

Complete APA bibliographic reference:

Maqsd, M., U North-west, Faculty of Education, Mmabatho, South Africa. (1997). Effects of metacognitive skills and nonverbal ability on academic achievement of high school pupils. *Educational Psychology*, 17 (4), 387-397.

Four or five descriptor names that best describe the topic:

(refer to descriptor list)

Metacognition, comprehension, assessment instruments,

Type of Article:

Quantitative Research

Briefly stated major purpose(s) of the article:

To examine relationships of metacognitive strategies and nonverbal reasoning ability to their performance in tests of mathematics and English comprehension.

Research article – summarize the major findings in 1-4 sentences:

The results of the two experiments indicated that metacognitive ability tends to associate positively with academic attainment of high school pupils, but there is yet a need for exploring relationships of cause and effect.

Quantitative Study Information:

Independent Variables Included: (delete any that do not apply)

Male/Female genders, 8th & 9th grade, race/ethnicity (all African), High School Students

List Dependent Variables:

Briefly describe the treatment used in the research study:

Is reliability information reported? yes

If so, for which instrument? Raven's Standard Progressive Matrices (RSPM), Swanson (1990) Metacognitive Questionnaire (SMQ) and a mathematics achievement test Index of Reading Awareness (IRA), English Comprehension Test

Is validity information reported? yes

If so, for which instrument? Raven's Progressive Matrices

Submitted by/date: JSB/2005