

The focus of this thesis was to find and evaluate the information resources available to teachers, in the context of creating or conducting demonstrational and student experiments in the Physics of the Microworld at high school. Another goal of the thesis was the creation of four sets of aids for experiments from various areas of microworld physics taught at the high school level. These sets contain instructions for teachers and worksheets for pupils. Another goal was to make the sets portable, which all four met. Part of this work is a description of the created experimental sets, worksheets for pupils and texts for teachers. The experimental sets will be stored on the premises of the Department of Physics Education and will be available for loan to teachers for teaching purposes.