

ABSTRACT

The diploma thesis deals with the use of the localities Houšťka Forest Park and Hluchov Floodplain Forest in the teaching of natural history at the 2nd level of primary schools, biology at the lower levels of grammar schools and at vocational secondary schools. Part of the theoretical part is a description of natural conditions and history of the site, the division into habitats and their characteristics. Furthermore, an inventory and description of plant species, including a list of zoological taxa, was performed for the needs of teachers.

The questionnaire survey among teachers was focused on the use of localities during regular lessons, or compulsory optional subjects focused on natural history. The time required for the worksheets was based on the results of this survey.

The didactic part includes the issue of interdisciplinary relationships, enumeration and description of forms and methods used in the teaching of science and biology. The main part of this part of the thesis are worksheets, which are in addition to consolidating knowledge of natural sciences and biology focused on the application of knowledge from other subjects such as mathematics, physics. After completing the worksheet, the individual exercises were corrected. In the qualitative research, on the basis of a questionnaire survey, the pupils' interest in natural history (biological) exercises was ascertained and the difficulty of individual tasks from the pupils' point of view was ascertained. Furthermore, in this part, the Medicinal Plants project is presented, which interconnects several subjects and serves as inspiration for teachers to apply interdisciplinary relationships to a greater extent than the proposed worksheets. The conclusion of the work is devoted to a summary, evaluation of results and discussion. The knowledge gained shows that students have difficulty applying knowledge and skills acquired in other subjects in the performance of tasks in the subject, in this case in science.