THE LEARNING ACHIEVEMENT OF THE EIGHTH GRADE STUDENTS IN MATHEMATICS USING MULTIMEDIA TECHNOLOGY, SARPANG, BHUTAN

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This experimental research study was carried out with an aim to find out the effectiveness of multimedia technology while teaching mathematics on fractions for the eighth grade students of Sarpang Lower Secondary School in Bhutan. The total of 70 students of the eighth grade participated in the study, 35 of them participated for experimental and 35 students for control group. The instruments used in the study were lesson plans, pre and post test questions, learning satisfaction and inventory checklist. The data obtained from the study were analyzed by using frequencies, mean, standard deviation, percentages, and t-test. The achievement level of both the groups during the pretest was statistically not significant. However, during the posttest the level of achievement of experimental was higher with (X) = 15.17 than the control group (X) = 12.23 and the mean difference between them = 2.94 with 95% were satisfied with the technology.

Findings from the study revealed that the multimedia technology played vital role in motivating students' learning achievement and raised the significant level of satisfaction for the teaching learning process of mathematics especially with regards to the teaching of fractions. It was statistically proved.