The thesis presents a successful project of vision screening in preschool children carried out mostly in kindergartens in Pardubice. The quantitative, non-experimental research of vision defects frequency in preschool children in Pardubice was realized by means of deductive method and brought surprising, as well as alarming results. It proves, that 7.8% of preschool children had hidden vision defects, as until the time of vision screening these defects had not been discovered by pediatric practitioners at regular preventive examinations and also remained unnoticed by parents. The minimum of 10% rate of vision defects in preschool children then indicates the necessity to introduce vision reeducation in common kindergarten classes in Pardubice. As special pedagogical support, the thesis provides comprehensive methodology of vision reeducation. The method tank of 50 games and playful activities with thoroughly worked up methodology will help the teachers in common kindergarten classes to work with visually handicapped children.