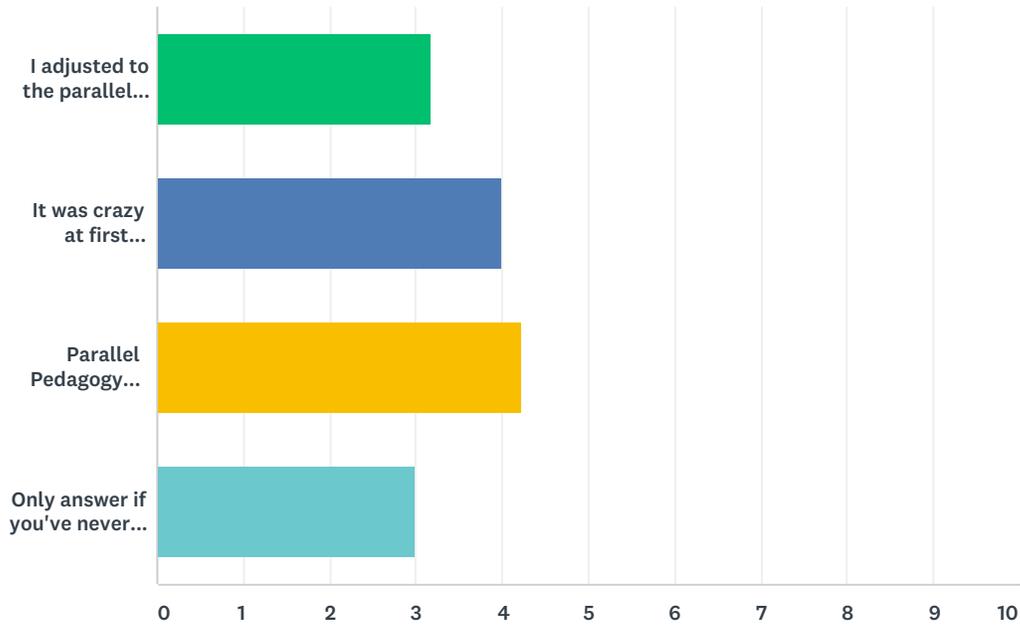


Q1 Learning concepts in parallel - what was it like for you?

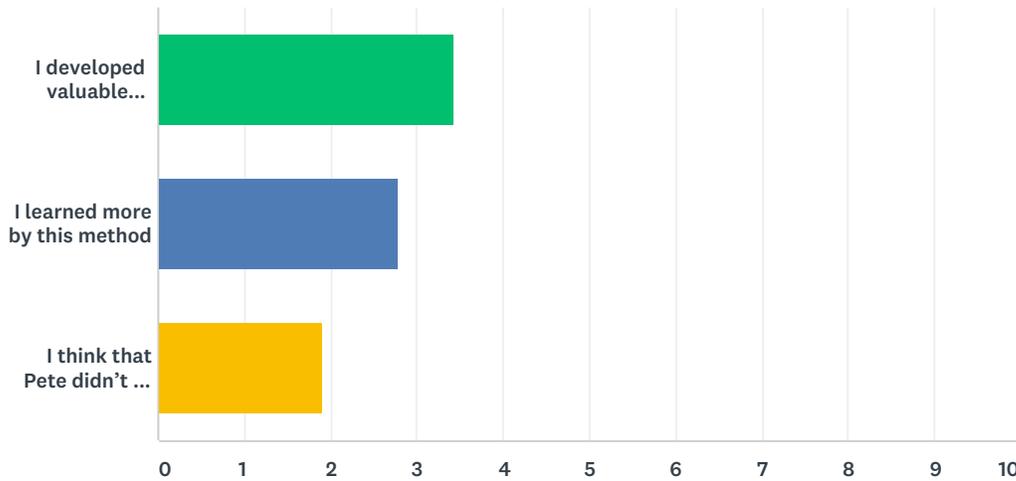
Answered: 32 Skipped: 0



	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE	TOTAL	WEIGHTED AVERAGE
I adjusted to the parallel pedagogy very well	0.00% 0	28.13% 9	28.13% 9	40.63% 13	3.13% 1	32	3.19
It was crazy at first getting all those concepts	0.00% 0	9.38% 3	25.00% 8	21.88% 7	43.75% 14	32	4.00
Parallel Pedagogy resulted in my thinking more about concepts.	0.00% 0	3.13% 1	9.38% 3	50.00% 16	37.50% 12	32	4.22
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."	5.26% 1	42.11% 8	10.53% 2	31.58% 6	10.53% 2	19	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?

