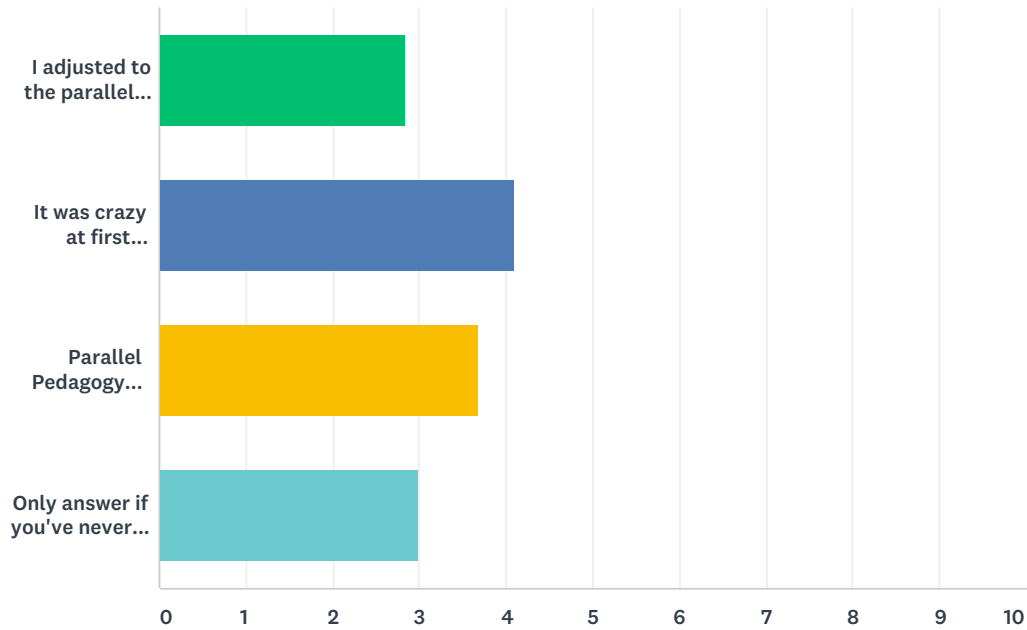


## Q1 Learning concepts in parallel - what was it like for you?

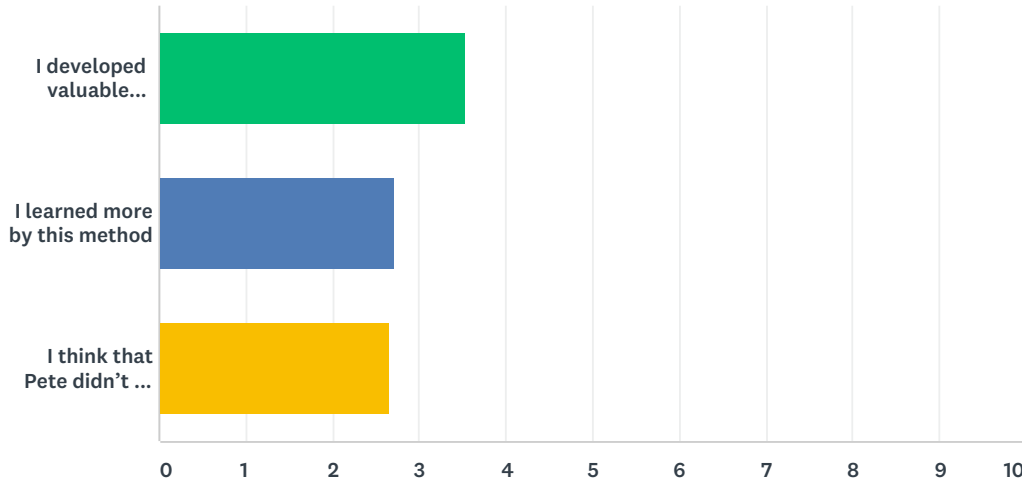
Answered: 41 Skipped: 0



	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE	TOTAL	WEIGHTED AVERAGE
I adjusted to the parallel pedagogy very well	14.63% 6	17.07% 7	41.46% 17	21.95% 9	4.88% 2	41	2.85
It was crazy at first getting all those concepts	2.44% 1	4.88% 2	14.63% 6	36.59% 15	41.46% 17	41	4.10
Parallel Pedagogy resulted in my thinking more about concepts.	4.88% 2	7.32% 3	24.39% 10	41.46% 17	21.95% 9	41	3.68
Only answer if you've never had physics before: "learning all the concepts in parallel seemed natural to me. I only know it is an alternative pedagogy because you told us it is."	24.00% 6	16.00% 4	12.00% 3	32.00% 8	16.00% 4	25	3.00

