Appendices:

The Achievement Emotions Questionnaire: Validation And Implementation For Undergraduate Physics Practicals

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Appendix A

AEQ-PhysicsPrac: Items and their classification as per the emotions

	9 Positive items			
Item no.	Pride items	Short name	Item name	Change from AEQ
1	During this experiment, I was satisfied with my work.	Satisfied	Pr1	T2
4	I felt elated by my accomplishments during this experiment.	Elated	Pr2	Т3
8	I took pride in being able to keep up with the tasks in this experiment.	Keep up	Pr3	T2
9	I made important contributions during this experiment.	Important contribution	Pr4	Т3
	Enjoyment items			
2	For me this experiment was a challenge that was enjoyable.	Enjoyable challenges	En1	T1
6	I felt this experiment was exciting.	Exciting	En2	T2
11	I was glad that my efforts during this experiment paid off.	Efforts paid off	En3	T2
12	I enjoyed this experiment.	Enjoyed	En4	T1
17	I am happy that I could cope with this experiment.	Cope with	En5	T1
	10 Negative items	-		
	Anger items			
3	I felt annoyed by this experiment.	Annoyed	An1	T2
7	It was irritating that my efforts were not useful during this experiment.	Irritating	An2	T2
15	I resented doing this experiment.	Resented	An3	T4
	Anxiety items			

5	I got scared that I might do something wrong while doing this experiment.	Scared	Anx1	Т3
10	I felt nervous during this experiment.	Nervous Anx2		T1
16	I felt panicky during this experiment.	Panicky	Anx3	T1
	Hopelessness items			
13	During this experiment I felt like giving up.	Give up	Ho1	T1
22	During this experiment, I was so resigned that I felt that I had no energy.	Resigned	Но2	T1
	Boredom items			
18	I found this experiment dull.	Dull	Bo1	T1
19	I was bored during experiment.	Bored	Bo2	T2

Appendix B

The AEQ- PhysicsPrac Survey tool



Student Experience

cannot	our answers on the right-hand side of this form. If you feel you answer a particular question, just leave it and go onto the next on. Use a dark pen or pencil to select your answer to each question. Fill in circles completely like this	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1.	During this experiment, I was satisfied with my work.	0	0	0	0	0
2.	For me this experiment was a challenge that was enjoyable.	0	0	0	0	0
3.	I felt annoyed by this experiment.	0	0	0	0	0
4.	I felt elated by my accomplishments during this experiment.	0	0	0	0	0
5.	I got scared that I might do something wrong while doing this experiment.	0	0	0	0	0
6.	I felt this experiment was exciting.	0	0	0	0	0
7.	It was irritating that my efforts were not useful.	0	0	0	0	0
8.	I took pride in being able to keep up with the tasks in this experiment.	0	0	0	0	0
9.	I made important contributions during this experiment.	0	0	0	0	0
10.	I felt nervous during this experiment.	0	0	0	0	0

11. I was glad that my efforts during the experiment paid off.	0	0	0	0	0
12. I enjoyed this experiment.	0	0	0	0	0
13. During this experiment I felt like giving up.	0	0	0	0	0
14. I can see the relevance of this experiment to my physics studies.	0	0	0	0	0
15. I resented doing this experiment.	0	0	0	0	0
16. I felt panicky during this experiment	0	0	0	0	0
17. I am happy that I could cope with this experiment.	0	0	0	0	0
18. I found this experiment dull.	0	0	0	0	0
19. I was bored during this experiment.	0	0	0	0	0
20. I found this to be an interesting experiment.	0	0	0	0	0
 Completing this experiment has increased my understanding of physics. 	0	0	0	0	0
 During this experiment, I was so resigned that I felt that I had no energy. 	0	0	0	0	0
22. The experiment provided magnife the experturity to take		_	_	_	
23. The experiment provided me with the opportunity to take responsibility for my own learning.	O	0	0	0	O
responsibility for my own learning.				<u> </u>	
responsibility for my own learning. FOR THE FOLLOWING QUESTION, USE THE SCALE INDICATED	A	В	С	D	E
responsibility for my own learning.	A	B	c	D	E
FOR THE FOLLOWING QUESTION, USE THE SCALE INDICATED 24. Overall, as a learning experience, I would rate this experiment as:	riment igh men	0	0	D	E 0
FOR THE FOLLOWING QUESTION, USE THE SCALE INDICATED 24. Overall, as a learning experience, I would rate this experiment as: A = 'excellent' B = 'good' C = 'average D = 'poor' E = 'very poor' On the scale below, please rate the mental effort you invested doing the experiment Extremely low mental effort 1 2 3 4 5 6 7 8 9 Extremely h Rate how confident you are doing the experiment Least confident 1 2 3 4 5 6 7 8 9 Most confident	riment igh men	0	0	D O	E 0
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26. What did you think was the main lesson to be learnt from the experiment?
27. What did you think about the Lab notes of this experiment? Explain how it affected you
27. What did you think about the Lab notes of this experiment? Explain how it affected you.
28. Compare this experiment with other experiments in this course. How does it differ?