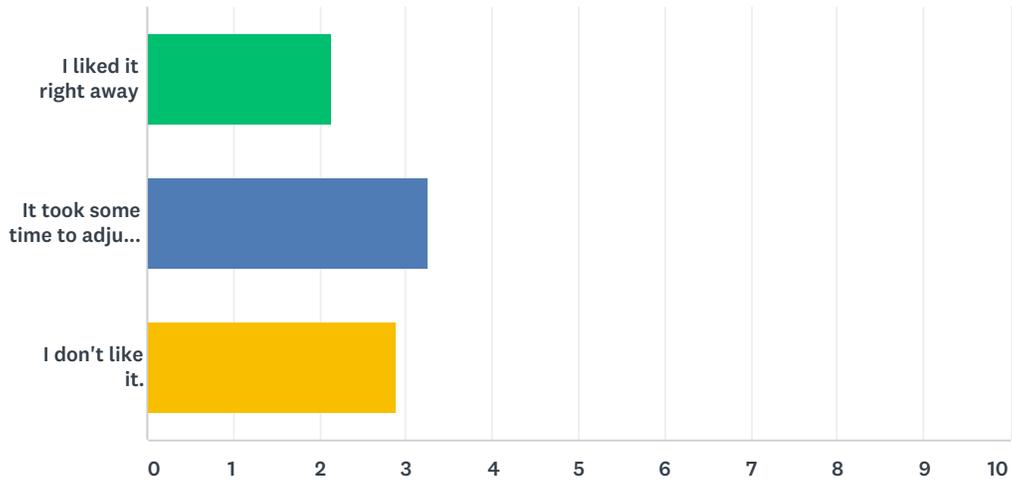
Answered: 32 Skipped: 0



	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE	TOTAL	WEIGHTED AVERAGE
I developed valuable working and social relationships in the class	0.00% 0	25.00% 8	21.88% 7	37.50% 12	15.63% 5	32	3.44
I learned more by this method	6.25% 2	25.00% 8	53.13% 17	15.63% 5	0.00% 0	32	2.78
I think that Pete didn't do his job as an instructor	31.25% 10	46.88% 15	21.88% 7	0.00% 0	0.00% 0	32	1.91

Q3 How did you adjust to the flipped classroom method?

