

**AN INVESTIGATION OF THE FACTORS WHICH AFFECT
PERFORMANCE OF BIOLOGY IN NZAUI SUBCOUNTY MAKUENI
COUNTY, KENYA**

BY

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**A RESEARCH PROJECT SUBMITTED IN PARTIAL FULFILLMENT OF THE
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ABSTRACT

Educational reforms and development have been the objectives of the government since independence. This includes provision of quality education which lead to both economic and social development. Despite the government efforts on education and especially achievement on sciences and intervention measures, achievement in biology has for many years remained poor. The statement of the problem of this study is to establish determinants of students' achievement in Biology despite concerted efforts by stakeholders to provide resources and other components aimed at enhancing its achievement. The objectives of this study are to find out students perception towards biology achievement, to establish whether teacher qualification and experience affect achievement of biology in secondary school, identify the availability of ICT facilities and other teaching and learning resources in secondary schools and if their use influence achievement of biology and finally identify strategies used by teachers and learners to enhance achievement in biology in Nzau District. The study is based on production function theory where combination of inputs like students' factors, teacher factors and school environment interact through teaching and learning process to produce output in form of learners' achievement. The study has reviewed performance of students in biology and other subjects within the country, in Africa and outside Africa. The study wi adopted descriptive survey design and also used an ex-post facto design. The location of this study was at Nzau District in Makueni County, Kenya, where students' achievement in biology has been low for repeated number of years. The study population is school Principal, biology teachers and form3 students taking biology subject. The study constituted a sample size of 25 Principals, 25 Biology teachers and 250 Form 3 students to give a total of 300 respondents. The study adopted stratified sampling to select the public schools to be included in the sample. Proportional allocation of sample size of the public schools in each stratum were be used. This study will use questionnaires to collect data from the respondents in order to obtain the feedback for the purpose of coming up study findings for generalization.