

Tenth Graders' Proficiency in Conducting Investigatory Projects and their Academic Performance in Science

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Abstract

This research focuses on the skills of tenth graders in investigatory projects and their performance in Science. The study investigates the levels of professional and technical skills among 54 students at the Patronage of Mary Development School in Boljoon, Cebu in conducting Science Investigatory Projects (SIP) as well as their academic performance in the subject. The findings reveal that the majority of the tenth graders possess good levels of professional and technical skills in the investigatory project. Additionally, most of them exhibit outstanding academic performance in Science. Furthermore, the study identifies that the age profile of the students is significantly related to their technical skills in conducting science investigatory projects. On the other hand, the sex profile is found to be significantly related to both the technical and professional skills of the students in this domain. Moreover, the research highlights that the level of technical skills possessed by the students serves as a significant predictor of their professional skills in SIPs. Overall, this study emphasizes the importance of considering age and sex profiles when evaluating the competencies of tenth graders in investigatory projects in science. Additionally, it reiterates the significance of technical skills as a predictor of professional skills in this domain.

Keywords: Education, Investigatory Project, Academic Performance in Science, Descriptive, Philippines