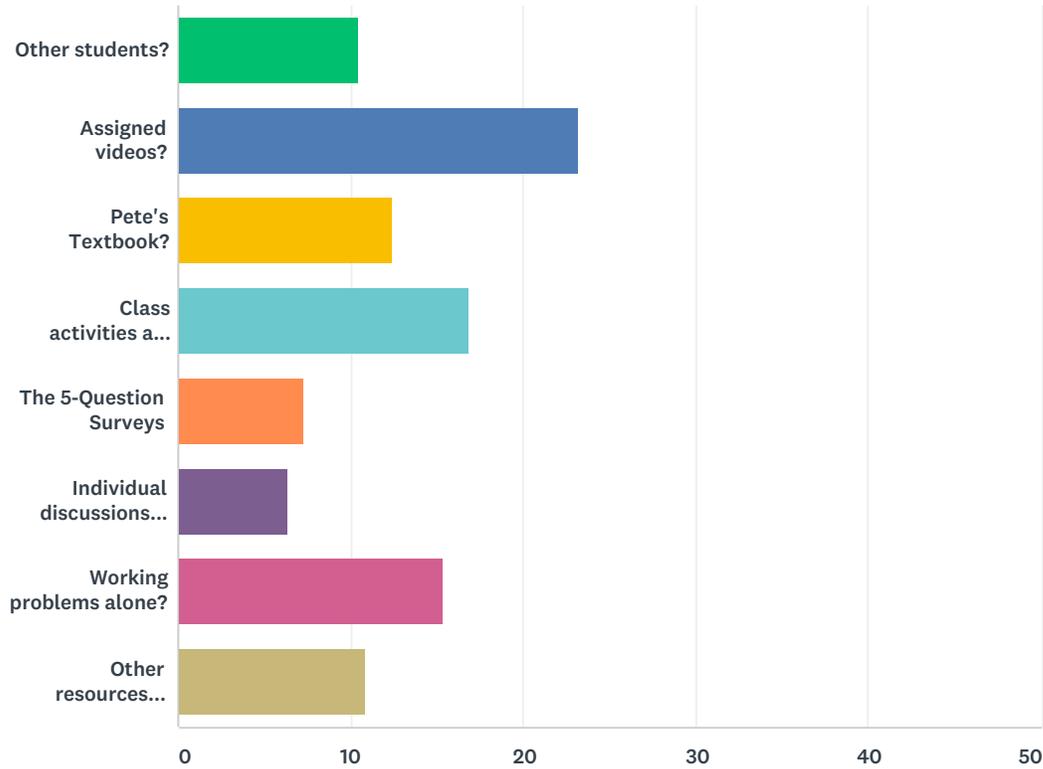
Answered: 32 Skipped: 0



	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE	TOTAL	WEIGHTED AVERAGE
I liked it right away	29.03% 9	38.71% 12	25.81% 8	3.23% 1	3.23% 1	31	2.13
It took some time to adjust to, but I like it	0.00% 0	22.58% 7	32.26% 10	41.94% 13	3.23% 1	31	3.26
I don't like it.	12.50% 4	28.13% 9	21.88% 7	34.38% 11	3.13% 1	32	2.88

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

Answered: 32 Skipped: 0



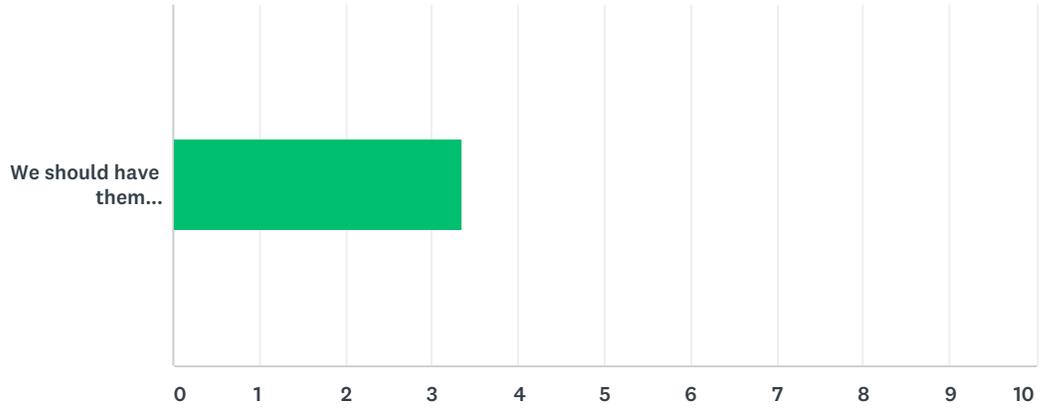
ANSWER CHOICES	AVERAGE NUMBER	TOTAL NUMBER	RESPONSES
Other students?	10	335	32
Assigned videos?	23	742	32
Pete's Textbook?	12	397	32
Class activities and minilectures?	17	540	32
The 5-Question Surveys	7	221	30
Individual discussions with Pete?	6	192	30
Working problems alone?	15	478	31
Other resources (people, printed material, online)?	11	295	27
Total Respondents: 32			

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

Answered: 15 Skipped: 17

Q6 With regard to the 5-question surveys, should we continue them?

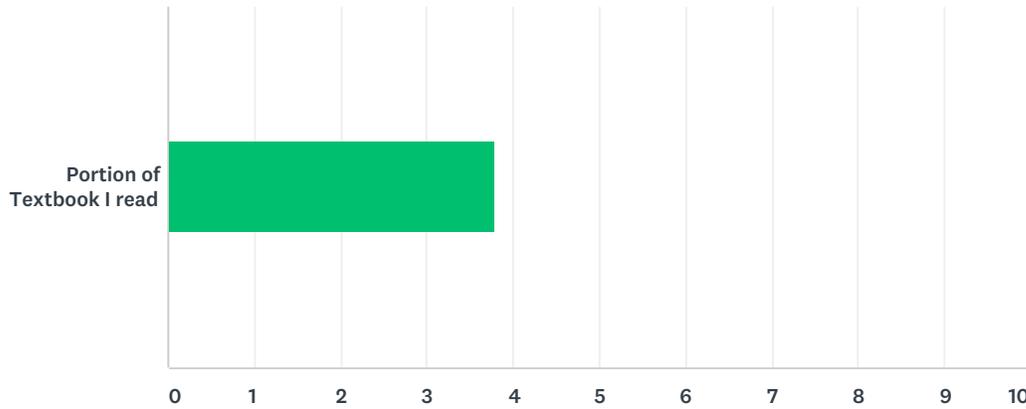
Answered: 32 Skipped: 0



	NEVER AGAIN	LESS OFTEN	THE SAME IS IN THIS CLASS	MORE OFTEN	EVERY CLASS	TOTAL	WEIGHTED AVERAGE
We should have them...	0.00% 0	0.00% 0	71.88% 23	21.88% 7	6.25% 2	32	3.34

Q7 About what portion of the textbook did you read?

