

The subject of the diploma thesis is to familiarize with the ecosystems of the Czech Republic and issues concerning the inclusion of ecology and environmental science in the Framework Educational Programme for Primary Education (RVP ZV), natural history textbooks and in school classes in the 2nd stage of primary schools and lower years of multi-year grammar schools.

The theoretical part contains an analysis about the inclusion of ecology and environmental science topics in the RVP ZV and natural history textbooks. At the same time, it details the differences of subject matter systematically arranged and subject matter conceived by ecosystems, and includes an overview of the flora and fauna in selected model ecosystems of a forest, field, meadow, pond, and housing estate.

The real situation concerning the method of arrangement of the subject matter in natural history lessons and the overall interest of teachers and pupils in the given topics were investigated by means of questionnaires in a questionnaire survey. The results of the survey from classical schools and schools titled Eco-School (Ekoskola) were compared in the final results of the questionnaire survey.

The practical part deals with suggestions concerning ecosystems that are to help teachers to enrich their natural history lessons and to give the pupils an idea of the life of plants and animals in the ecosystems of the Czech Republic. The suggestions are developed in the form of worksheets. The practical part of the diploma thesis was verified in years 7 and 8 of primary schools.