

## Abstract

This thesis didactically processes three proposals of fieldwork for intermediate school pupils and students of lower grades of grammar schools. Two of the described sites for field education are located directly in the capital city of Prague (Prokopské valley, Meanders of Botič) and the third locality lies 30 km south of Prague (Medník). All field exercises are focused on soil, soil biology and ecology of selected localities. During the fieldwork, students apply active learning and record their results in worksheets.

The first half of the thesis is a literary review describing the characteristics of the selected sites, the soil and soil organisms and selected methods of study of soil ecosystems. The last part of the literary review deals with general characteristics of field training as an organizational teaching form, its aims, methods and organization. The actual output of the whole work is the proposal of three fieldworks and methodological materials for teachers. Individual tasks in the worksheets are analysed from the didactical point of view. Two of the fieldworks were tested in school practice by the author of the thesis.

The course of the two fieldworks commented and the results of the students' works are evaluated. The annex of the theses contains worksheets for students, their correct solutions and questionnaire for students and teachers.