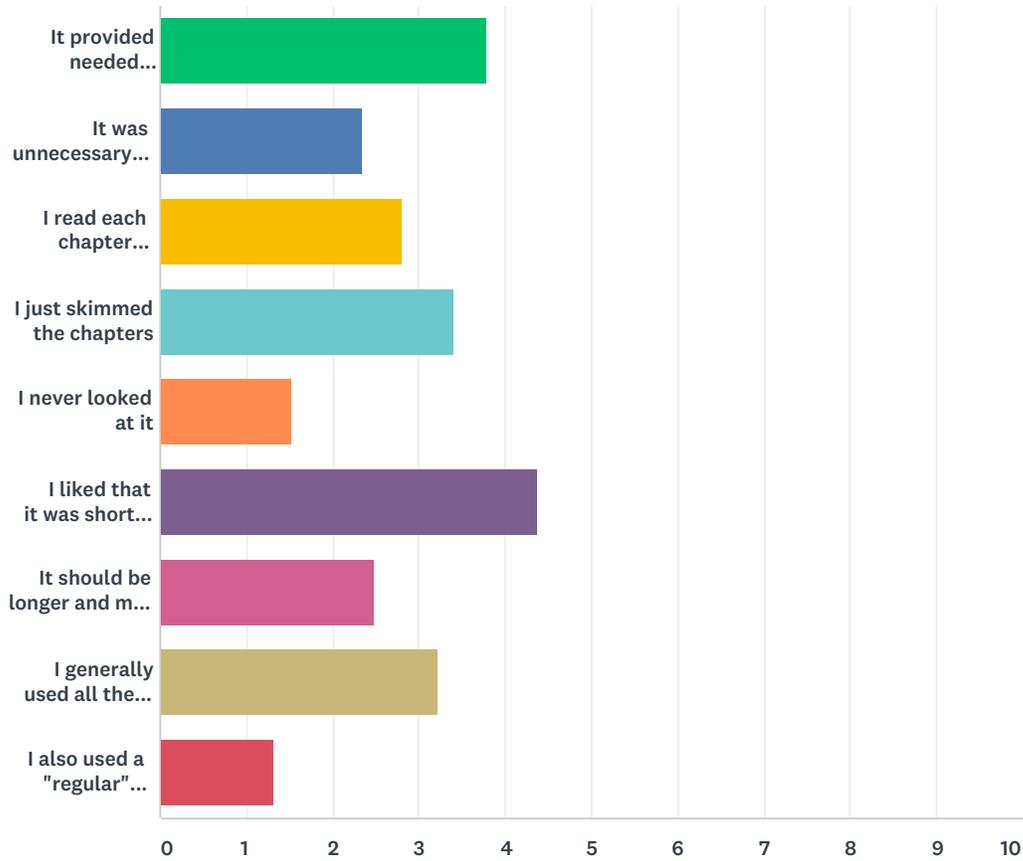
Answered: 32 Skipped: 0



	0%	20%	40%	60%	80%	100%	TOTAL	WEIGHTED AVERAGE
Portion of Textbook I read	6.25%	15.63%	21.88%	21.88%	18.75%	15.63%	32	3.78
	2	5	7	7	6	5		

Q8 Please describe your experience with the textbook Pete provided chapter by chapter on the website.

