The diploma thesis Project teaching in Geometry in the primary school concerns with the theory of the project teaching and its further realization in practise. He points out today how teachers use teaching project and whether it properly understand The theoretical part characterizes the historical development of the project teaching, defines the terms connected with this teaching. The theoretical part is based on studied literature and is complemented by practical experience. In the practical part are three projects focused on geometry. Projects were realized with the students of the fifth class in the primary school in Nymburk. In the diploma thesis are also records their implementation, the final self-reflection and evaluation of project benefits for students.