

The Effect of Project Method on Students' Academic Achievement in Biology at the High School Level

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Abstract

The purposes of this study are to study the effect of project method in Grade-Nine Biology teaching, to compare Biology achievement between students who received treatment with project method and those who did not, and to give suggestions for the improvement of biology teaching-learning situation through project method. The design used in this study was pretest-posttest control group design. The participants in this study were (120) Grade Ten students from BEHS (4) Insein and BEHS (4) Dagon Myothit (North). The instruments used in this study were pretest questions, from Chapter (1) to Chapter (5), *Spirogyra* and posttest questions, on Chapter (5), from Earthworms to Insects. Independent samples *t*-test was used to find whether there is a significant difference between the experimental group who were instructed by project method and the control group who were not instructed by project method. According to the results, students who were instructed by project method achieved higher than those who were not instructed by project method at knowledge, comprehension, application and above levels. Therefore, the research findings showed that project method can contribute students' learning process and teachers' teaching process.

Key words: Biology, Science, Project Work, Project Method, Academic Achievement

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