Answered: 32 Skipped: 0



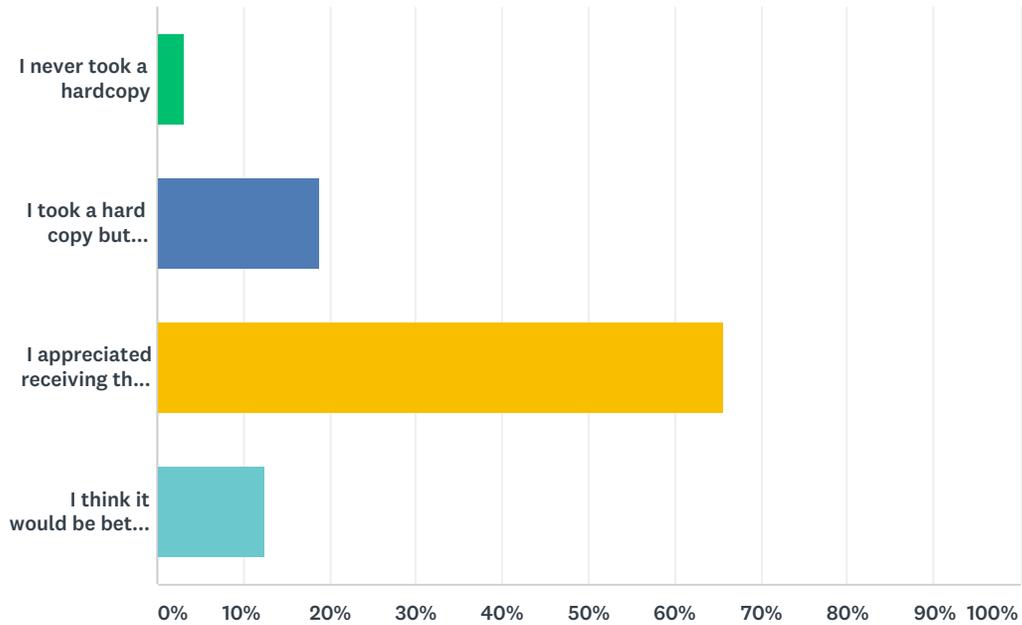
	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE	TOTAL	WEIGHTED AVERAGE
It provided needed background to supplement the videos	0.00% 0	6.25% 2	21.88% 7	59.38% 19	12.50% 4	32	3.78
It was unnecessary because the videos provide everything I need	18.75% 6	37.50% 12	34.38% 11	9.38% 3	0.00% 0	32	2.34
I read each chapter thoroughly	6.25% 2	40.63% 13	28.13% 9	15.63% 5	9.38% 3	32	2.81
I just skimmed the chapters	3.23% 1	16.13% 5	19.35% 6	58.06% 18	3.23% 1	31	3.42
I never looked at it	68.75% 22	18.75% 6	6.25% 2	3.13% 1	3.13% 1	32	1.53
I liked that it was short and simple.	0.00% 0	3.13% 1	9.38% 3	34.38% 11	53.13% 17	32	4.38
It should be longer and more complete	12.90% 4	45.16% 14	22.58% 7	19.35% 6	0.00% 0	31	2.48
I generally used all the examples and would appreciate more	6.25% 2	15.63% 5	37.50% 12	31.25% 10	9.38% 3	32	3.22

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I also used a "regular" physics textbook.	68.75%	31.25%	0.00%	0.00%	0.00%		
	22	10	0	0	0	32	1.31

Q9 Maybe you took a hard copy. Which best describes your thoughts?

Answered: 32 Skipped: 0



ANSWER CHOICES	RESPONSES	
I never took a hardcopy	3.13%	1
I took a hard copy but usually just looked it online anyway	18.75%	6
I appreciated receiving the chapters one at a time because they were thin and I could carry them around with me,	65.63%	21
I think it would be better to receive the entire text on the first day of class.	12.50%	4
TOTAL		32

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

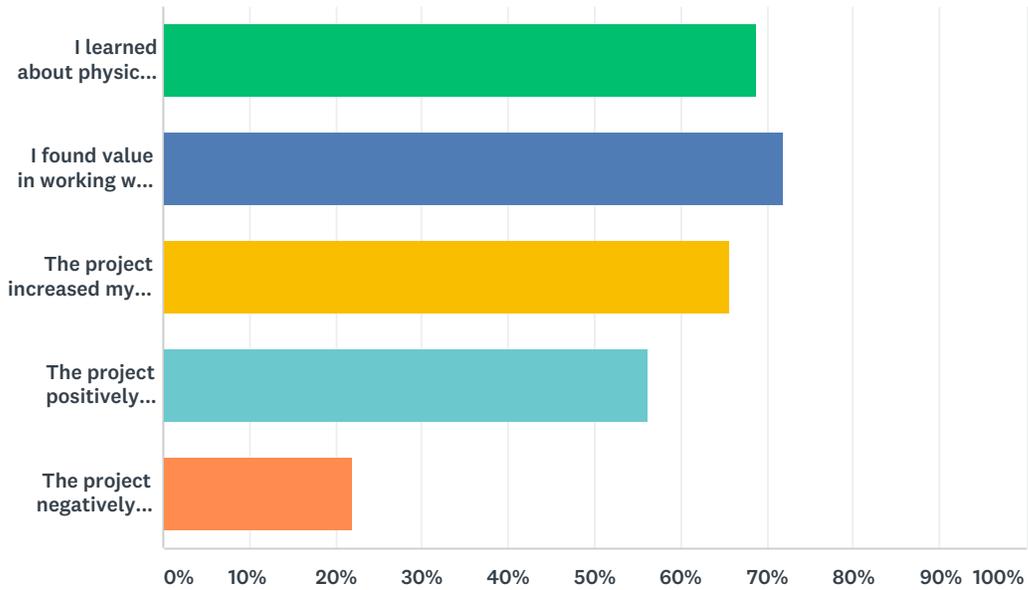
Answered: 21 Skipped: 11

Q11 Few students came to office hours. Please explain why you did/didn't come and what this was like for you.

