

*Kinga Kolczyńska-Przybycień*

*dissertation topic: Heuristic methods of teaching mathematics: experimental verification of the author's program for developing mathematical abilities and skills of students aged 13-15.*

*The subject of this work are the abilities and talents of students aged 13-15, and also their skills in teaching this subject. The dissertation presents the results of own research on the impact of heuristic methods of teaching mathematics based on the author's program on the level of mathematical abilities and skills of students in the seventh grade of primary school. The structure of the dissertation includes theoretical chapters, a methodological chapter prepared on own research, chapters covering the analysis of the results of conducted research, separately for research carried out using the experimental method and the observation method, and a chapter summarizing the final conclusions.*