The presented diploma work deals with microbiological project aimed at the adherence to hygienic habits. The principal aim of this project is to draw attention of primary and secondary school students to the necessity of careful and proper hand washing. Professional aspects of this work serve as a theoretical basis for individual versions of the project. The practical part of the work deals on the one hand with the project itself and its versions for different types of shools and on the other hand with responses to questionaires which results indicated the suitability of this project to be included in teaching.