Answered: 25 Skipped: 7

Q12 With regard to the two projects we did, please check all that apply:

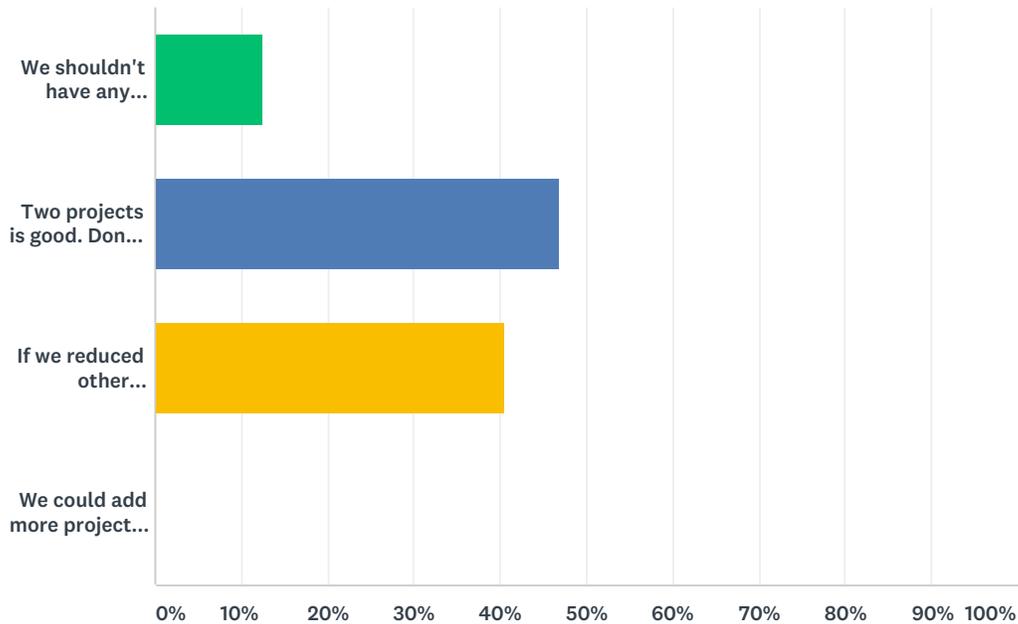
Answered: 32 Skipped: 0



ANSWER CHOICES	RESPONSES	
I learned about physics doing the project.	68.75%	22
I found value in working with the group.	71.88%	23
The project increased my stress.	65.63%	21
The project positively impacted my learning experience.	56.25%	18
The project negatively impacted my learning experience.	21.88%	7
Total Respondents: 32		

Q13 I've thought about making this class more project based. For instance we could have 4 projects: at the end of weeks 2, 4, 6, and 8. Then I would allow more class time for the projects. What do you think?