**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?**

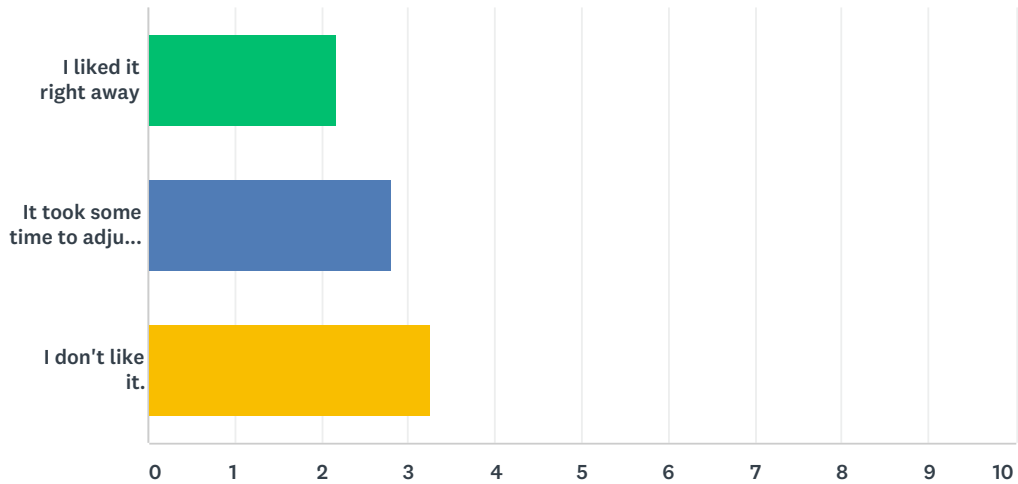
Answered: 41 Skipped: 0



	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE	TOTAL	WEIGHTED AVERAGE
I developed valuable working and social relationships in the class	4.88% 2	17.07% 7	21.95% 9	31.71% 13	24.39% 10	41	3.54
I learned more by this method	19.51% 8	24.39% 10	31.71% 13	14.63% 6	9.76% 4	41	2.71
I think that Pete didn't do his job as an instructor	26.83% 11	24.39% 10	19.51% 8	14.63% 6	14.63% 6	41	2.66

