

Thesis Title A Construction and Try out of the Mini-course on "Air and Noise Pollution" for the Lower Secondary School Students

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ABSTRACT

The main purpose of this research was to construct and try-out the minicourse entitled "Air and Noise Pollution" for the lower secondary school students.

The research design used in this study was the pretest-post-test control group. The samples were 70 students selected on purpose from the Lower Secondary School (Matayom-saksa I) of Pibulprachasan School in Bangkok. The students were randomly selected and divided into two groups: an experimental group and a control one. The experimental group was taught through the minicourses, while the other was not. The achievement test and the attitude test were administered in both groups before and after the treatment. The analytical statistics employed was t-test.

Analysis of data showed that:

1. In pretesting of the students of both groups, the achievement test scores and the attitude test scores were not significantly different at the 0.05 level.

2. The achievement and attitude scores of the experimental group from the post-test were significantly higher than those of the pre-test at the 0.05 level.

3. The achievement and attitude scores from the post-test of the experimental group were significantly higher than those of the control group at the 0.05 level.

Based on the above analysis, this study confirms that the constructed mini-course can effectively help students learn about air and noise pollution.