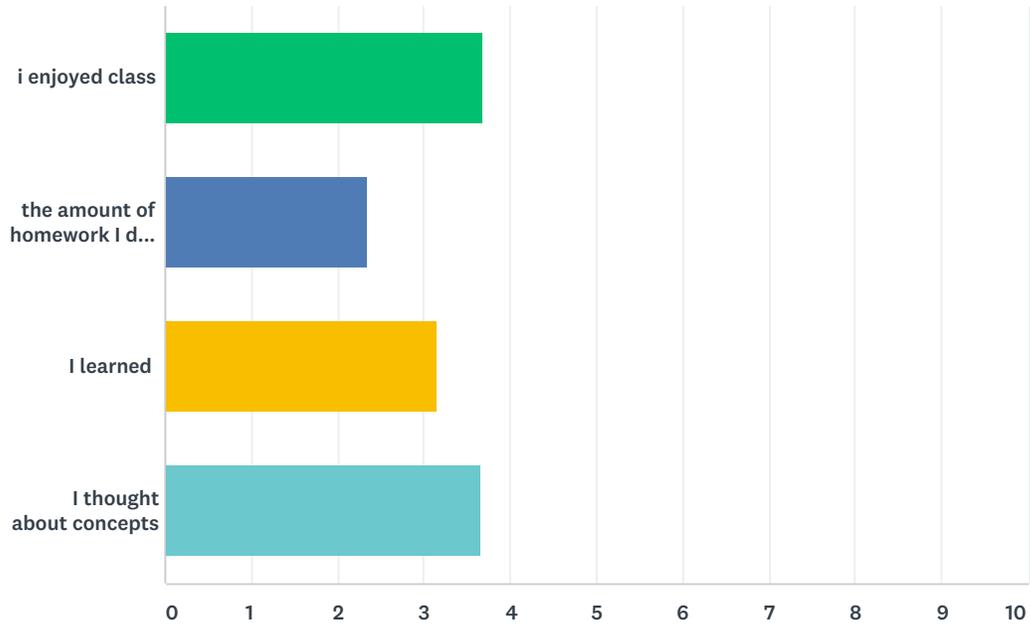
Answered: 32 Skipped: 0



ANSWER CHOICES	RESPONSES	
We shouldn't have any projects. Instead we should spend more time on homework problems.	12.50%	4
Two projects is good. Don't change it.	46.88%	15
If we reduced other requirements to make time for more projects, then it would be worth trying.	40.63%	13
We could add more projects without reducing other requirements.	0.00%	0
TOTAL		32

Q14 Homework and attendance was not calculated into your final grade. Because of this,

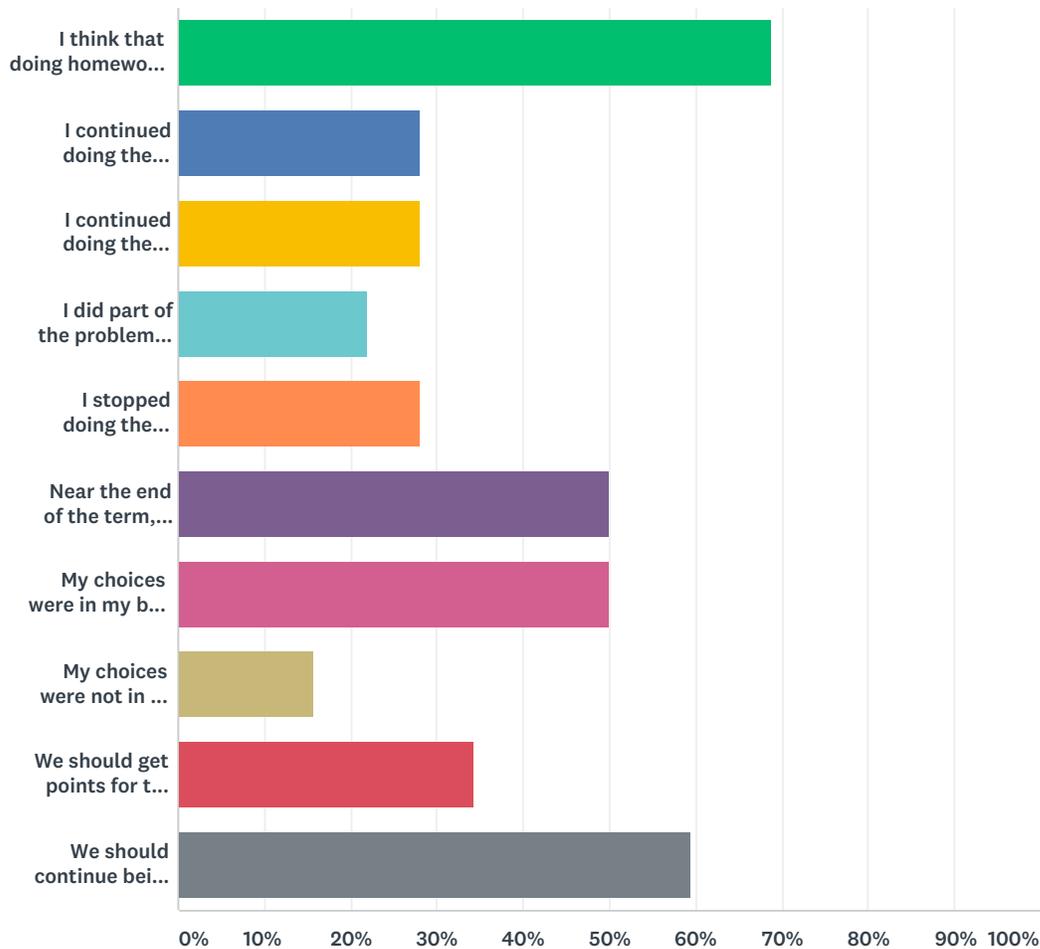
Answered: 32 Skipped: 0



	WAY LESS	LESS	THE SAME	A LITTLE MORE	WAY MORE	TOTAL	WEIGHTED AVERAGE
i enjoyed class	3.13% 1	9.38% 3	25.00% 8	40.63% 13	21.88% 7	32	3.69
the amount of homework I did was	18.75% 6	40.63% 13	31.25% 10	6.25% 2	3.13% 1	32	2.34
I learned	0.00% 0	25.81% 8	38.71% 12	29.03% 9	6.45% 2	31	3.16
I thought about concepts	0.00% 0	21.88% 7	28.13% 9	12.50% 4	37.50% 12	32	3.66

Q15 This group of students handed in very little homework and it decreased considerably during the quarter. Check all that apply.

