Concept Mapping: an Interactive Teaching Strategy that Enhances Active Learning and Students' Achievement in Biology

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ABSTRACT

This study investigated the effects of concept mapping teaching strategy (CMTS) on secondary school students' achievement in biology. A non-equivalent control group design under quasi- experimental research was used in which a groups. The accessible population was the form two class (second grade in the secondary school cycle in Kenya). The groups comprised of 186 form two students. Students in all the groups were taught the same biology content. Two methods. One experimental group and one control group were pre-tested prior to the CMTS intervention. After a four-analyzed using t-test and one way ANOVA. The results show that students exposed to CMTS intervention had a effective teaching strategy, which enhances active learning and learners' achievement in biology. It is recommended that enhance active and meaningful learning in biology lessons.

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