

Assessing Vietnamese High School Students' Attitudes toward Chemistry

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ABSTRACT Attitude towards chemistry not only enhances students' chemical perception but is also extremely important because it manifests the interests and emotions towards studying chemistry by students. The main objective of this study is to examine high school students' attitudes toward learning chemistry. The group of 870 high school students (382 males and 488 females) from nine high schools in Vietnam participated in the survey. They completed a 29-item questionnaire about their attitude towards chemistry, chemistry teachers and non-formal chemistry education. The results of this study indicated that there were significant differences in gender and grade level on students' attitude towards learning chemistry. Twelfth grade had a more positive attitude towards chemistry teachers than eleventh grade and tenth grade. There was not a significant multivariate effect for interaction between gender and grade level. All results obtained from this research are necessary for educating and enhancing student's attitude towards science, especially chemistry.