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

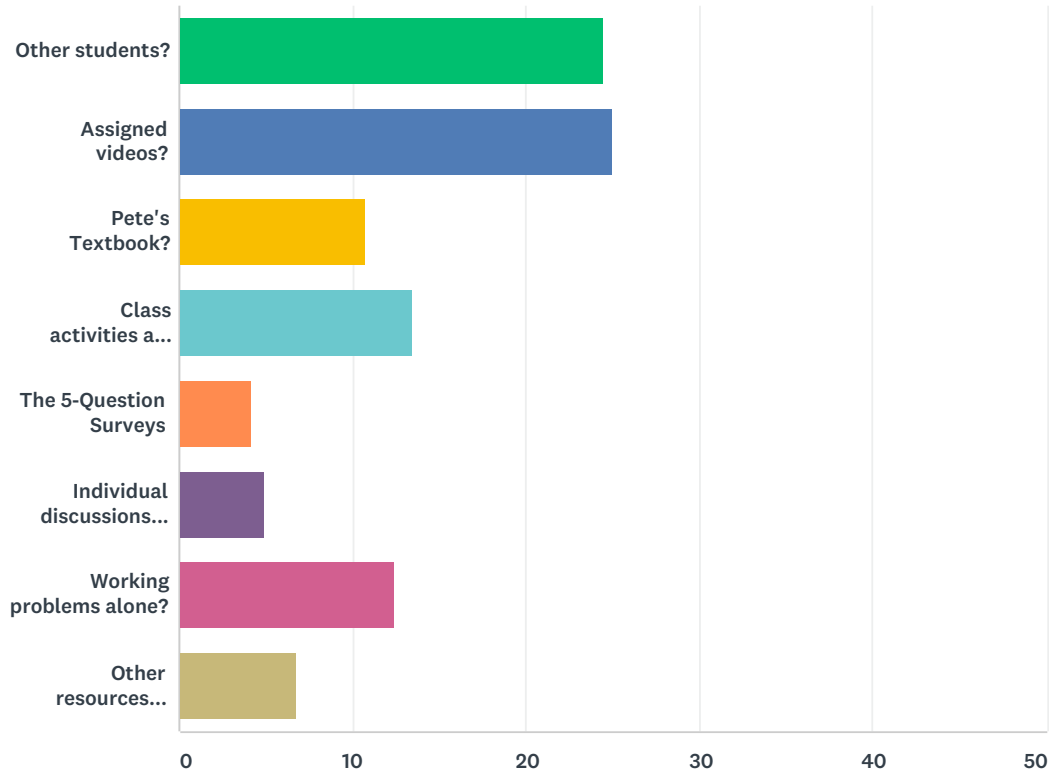
Answered: 40 Skipped: 1



	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE	TOTAL	WEIGHTED AVERAGE
I liked it right away	32.50% 13	27.50% 11	30.00% 12	10.00% 4	0.00% 0	40	2.17
It took some time to adjust to, but I like it	12.50% 5	27.50% 11	27.50% 11	32.50% 13	0.00% 0	40	2.80
I don't like it.	5.00% 2	22.50% 9	35.00% 14	15.00% 6	22.50% 9	40	3.27

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

Answered: 41 Skipped: 0



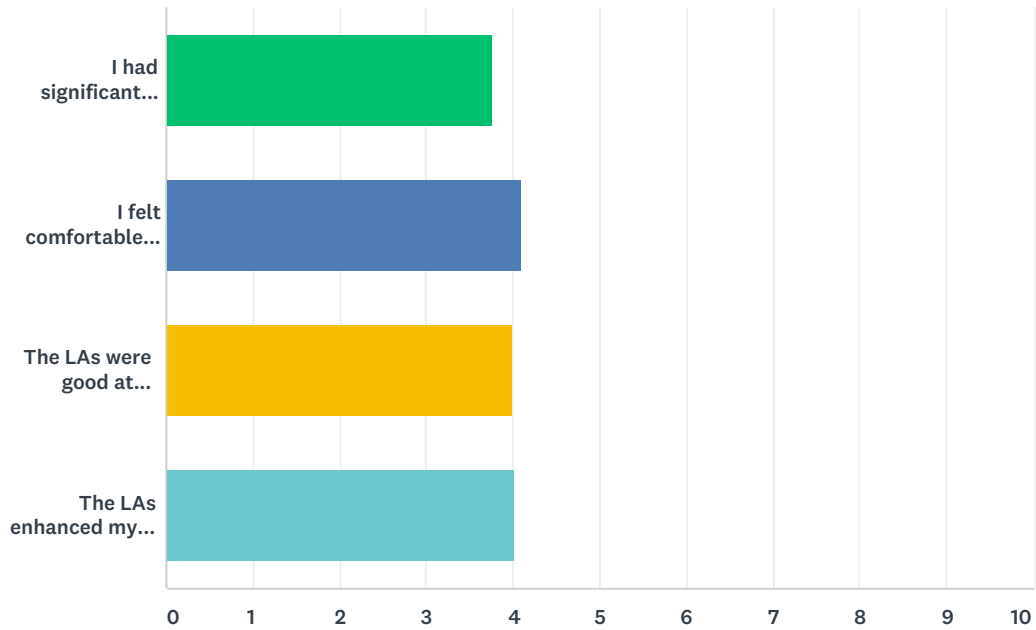
ANSWER CHOICES	AVERAGE NUMBER	TOTAL NUMBER	RESPONSES
Other students?	24	1,002	41
Assigned videos?	25	1,026	41
Pete's Textbook?	11	431	40
Class activities and minilectures?	14	528	39
The 5-Question Surveys	4	164	39
Individual discussions with Pete?	5	192	39
Working problems alone?	12	497	40
Other resources (people, printed material, online)?	7	260	38
Total Respondents: 41			

