

Title: Scientific Literacy of 15-years old pupils in the Czech Republic in the International Survey PISA

Author: Pavel Petrášek

Department: Department of Physics Education

Supervisor: PhDr. Martin Chvál, Ph.D., Department of Physics Education

Abstract: My thesis focuses on the results of 15-year old pupils in selected tasks of the international survey PISA. It contains a brief introduction to the methodology of a survey and its realization in our conditions. The thesis presents relations between pupils' success and other variables found out in additional questionnaires, such as sex, parents' education, relation to mathematics or pupils' social and economical backgrounds. Besides the thesis contains the comparison of the importance of individual variables and results from the years 2000 and 2003. The thesis can be used as a theme for further research of mentioned relations and their comparison in a longer time horizon with other results. Electronic form of my thesis is on enclosed CD.

Keywords: tests, international survey, scientific literacy