

Supplementary Material: More Than Just Learning Discipline Skills: Social Interactions in Science Fieldwork Could Enhance Student Well-being and Cognition

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Appendix

Table 2. Percentage of responses to each option in a 5-point Likert-scale question relating to student perceptions of fieldwork in general.

	Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree	Prefer not to say
I enjoy working in the JMR more than lectures or laboratory exercises.	0.00%	1.16%	10.47%	43.02%	44.19%	1.16%
I think that I learn better in the JMR than in lectures or laboratory exercises.	0.00%	7.06%	29.41%	35.29%	28.24%	0.00%
I like interacting with other students during class.	0.00%	3.49%	8.14%	37.21%	51.16%	0.00%
I feel like I belong in my class.	0.00%	3.49%	17.44%	46.51%	31.40%	1.16%
I have friends in my class.	0.00%	6.98%	9.30%	50.00%	32.56%	1.16%
Working in the JMR gave me more opportunities to make friends.	1.16%	3.49%	16.28%	45.35%	33.72%	0.00%
Working in the JMR made me feel awkward or uncomfortable.	34.88%	46.51%	13.95%	3.49%	1.16%	0.00%
Working in the JMR made it easier to talk with my teachers and demonstrators.	0.00%	2.33%	13.95%	45.35%	38.37%	0.00%
Fieldwork in the JMR makes me feel anxious or nervous.	40.70%	44.19%	10.47%	3.49%	1.16%	0.00%

Table 3. Percentage of responses to the question ‘Do you think that the social dimensions of your work in the JMR had any effect on your well-being?’

	Responses (%)
Yes	57.83 (n=48)
No	20.48 (n=17)
I don't know	21.69 (n=18)

Table 4. Percentage of responses to the question ‘For how long did this effect on your well-being last?’

	Responses (%)
Just for the duration of the class	10.20 (n=7)
For the rest of the day	26.53 (n=13)
For the rest of the week	18.37 (n=9)
For the rest of the semester	40.82 (n=20)
Other	4.08 (n=2)

Table 5. Percentage of responses to each option in a 5-point Likert-scale question relating to student perceptions of the well-being benefits of social interactions during fieldwork.

	Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree	Prefer not to say
I enjoy the opportunity to make new friends.	0.00%	3.61%	8.43%	42.17%	45.78%	0.00%
In general, working with others in the JMR was enjoyable.	0.00%	0.00%	4.82%	54.22%	40.96%	0.00%
Spending time with others outdoors is good for my physical health.	0.00%	0.00%	2.41%	26.51%	68.67%	2.41%
It is important to me that I feel like a part of the group.	2.41%	2.41%	7.23%	45.78%	42.17%	0.00%
Having to work in a group made me stressed or frustrated.	20.48%	42.17%	26.51%	10.84%	0.00%	0.00%
I feel that the staff were supportive and helpful in the JMR.	0.00%	3.61%	3.61%	49.40%	43.37%	0.00%
I was motivated to attend class in the JMR because I had friends in my class.	2.41%	7.23%	20.48%	38.55%	31.33%	0.00%
My interactions with other students in the JMR improved my mood.	0.00%	2.41%	8.43%	49.40%	39.76%	0.00%
I would have been happier working alone in the JMR.	26.51%	39.76%	25.30%	3.61%	3.61%	1.20%

Table 6. Percentage of responses to the question ‘Do you think that socialising during your fieldwork in the JMR had an effect on your cognition?’

	Responses (%)
Yes	69.41 (n=60)
No	14.12 (n=12)
I don't know	16.47 (n=14)

Table 7. Percentage of responses to the question ‘How long did this effect on your cognition last?’

	Responses (%)
Just for the duration of the class	10.00 (n=6)
The rest of the day	16.67 (n=10)
The rest of the week	6.67 (n=4)
The rest of the semester	56.67 (n=34)
Other	10.00 (n=6)

Table 8. Percentage of responses to each option in a 5-point Likert-scale question relating to student perceptions of the cognitive benefits of social interactions during fieldwork.

	Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree	Prefer not to say
Having friends in my class makes me more motivated to learn.	0.00%	3.53%	11.76%	35.29%	48.24%	1.18%
Working in a group in the JMR made it more difficult to focus on the task.	24.71%	58.82%	10.59%	5.88%	0.00%	0.00%
Talking to my teachers/demonstrators in the JMR helped me to understand the task.	0.00%	1.18%	3.53%	41.18%	52.94%	1.18%
I learn better if I am enjoying myself.	0.00%	0.00%	5.88%	15.29%	76.47%	2.35%
Talking to other students helped me to remember the lesson.	0.00%	1.18%	8.24%	43.53%	45.88%	1.18%
I would have learned better by working alone.	17.65%	42.35%	32.94%	7.06%	0.00%	0.00%
My peers helped me to understand the purpose of our tasks.	0.00%	5.88%	11.76%	49.41%	32.94%	0.00%
Interacting with staff in the field makes me feel more confident.	0.00%	0.00%	10.59%	43.53%	45.88%	0.00%