

TABLE 1**Demographics data of students across the semesters under study.**

	Spring 2017	Fall 2017	Spring 2018	Fall 2018	Spring 2019
White	46.9	62.5	53.1	56.3	53.1
Black	25.0	18.8	21.9	21.9	15.6
Native American	21.9	15.6	21.9	15.6	18.8
Latinx	6.3	3.1	3.1	0.0	9.4

TABLE 2**Pretest percentage scores by structure question and semester.**

Question number	Structure	Spring 2017	Fall 2017	Spring 2018	Fall 2018	Spring 2019
1	Synform	47	50	49	50	48
2	Antiform	45	44	42	45	43
3	Planar beds	51	47	46	50	49
4	Right-lateral fault	30	38	33	36	37
5	Left-lateral fault	26	29	27	26	31
6	Plunging antiform	24	25	27	27	28

TABLE 3**Percentages of students in each semester who correctly answered geologic structure questions.**

Question number	Geologic structure tested*	Without wooden blocks			With wooden blocks	
		Spring 2017	Fall 2017	Spring 2018	Fall 2018	Spring 2019
1	Synform	72	72	73	92	92
2	Antiform	71	70	70	89	93
3	Planar beds	73	72	74	93	95
4	Right-lateral fault	68	67	68	89	88
5	Left-lateral fault	66	68	70	87	88
6	Plunging antiform	65	66	67	87	87

Note. *Geologic structures tested in image format (i.e., questions were in the form of images of geologic structures that students had to correctly identify).