

Abstract: This thesis deals with creation of educational materials for a cycling tour around Chomutov, focusing on comparison of selected ecosystems for basic education. Ecosystems I have chosen are meadows and pastures, forest and water surface. Chomutov area offers direct observation of these ecosystems and a vast number of cycle paths that can provide non-traditional form of teaching with the help of bicycles. These created materials include proposals/drafts of motivational lessons, materials for teaching in the field and the draft of the final class. Individual worksheets has also been processed (according to the chosen ecosystems - meadows and pastures, forest and water surface) for teaching in the field. In addition, the files of auxiliary outdoor activities have been created. These include first aid training, games package and competitions adjusted to the local environment as well as other attractions that can fill up the time spent outdoors. The work also includes the complete handbook for teachers that in detail summarizes all the information for planning, the progress and the summary of the cycling tour. This excursion/tour and its content complies with the current Framework Educational Programme for Primary Education in the Czech Republic.

Keywords: teaching in the field, ecosystems, bicycle during teaching classes, nature in Chomutov region