

## An Investigation of the Science Process Skills of 48-66 Months Old Children

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**Abstract :** In this study, science process skills of children with ages varying between 48-months and 66-months are analyzed. Science process skills of children are investigated in terms of factors including gender of children, attendance of children to the previous educational institution and duration of their attendance, educational background of their parents, ages of children and teachers, professional experience of teachers, educational background, and department of graduation of teachers, type of pre-school education institution of teachers and children. Sample of research consists of 250 children aged between 48-months and 66-months who attend state and private kindergartens under the Ministry of National Education, nursery classes of elementary schools and kindergartens of establishments in central districts of Ankara and 50 teachers who serve in these children's classes. Science Observation Form, reached from the website of Alaska Department of Education & Early, are analyzed in terms of language, content, construct validity, and reliability by the researchers. Additionally, Personal Information Form is also developed by the researchers. Data obtained in the study are analyzed with SPSS 16.0 package program to obtain percentage and frequency, Kruskal Wallis H-test, and Mann-Whitney U test, which are one of the non-parametric tests, are used. Within the context of this study it has been seen that independent variables of age, type of school attending and status of attendance to pre-school education, educational background of children's father are meaningful expositive in gaining science process skills for children. It has been seen that period of service of teachers, duration of attendance to pre-school education for children, gender of children and educational background of children's mother are not meaningful expositive in gaining science process skills for children.

**Keywords :** preschool, science process skills, early childhood education, science

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