

Appendix S5

This appendix shows the analysis grid used for the post-test questionnaire on experience and methodology.

CONTROL GROUP	
P1	Did you find the class interesting?
Categories	Yes No
P2	What do you value most in a lecture?
Categories	Teacher's enthusiasm and ability to motivate Taking notes Teacher-student interaction (discussion, feedback, participation, questions, etc.) Quality of the teacher's explanation Use of supporting materials and resources
P3	What kind of activities would you propose to make it more motivating?
	I found it interesting and would not change anything, or the proposed changes are within the lecture-based teaching. I found it interesting, but I would include additional motivational activities. The student did not specify whether he/she found it interesting but suggested motivational activity.
EXPERIMENTAL GROUP	
P1_1	Did you like this way of teaching the subject?
Categories	Yes No
P1_2	Do you prefer it to the usual methodology?
Categories	Yes No
P1_3	Why?
Categories	Alternating explanation and review Engaging and enjoyable Better information retention/ facilitates learning Group work Dynamic/interactive Improves concentration and attention Unsure about effectiveness if used exclusively for the entire syllabus
P2	Are there any aspects that you didn't like or didn't find adequate?
Categories	Nothing, everything was adequate Lack of time Combine with traditional lectures Smaller groups Disliked specific challenges No answer
P3_1	Do you think you have increased your knowledge of the subject?
Categories	Yes No
P3_2	In what way?
Categories	Better understanding of the spatial location of geological time (Eras and Periods) / setting and visual materials Dynamic activities and attention-grabbing No specific details provided