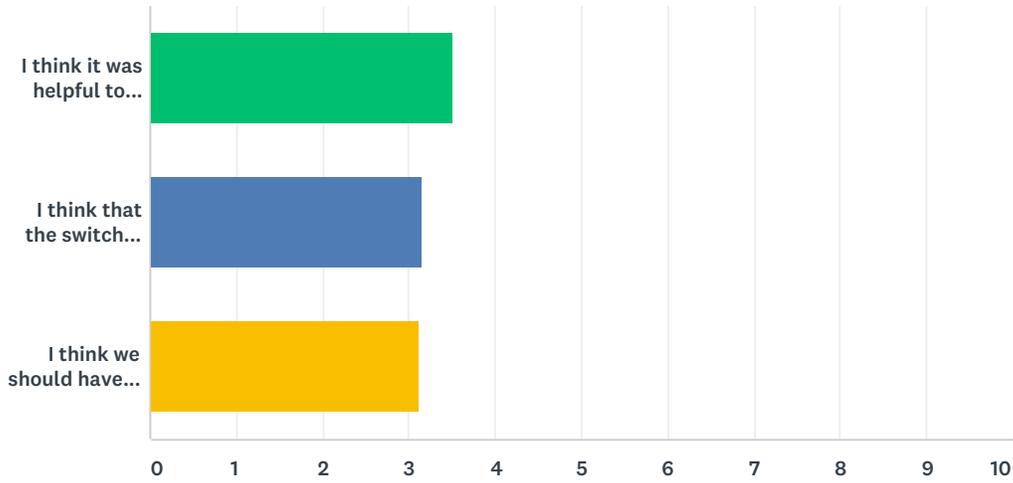
Answered: 37 Skipped: 0



ANSWER CHOICES	RESPONSES	
I continued doing the problem sets on time, but didn't hand them in.	29.73%	11
I continued doing the problem sets after the solutions were out and finished them.	37.84%	14
I did part of the problem sets, choosing the problems I thought were important.	67.57%	25
I stopped doing the problem sets altogether.	8.11%	3
Near the end of the term, I got behind in everything and spent less time on physics.	48.65%	18
My choices were in my best interest.	45.95%	17
My choices were not in my best interest.	18.92%	7
We should get points for the problem sets to incentivize doing them.	16.22%	6
We should continue being graded only on Exams and the projects so everyone can find their preferred method of learning.	62.16%	23
Total Respondents: 37		

Q14 After midterm #1, I asked people to move around to a different spot for a day. Please indicate your response below.

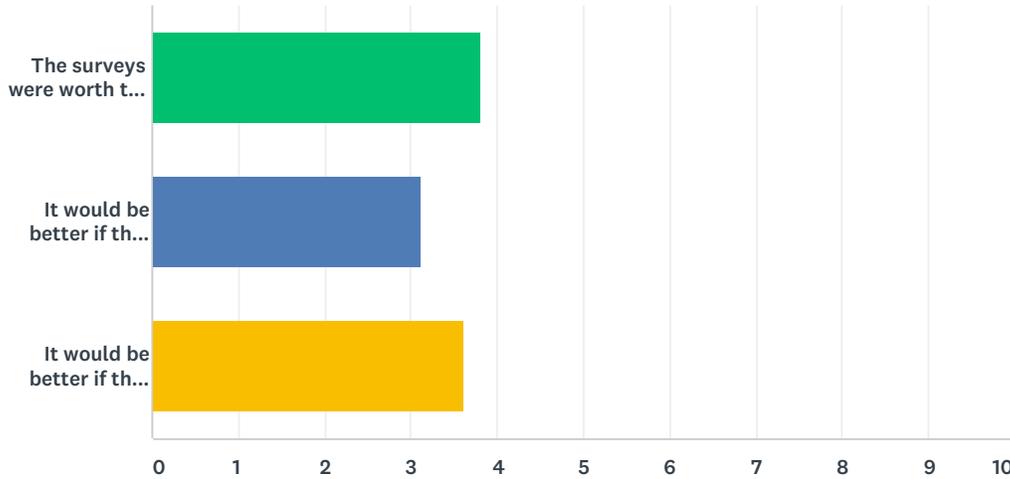
Answered: 37 Skipped: 0



	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE	TOTAL	WEIGHTED AVERAGE
I think it was helpful to switch spots for a day	5.41% 2	16.22% 6	21.62% 8	35.14% 13	21.62% 8	37	3.51
I think that the switch should be for at least a week so we can establish new contacts	8.11% 3	24.32% 9	24.32% 9	29.73% 11	13.51% 5	37	3.16
I think we should have this switch more than once.	10.81% 4	24.32% 9	27.03% 10	18.92% 7	18.92% 7	37	3.11

Q15 We did 5, 10-question multiple choice surveys exercising conceptual understanding. I'm thinking that I might reduce the number of questions, putting in ones that challenge you a little more. What do you think?

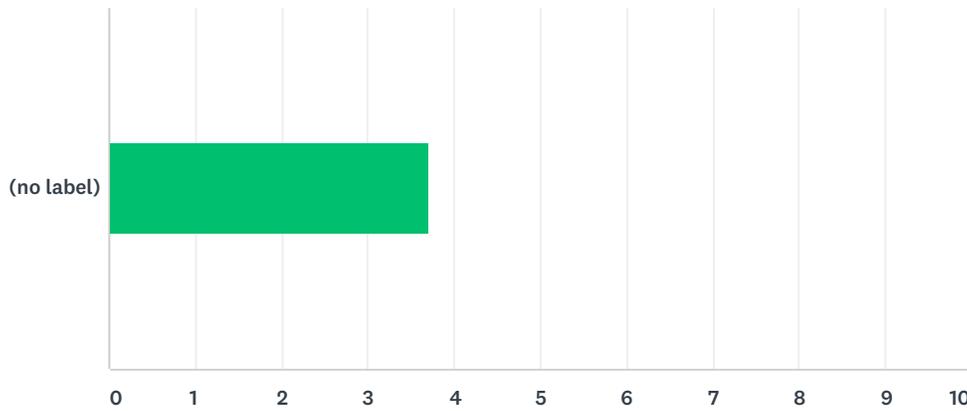
Answered: 37 Skipped: 0



	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE	TOTAL	WEIGHTED AVERAGE
The surveys were worth the time spent doing them at home and in class.	0.00% 0	10.81% 4	13.51% 5	59.46% 22	16.22% 6	37	3.81
It would be better if there were fewer questions	0.00% 0	27.03% 10	40.54% 15	27.03% 10	5.41% 2	37	3.11
It would be better if there were questions that are conceptually more challenging	0.00% 0	21.62% 8	13.51% 5	45.95% 17	18.92% 7	37	3.62

## Q16 Compared to how much I thought I was going to enjoy learning physics on the first day of class, I actually enjoyed it...

Answered: 37 Skipped: 0



	WAY LESS	A LITTLE LESS	THE SAME	A LITTLE MORE	WAY MORE	TOTAL	WEIGHTED AVERAGE
(no label)	2.70%	16.22%	16.22%	37.84%	27.03%	37	3.70
	1	6	6	14	10		

**Q17 Enter any comments about the projects or how to make projects better.**

Answered: 16 Skipped: 21