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Using Simple Experiments incorporated with a Laboratory Group Investigation Model to Develop Conceptual Understanding of Static Electricity

Thursday 21 May 2015 08:00 (3 hours)

The purpose of this research was to study the development of students'conceptions of static electricity using a laboratory group investigation model. The participants were 34 grade 10 students from Srikoonwittayabunlang School, Amnatcharoen in the second semester of the 2014 academic year. A one group pre-test/post-test design was employed in the study, and the research tools consisted of lesson plans based on the group investigation technique and a static electricity conceptual test. Data were analyzed by the use of average percentages, standard deviations, t-test, and normalized gain. Results showed that there was an improvement in the mean post-test score compared to the mean pre-test score at a statistically significant level of .05.The average class normalized gain was at the medium gain level.

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