Microbiological Project Using the Disc Diffusion Method for Lower Secondary School

ABSTRACT

This thesis deals with project-based education and his involvement in the functional structure of the Czech educational theory and practice. It refers to the project as an innovative teaching process, which is qualitatively able to shield asked RVP requirements and the implementation of which contributes to the development of educational goals and core competencies. This thesis contains both theoretical aspects are developed through the study of literature and other sources in order to summarize the current state of knowledge of the subject, so practical. Theoretical bases emphasize not only on the characteristics of project-based education as such, but also on the appropriate application of educational strategies in the learning process. Specifically mentioned are possibilities of project-based teaching in the teaching of natural history, biology and ecology. The theoretical background followed by the practical part, which shifts the theory of project learning into practice. There is particular designed a project called "Strength of antibiotics", which is then implemented and reflected. Is described in detail during the planning, implementation and evaluation of the project.

KEYWORDS: project-based education, school project, disc diffusion method, antibiotic discs