

## **Abstract**

### **The Relationship Between Psychomotor Abilities and School Achievement of Students with Different Didactic Profiles**

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The main purpose of the study was to evaluate the relationship between selected psychomotor abilities and school achievement of students with different didactic profiles. In addition, the nature of the relationship between the level of psychomotor abilities and school achievement of students in different didactic subjects will be determined.

The study included 356 students with different didactic profiles, including 152 boys and 204 girls. The students were between the ages of 14 and 18. The SIRT test, which assesses simple reaction speed, the CHORT test, which assesses reaction speed with choice and the SPANT test, which assesses eye-motor coordination using spatial information, were used to assess psychomotor abilities. School grades were obtained from class journals in each subject. In addition, grades from end-of-primary school exams were analyzed.

Significant differences were observed between selected psychomotor abilities and gender and age. Characteristics of psychomotor abilities in each didactic profile showed significant differences for motor time in the SIRT test and for each variable in the CHORT test. Statistically significant differences were also shown between selected psychomotor abilities and school subjects. In addition, significant differences were shown in terms of primary school leaving exams for a foreign language and mathematics. In conclusion, the level of psychomotor abilities can be determined by gender and age. In addition, psychomotor abilities can to some extent condition students' school achievement.