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

Answered: 19 Skipped: 22

## Q6 Please describe your experience with the Learning Assistants (LAs)

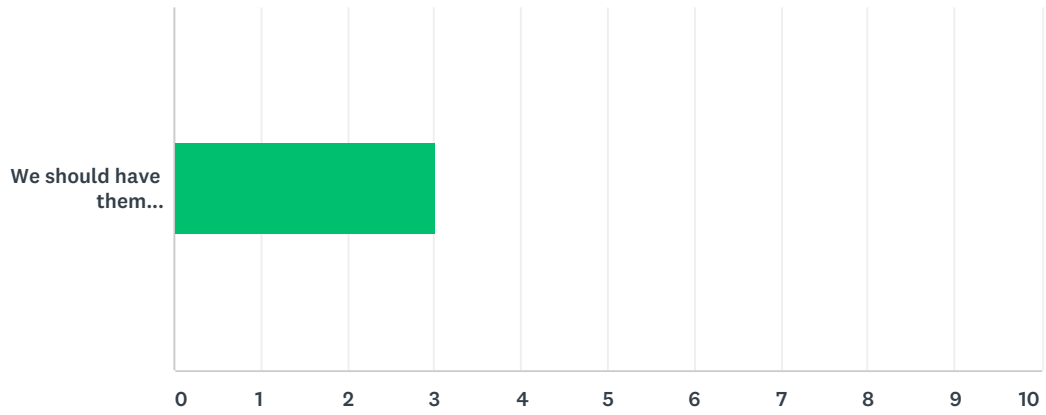
Answered: 41 Skipped: 0



	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE	TOTAL	WEIGHTED AVERAGE
I had significant engagement with the LAs	4.88% 2	7.32% 3	14.63% 6	53.66% 22	19.51% 8	41	3.76
I felt comfortable talking with the LAs	2.44% 1	2.44% 1	12.20% 5	48.78% 20	34.15% 14	41	4.10
The LAs were good at recognizing when to intervene	0.00% 0	4.88% 2	17.07% 7	51.22% 21	26.83% 11	41	4.00
The LAs enhanced my physics learning	0.00% 0	4.88% 2	24.39% 10	34.15% 14	36.59% 15	41	4.02

### Q7 With regard to the 5-question surveys, should we continue them?

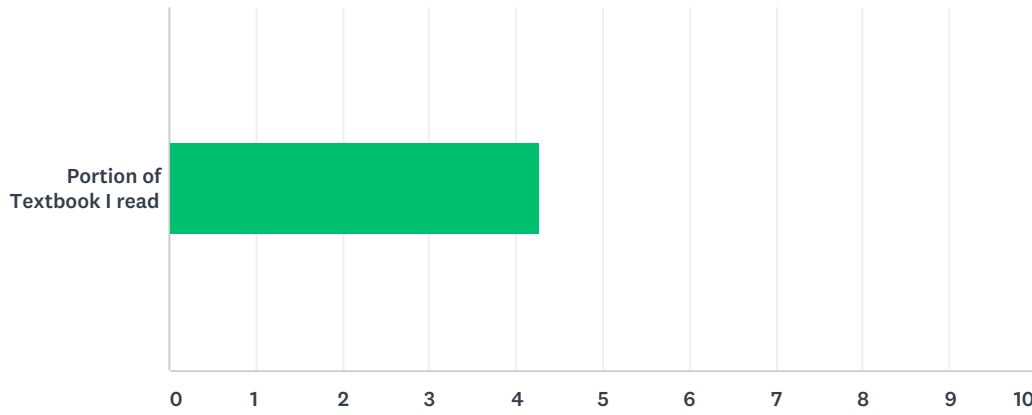
Answered: 41 Skipped: 0



	NEVER AGAIN	LESS OFTEN	THE SAME IS IN THIS CLASS	MORE OFTEN	EVERY CLASS	TOTAL	WEIGHTED AVERAGE
We should have them...	7.32% 3	12.20% 5	58.54% 24	14.63% 6	7.32% 3	41	3.02

