# An exploration of the Annual National Assessments for Grade 9 mathematics

## Background

Faced with overwhelming evidence that the problem of poor educational outcomes in the South African school system starts long before the Grade 12 year, the government has adopted various interventions aimed at addressing this. One of these was the Annual National Assessments (ANA) in mathematics and literacy.

Administered in 2014 to more than 7.3 million learners in Grades 1 to 6 and Grade 9, the ANA was met with significant resistance from unions and was not run again. As it did not have time to mature into an established assessment indicator, this study was set up to see how well it worked in two provinces (the Eastern Cape and KwaZulu-Natal) and then use the findings to recommend how the ANA could be improved and implementation enhanced in the future.



## Objectives

The main objective of this study was to investigate the factors which limit or enhance the validity of the mathematics ANA programme at Grade 9 level. It also aimed to critique the Grade 9 mathematics assessment tools and implementation of the ANA, and explore the extent to which stakeholders are using the information gleaned from the ANA to improve learning and teaching.

## Findings

Using a mixed-methods approach, including teacher questionnaires and interviews, the following key findings emerged:

 Some teachers felt that the purpose of the ANA needed to be clarified so that the assessment could be better aligned to the purpose, because preparing learners for an assessment like the ANA is different from teaching the content.



- Many teachers thought the curriculum was overloaded and felt under pressure. Frustration was expressed about the sequencing of the topics as well.
- The extent to which mathematics teachers work together as a team differs according to the quintile of the school: well-resourced Quintile 5 schools worked better and provided more support to one another than the less resourced no-fee schools, revealing that the disparities have more to do with the ways in which the subject head supports and organises the subject team than actual resources.

### UNIVERSITY OF KWAZULU-NATAL

#### CONTACT

**Prof Sarah Bansilal** +27 (31) 260 3451 Bansilals@ukzn.ac.za

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## Recommendations

The findings suggest that the ANA programme tried to accomplish too many functions, which was impeded by the reality of the implementation challenges. Its purpose, parameters and function should therefore be defined.

Overall, teachers are stressed by, and frustrated with, inefficiencies in the education system and the increase in the administrative demands on them, and so it is crucial that they feel better supported in their schools. To facilitate cooperation and participation by teachers, the ANA must therefore lead to an easing of their load. Any new intervention cannot be an added task, and teachers need to be widely consulted on how it could be improved.

#### CALL FOR PROPOSALS 2 (CfP2)

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