

Mechanism of Mathematics Concepts Through Gagne's Taxonomy of Learning at Primary Level in Khyber Pakhtunkhwa

By

Sarfraz Ahmad, Ishtiaq Hussain, M. Naseer-ud-din & Maqsood Ahmed
Institute of Education & Research, Kohat University of Science & Technology, Kohat
Khyber Pakhtunkhawa (Pakistan)

Abstract

A study was designed to apply the mechanism of concept formation through Gagne's Taxonomy of learning at primary level in Khyber Pakhtunkhawa. All students of government primary schools in Khyber Pakhtunkhawa constituted the population of the study. The study was delimited to the 5th class students studying mathematics in government primary schools. Sample of the study was taken as the students of 5th class studying in government primary school (Boys) PAF, Kohat. Sample students were divided in two groups i.e., experimental and control groups on the basis of Pre-Test by using pair sampling techniques. Pre-Test was used before the allocation of the groups i.e., experimental and control group for maintaining equality. A design "The Pre-test-Post-Test Equivalent-Group Design" was used to check the treatment effects for high and low levels of achievement. After suitable treatment data was collected through post-test. Problems faced by the students in mathematics were highlighted and appropriate suggestions were given to meet the future challenges.

Keywords: Mechanism, Taxonomy, Mathematics, Equality, Design, Treatment, Suggestions