## Q8 About what portion of the textbook did you read?

Answered: 41 Skipped: 0

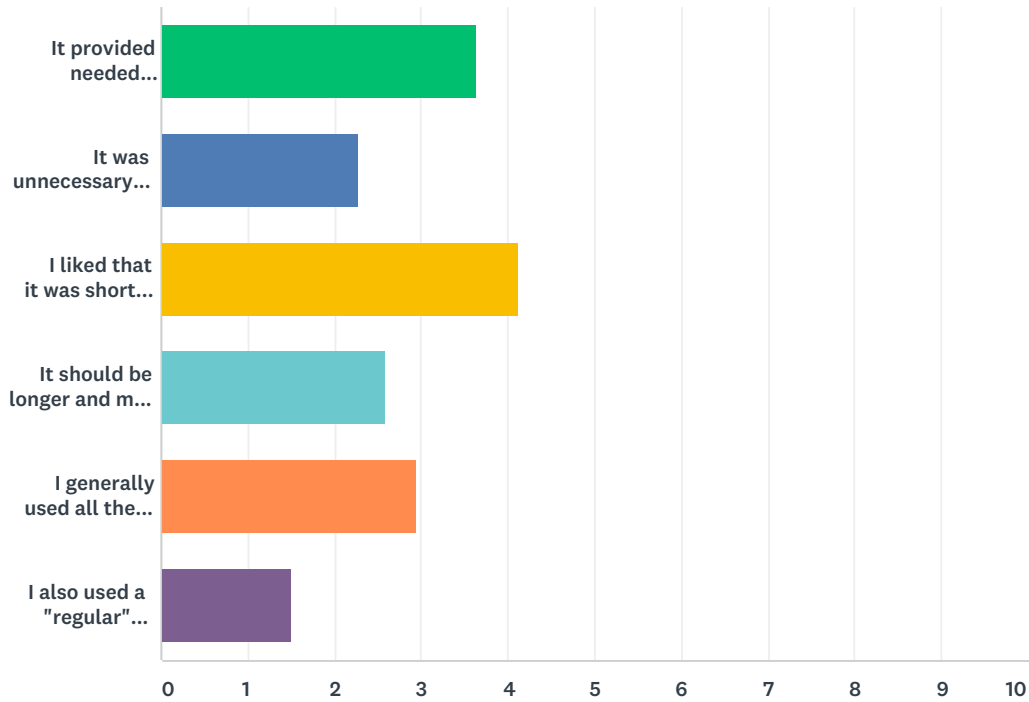


	0%	20%	40%	60%	80%	100%	TOTAL	WEIGHTED AVERAGE
Portion of Textbook I read	0.00% 0	9.76% 4	17.07% 7	24.39% 10	34.15% 14	14.63% 6	41	4.27



### Q9 Please describe your experience with the textbook Pete provided chapter by chapter on the website.

Answered: 41 Skipped: 0



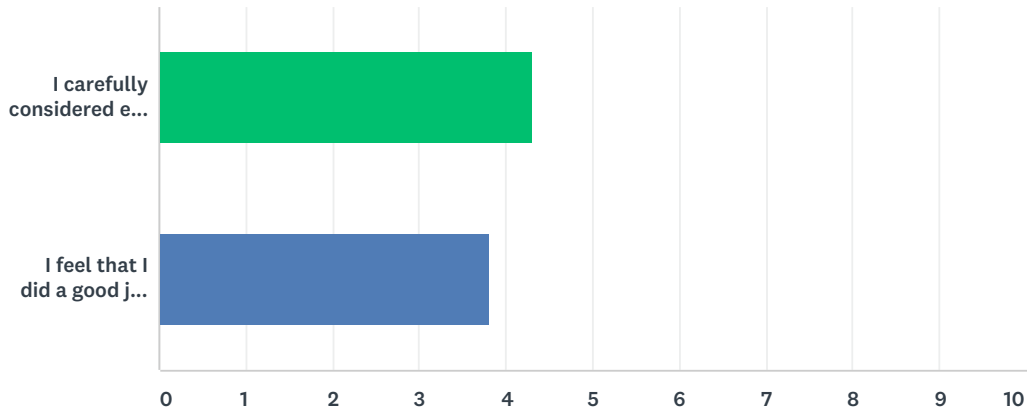
	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE	TOTAL	WEIGHTED AVERAGE
It provided needed background to supplement the videos	2.44% 1	12.20% 5	19.51% 8	51.22% 21	14.63% 6	41	3.63
It was unnecessary because the videos provide everything I need	9.76% 4	60.98% 25	21.95% 9	7.32% 3	0.00% 0	41	2.27
I liked that it was short and simple.	2.44% 1	4.88% 2	17.07% 7	29.27% 12	46.34% 19	41	4.12
It should be longer and more complete	14.63% 6	36.59% 15	26.83% 11	19.51% 8	2.44% 1	41	2.59
I generally used all the examples and would appreciate more	4.88% 2	31.71% 13	34.15% 14	21.95% 9	7.32% 3	41	2.95
I also used a "regular" physics textbook.	65.85% 27	24.39% 10	4.88% 2	2.44% 1	2.44% 1	41	1.51

