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Status of Science Process Skills of Grade 9 Learners: Basis for Proposed Intervention Program

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Abstract

The dynamic role of education in the development of the nation has recentered a lot of implications throughout centuries. As such, it manifests the importance of Science in addressing not only educational concerns but its intricate implications in many fields of society. It is one of the most important subjects in school due to its relevance to students' lives and the universally applicable problem-solving and critical thinking skills it uses and develops. This study was conducted to ascertain and assess the development of processes skills in Science using the academic performance of Grade 9 learners with particular consideration on the New Normal mode and platforms of teaching. The descriptive method of research was employed in the study with the questionnaire coupled with unstructured interviews and focal group discussions as the main data-gathering instrument. There were 312 Grade 9 students at Governor Feliciano Leviste Memorial National High School used as respondents for this study using Raosoft to obtain the sample size. The statistical tools used were ranking, percentage, weighted mean, and Pearson's coefficient of correlation. The results revealed that the utilization of observing, classifying, communicating, measuring, inferring, and predicting as science process skills were attained to a satisfactory level. Also, the assessment of the respondents showed that the utilization of science process skills in science had a significant relationship with the academic performance of learners as supported by Pearson's r value of 0.427 at a p-value of .001, hence, there was a rejection of the hypothesis on the areas of the relationship. An intervention program was hereby proposed to resolve the difficulties encountered in dealing with the utilization of science process skills which aimed to improve the academic performance of learners in learning Science.

Keywords: Science; Science Process Skills, Descriptive method, Philippines