EFFECTIVENESS OF INSTRUCTIONAL MATERIALS IN TEACHING

GEOMETRY

A THESIS

BY

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LETTER OF APPROVAL

A Thesis

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Entitled" Effectiveness of Instructional Materials in Teaching Geometry" has been approved in partial fulfillment of requirements for the Degree of Master of Education".

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This is to certify that **Mr.RamSanehi Thakur**, a student of acadmic year 2064/2066 with campus Roll No.432, thesis number 1187, Exam Roll No. 280167/2074 and T. U. Registration No 9-2-22-111-99 has completed his thesis under my supervision, during the period prescribed by the rule and regulation of T.U. Nepal. The thesis entitled "**Effectiveness of Instructional Materials in Teaching Geometry**" has been approved in partial fulfillment of requirements for the Degree of Master of Education embodies the result of investigation conducting the period of 2019 at the Department of Mathematics Education , University Campus , Kirtipur, Kathmandu. I recommend and forward that this thesis submitted for the evaluation to award the Degree of Master of Education.

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ABSTRACT

This study entitled "Effectiveness of Instructional Material on Teaching Geometry" most of teachers and students think geometry is complexity for teaching and learning. It is clear that the use of instructional material helps to achieve the good of teachinggeometry instructional materials are related to the objective of compare the achievement of taught by using instructional materials and without instructional materials and find out the effectiveness of instructional materials on teaching geometry at secondary level.

The design of the study was pretest- posttestdesign. It is an experimental research in order to fulfill these objectives the researcher selected one school randomly in Rasuwa district. From the school 32 students were selected from class X for sample of the study and it is divided into two groups each groups have 16/16 students. The experimental group and control group were determined by tossing a coin. Both experimental and control groups thought by researcher himself on the topic geometry at grad X. The experimental group was by using different instructional materials and control group was thought without using instructional materials pretest was administrated before the experiment started. The experiment runs for the duration of 15 days. After 15 days a post-test was administered on both groups and the mean score was calculated. The difference in mean achievement score are tested by using t-test at 0.05 levels of significance.

Finally, the researcher concluded that the achievement of students of experimental group is better than the achievements of control group. So, geometry teaching by using different instructional materials causes better achievement than teaching without using instructional materials.

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