**Q10 Please offer any other thoughts / requests / advice with respect to the textbook.**

Answered: 15 Skipped: 26

### Q11 On MT#2, I allowed you to do 3 of the 4 questions - any three you like. How did this work for you?

Answered: 41 Skipped: 0



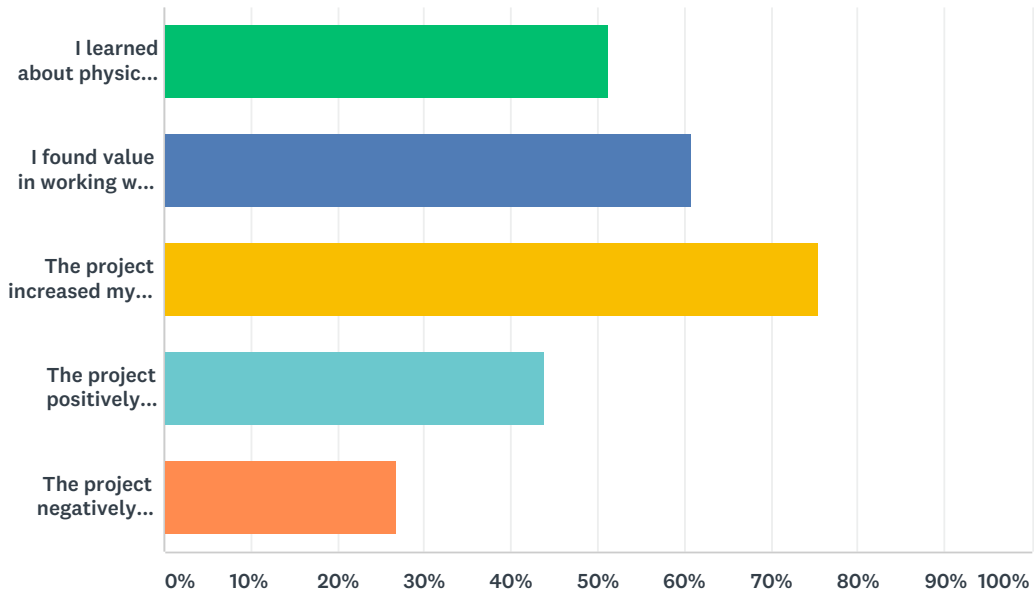
	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE	TOTAL	WEIGHTED AVERAGE
I carefully considered each question and chose the three that I thought I'd do best on.	2.44% 1	0.00% 0	12.20% 5	34.15% 14	51.22% 21	41	4.32
I feel that I did a good job picking the best 3 questions for my ability.	2.44% 1	12.20% 5	21.95% 9	29.27% 12	34.15% 14	41	3.80

