UTILIZATION OF LOCALIZED SCIENCE INTERVENTION MATERIAL TO IMPROVE THE ACADEMIC PERFORMANCE AMONG GRADE 8 LEARNERS IN PEDRO S. TOLENTINO MEMORIAL INTEGRATED SCHOOL

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Abstract

This action research study was conducted to enhance the science performance of Grade 8 students at Pedro S. Tolentino National High School through the use of a localized science intervention material. The study specifically targeted students who obtained low scores in the pretest and focused on examining their performance before and after the implementation of the intervention. The researcher will employ a quantitative research method to achieve the study's objectives. To determine the effectiveness of the localized science intervention material for Grade 8 learners, a t-test for correlated samples will be used to assess whether there is a significant difference between the learners' pretest and post-test scores. Learning is considered to have occurred if there is a noticeable improvement in the scores of students who used the intervention material. The learners obtained a mean percentage score on the pretest that corresponds to a descriptive equivalent of "low," and a mean score on the post-test with a descriptive equivalent of "average." The computed t-value and p-value indicate that the difference between the pretest and post-test scores is statistically significant. This suggests that the administration of the localized Video Tutorial had a significant positive effect on the science performance of Grade 8 learners, leading to the rejection of the null hypothesis. The Department of Education may consider offering seminar-workshops for teachers on designing toolkits that include a wide range of materials, activities, and resources to foster a love for science and promote a deeper understanding of scientific concepts. The materials developed can be used not only by educators but also by parents to support their children's learning. Output of the study: The primary output of this study is the localized intervention materials designed for teaching Grade 8 science at Pedro S. Tolentino Memorial Integrated School.

Keywords: science, localized science intervention material