

Abstract

This thesis concentrates on verification of efficiency of the program NBack Campaign, destined for working memory training, and continues the evaluation of the author of the program Anna Páchová. Our research has continued in the tradition of the evaluation of programs destined for training of cognitive functions.

We have decided to use design pretest, training part and retest in our research. Based on the analyse of literature we concluded, that the research of working memory of children at the age between 10 and 18 years is peripheral issue and appears just in studies of the development of working memory. For this reason we decided to include 26 children from eight-year grammar school. We wanted to check, how they would respond on the programm and how the training would affect them. Our research was realized during three months and the research sample was reduced during that time.

Following analysis of collected data has confirmed the statistically important shift in tasks children have trained in. Transfer into other tasks has not been shown. That is why we have decided to devote our time to individual pupils and their special characteristics.

Keywords:

Cognitive training, working memory, Nback Campaign, n-back task, spatial matrix, transfer