**Q12 Few students came to office hours. Please explain why you did/didn't come and what this was like for you.**

Answered: 33 Skipped: 8

### Q13 With regard to the project we did, please check all that apply:

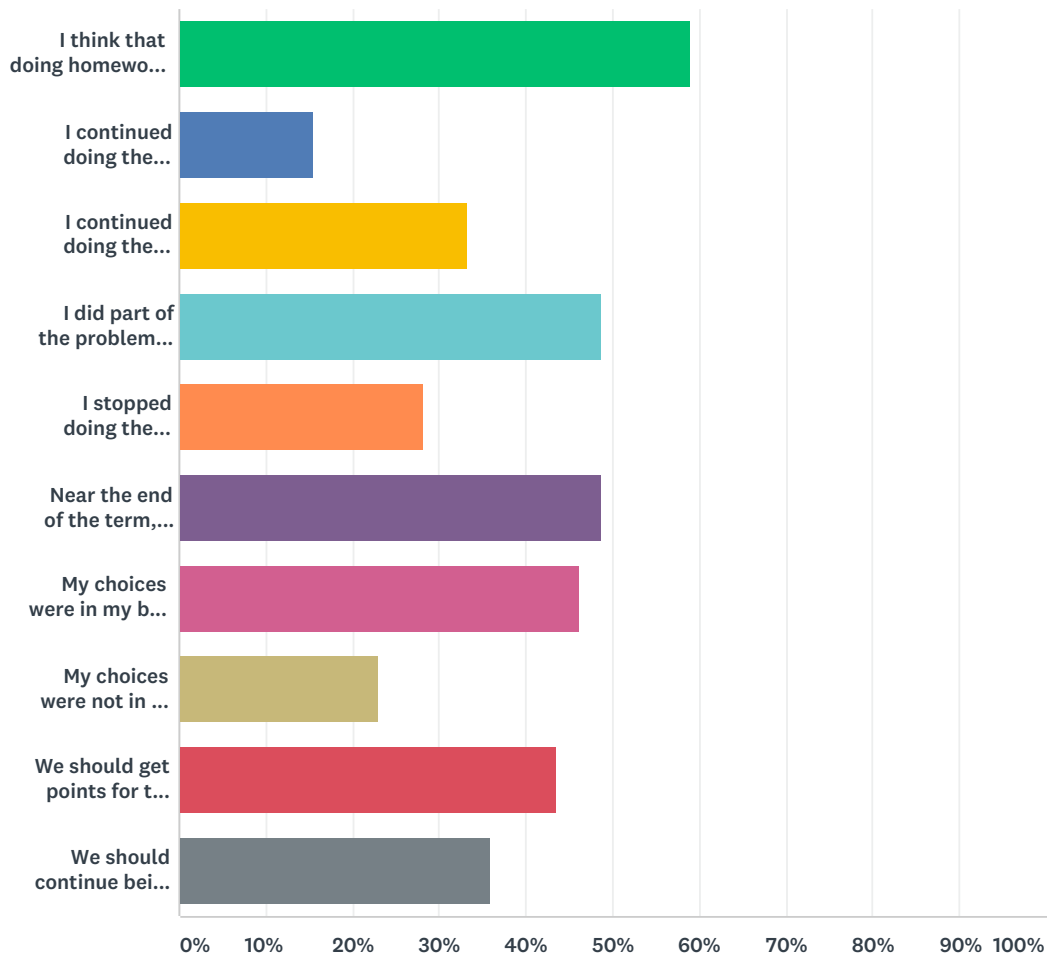
Answered: 41 Skipped: 0



ANSWER CHOICES	RESPONSES	
I learned about physics doing the project.	51.22%	21
I found value in working with the group.	60.98%	25
The project increased my stress.	75.61%	31
The project positively impacted my learning experience.	43.90%	18
The project negatively impacted my learning experience.	26.83%	11
Total Respondents: 41		

Q14 This group of students handed in very little homework and it decreased considerably during the quarter. Check all that apply.

Answered: 39 Skipped: 2

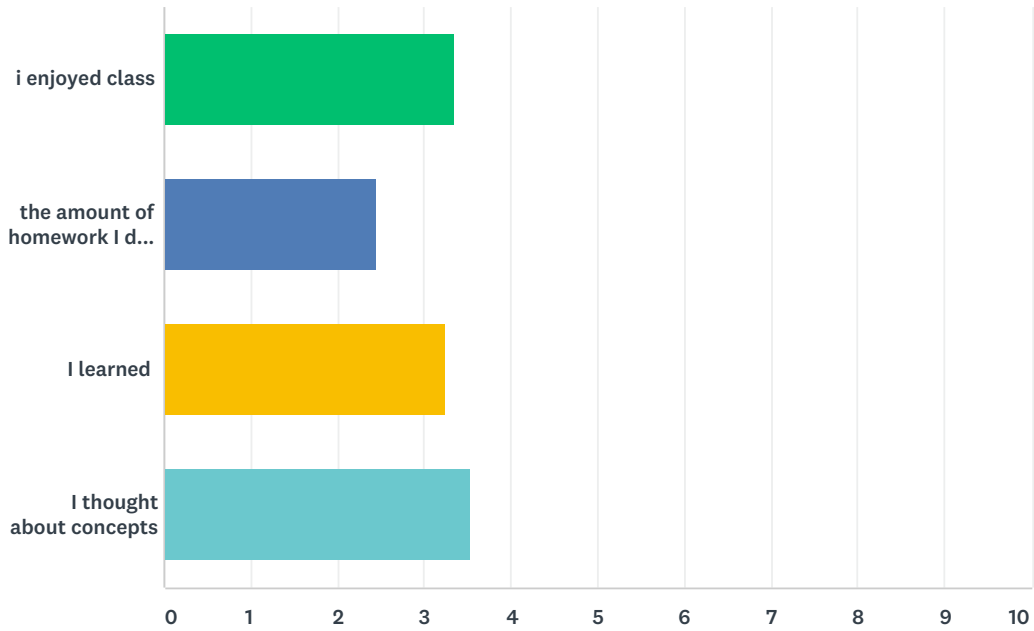


ANSWER CHOICES	RESPONSES	
I think that doing homework is important in order to learn the material and do well on the exams.	58.97%	23
I continued doing the problem sets on time, but didn't hand them in.	15.38%	6
I continued doing the problem sets after the solutions were out and finished them.	33.33%	13
I did part of the problem sets, choosing the problems I thought were important.	48.72%	19
I stopped doing the problem sets altogether.	28.21%	11
Near the end of the term, I got behind in everything and spent less time on physics.	48.72%	19
My choices were in my best interest.	46.15%	18
My choices were not in my best interest.	23.08%	9
We should get points for the problem sets to incentivize doing them.	43.59%	17
We should continue being graded only on Exams and the projects, allowing us to be motivated to do problem sets by our interest to learn.	35.90%	14

