

ABSTRACT

This diploma thesis "Development of thinking and communication when working with paper in pupils of younger school age" deals with manipulative activities with paper. The activities are inspired by and based on the tasks of the Origami environment, or Folding from paper, which is developed in mathematics textbooks from the publishing house H-mat, o.p.s.. Specifically from the paper folding environment. The aim is to monitor the level of use of mathematical and natural, descriptive language.

In the theoretical part of the diploma thesis, I characterize preschool and younger school age and its stages, motor and cognitive abilities and skills specific to these periods of life. I define Hejného's method and the environment from which I started when planning the content of the research. I drew information mainly from professional literature by professor Milan Hejný and other experts in this field, as well as from teaching and didactic materials from the workgroup H-mat o. p. s.

The empirical part monitors, through manipulative activities with paper and accompanying communication, the level of motor and cognitive skills of students and their development around the beginning of school attendance. The research was conducted with 1st grade pupils of the contribution organization Elementary School Milín and preschool groups of children from Foxík's Kindergarten Břevnov. The output is a record and comparison of the language used between pupils of younger school age and children of preschool age.