

## THE EFFECT OF SMART-BOARD APPLICATIONS IN CHEMISTRY LESSONS ON THE MOTIVATION AND ATTITUDES OF STUDENTS

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### Abstract

In this study, we examined the effect of Smart Board applications on the motivation and attitudes of students. This study was carried out with a total of 192 tenth-grade students who have taken chemistry lessons during the 2014-2015 school year. As a method, a pretest-posttest quasi-experimental design with a control group was used. As a data collection tool, "Chemistry Motivation Scale-II (CMS)" (Tosun, 2013) and "Attitude of High School Students Towards Chemistry Lessons Scale (ATCLS)" (Kan and Akbař, 2005) were used. An independent t-test carried out between the groups to analyze the data and a dependent t-test carried out among the groups to examine the difference between pre-tests and post-tests were used, and the results were evaluated using SPSS data analysis. According to the results of the analysis, Smart Boards applications were observed to cause a statistically significant increase in the motivation and attitudes of students towards chemistry lesson.

**Keywords:** Motivation, Smart Board, Attitude.