

## Synopsis

The thesis is concerned to cube solids and their use in primary school geometry. The main direction of the thesis is the development of children's spatial visualisation. The first part contains the explanation of key words in connected to spatial vizualization. I describe the environment of cube solids and work with them in various tasks. The second part includes records and analyses of my experiments, which were realized at two fourth grade classes within several months. First experiments were realized within regular lessons, later experiments in individual meetings. Analysing the experiments I identified and described several cognitive phenomena which I tried to explain in the conclusion.