Total Respondents: 39

## Q15 Homework and attendance was not calculated into your final grade. Because of this,

Answered: 41 Skipped: 0

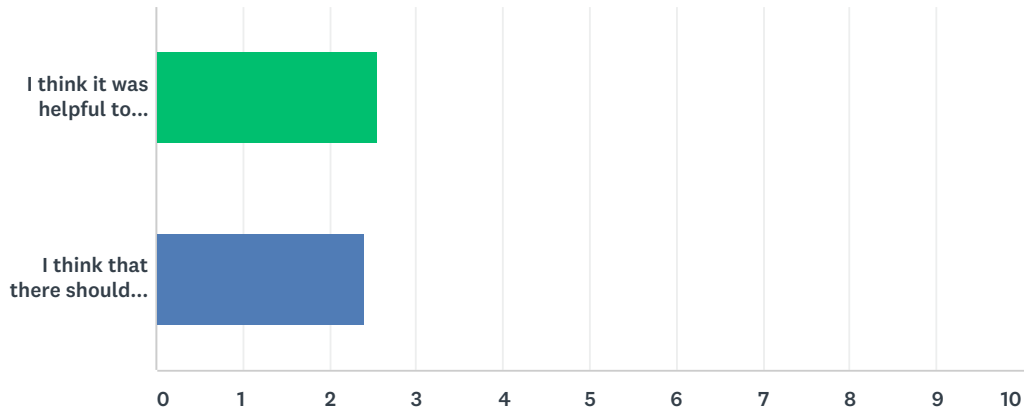


	WAY LESS	LESS	THE SAME	A LITTLE MORE	WAY MORE	TOTAL	WEIGHTED AVERAGE
i enjoyed class	7.32% 3	9.76% 4	36.59% 15	34.15% 14	12.20% 5	41	3.34
the amount of homework I did was	17.07% 7	26.83% 11	51.22% 21	4.88% 2	0.00% 0	41	2.44
I learned	2.44% 1	17.07% 7	46.34% 19	21.95% 9	12.20% 5	41	3.24
I thought about concepts	2.44% 1	12.20% 5	34.15% 14	31.71% 13	19.51% 8	41	3.54



Q16 After midterm #1, we switched group partners. Please indicate your response below.

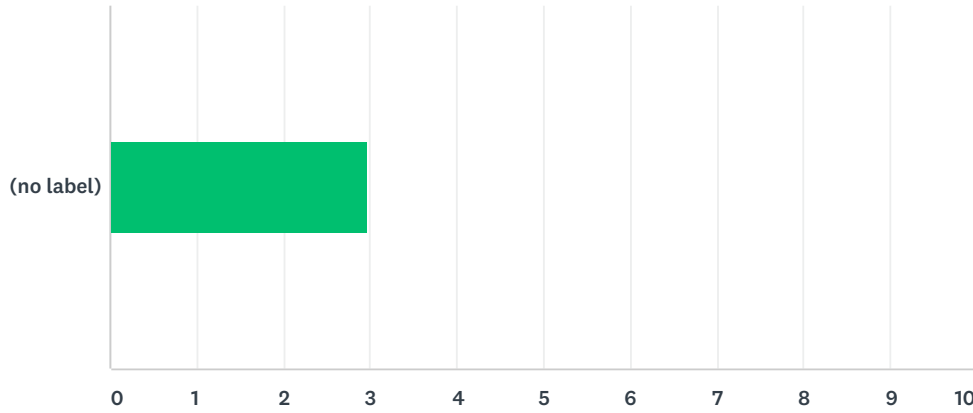
Answered: 41 Skipped: 0



	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE	TOTAL	WEIGHTED AVERAGE
I think it was helpful to switch groups	21.95% 9	24.39% 10	36.59% 15	9.76% 4	7.32% 3	41	2.56
I think that there should be another group switch after the second midterm too.	31.71% 13	21.95% 9	24.39% 10	17.07% 7	4.88% 2	41	2.41

Q17 I asked you on the first day of class how much you thought you were going to enjoy physics. Compared to how much you thought you'd enjoy physics, you actually enjoyed it...

Answered: 41 Skipped: 0



	WAY LESS	A LITTLE LESS	THE SAME	A LITTLE MORE	WAY MORE	TOTAL	WEIGHTED AVERAGE
(no label)	19.51% 8	17.07% 7	24.39% 10	24.39% 10	14.63% 6	41	2.98

## Q18 Enter any comments about the class

Answered: 20 Skipped: 21