

## INVESTIGATION OF THE EFFECTIVENESS OF SYSTEMATIC EDUCATION/LEARNING APPLIED IN LIFE SCIENCES COURSE

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### Abstract

The purpose of this study is to evaluate the effectiveness of systematic educational method applied in life sciences course in "my body" and "maintaining my health" subjects in the second grade class of an elementary school. The study was conducted in the 2013-2014 academic year in two classes, consisting the experimental and control groups, in an elementary school located in Ulukışla district of Niğde province, Turkey. Quantitative data were collected through an achievement test in the study. In order to prepare the achievement test, the gains (objectives) were identified, inserted into table of test specifications, and expert opinion was obtained on their appropriateness. Expert opinion was also obtained about the content validity of the prepared measurement tool. The overall reliability coefficient of the measurement tool was found to be 0.88. A pre-test was performed before starting the systematic education program, a post-test was performed after the teaching and learning processes of the program, and persistence test were performed after one month following the completion of the program in order to draw a conclusion by looking at the differences between the measurements. Students in the experimental group were interviewed to obtain qualitative data. According to the findings of the study, it can be said that the systematic education method implemented in life sciences class in the second grade of the elementary school improved the academic achievements of students and ensured the persistence of learning.

**Key Words:** Systematic Learning, curriculum, program evaluation.