

This thesis deals with shape transformations as a kind of mathematical transformation, their use in daily life and especially the possibility of their utilisation in working with preschool age children.

The aim is to map the abilities of differentiation, creation and evaluation of shape transformations by preschool age children and to determine their type and scope. The thesis presents a set of games and activities based on shape transformation suitable for preschool age children which further develop the ability of their creation and differentiation.