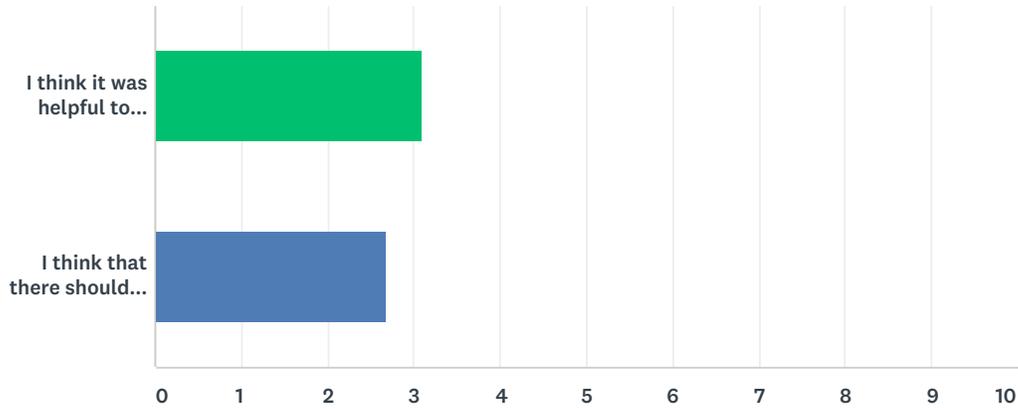
Answered: 32 Skipped: 0



ANSWER CHOICES	RESPONSES	
I think that doing homework is important in order to learn the material and do well on the exams.	68.75%	22
I continued doing the problem sets on time, but didn't hand them in.	28.13%	9
I continued doing the problem sets after the solutions were out and finished them.	28.13%	9
I did part of the problem sets, choosing the problems I thought were important.	21.88%	7
I stopped doing the problem sets altogether.	28.13%	9
Near the end of the term, I got behind in everything and spent less time on physics.	50.00%	16
My choices were in my best interest.	50.00%	16
My choices were not in my best interest.	15.63%	5
We should get points for the problem sets to incentivize doing them.	34.38%	11
We should continue being graded only on Exams and the projects so everyone can find their preferred method of learning.	59.38%	19

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

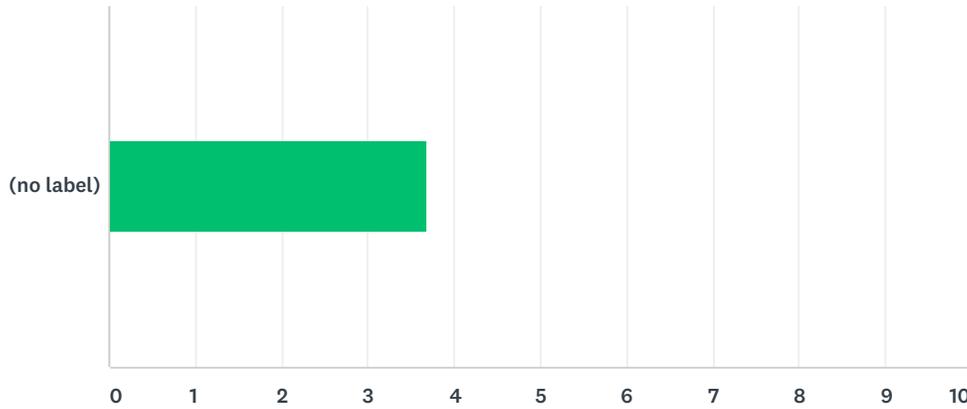
Answered: 32 Skipped: 0



	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE	TOTAL	WEIGHTED AVERAGE
I think it was helpful to switch groups	12.50% 4	12.50% 4	31.25% 10	40.63% 13	3.13% 1	32	3.09
I think that there should be another group switch after the second midterm too.	9.68% 3	38.71% 12	29.03% 9	19.35% 6	3.23% 1	31	2.68

Q17 Compared to how much I thought I was going to enjoy learning physics on the first day of class, I actually enjoyed it...

Answered: 32 Skipped: 0



	WAY LESS	A LITTLE LESS	THE SAME	A LITTLE MORE	WAY MORE	TOTAL	WEIGHTED AVERAGE
(no label)	3.13%	9.38%	28.13%	34.38%	25.00%	32	3.69
	1	3	9	11	8		

Q18 Enter any comments about the class or how to make projects better.

Answered: 19 Skipped: 13