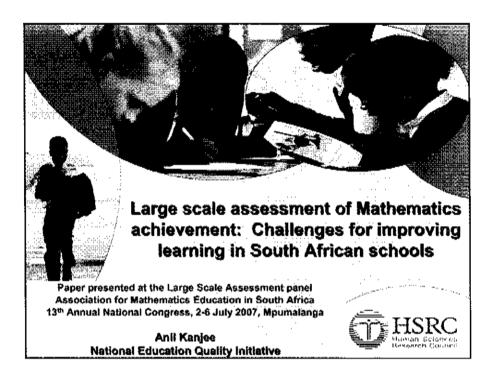
HSRC RESEARCH OUTPUTS

りつろう



Some information about the National Education Quality Improvement Initiative

National Education Quality Improvement Initiative (NEQI)

What is NEQI?

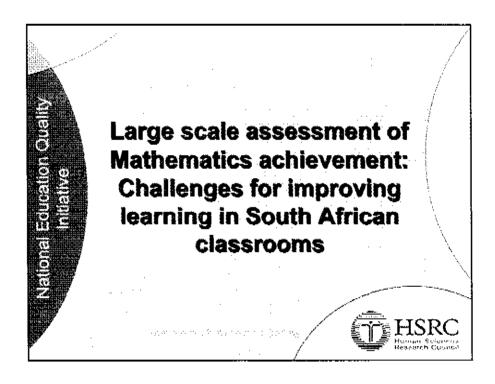
National initiative established by the HSRC to support key role-players improve education system in South Africa

Primary purpose:

To support government and other key role-players (teachers, parents, learners, NGOs, donors) enhance decision making processes for implementing relevant and effective strategies to improve education quality at all levels of the system in South Africa

Current Project (5 years)

Develop and pilot – an Integrated & effective national assessment system to enhance learning in schools



Take-away point



- For LSAS to impact on improving learning, its potential to address the formative function of assessment must be fully realised
- In South Africa expertise and experience exists to do this

Caution

- Assessment only a means to an end not an end itself
- In practice range of different types of evidence to determine learner performance
- Current model limited to paper and pencil type assessments
- Focus to support teachers with ONE aspect of assessment

Review LSAS in SA:

- To determine:
 - Purpose
 - Target audience
 - Focus
- Identify impact on improving learning
- Extract ideas for ensuring LSAS address formative assessment function

Definition - LSAS

lational Education Quality Initiative Any assessment study planned and conducted by relevant authorities from outside the classroom

3 core functions of assessment

Formative:

assessment that provide feedback to learners about how to go about improving, i.e. evidence for learning based on the on the here and now.

Summative:

summative assessments are used to certify achievement or potential, i.e. evidence pertaining to what learners have been or will be able to do used for certification & selection

Evaluative:

assessment are used to evaluate institutions and curricular and serve the purpose of accountability -

Assessment in South Africa



- Assessment integral part of apartheid system
- Neglected in initial policy formulation and implementation
- Limited information on the impact of assessment policies and practices - in particular LSAS

v	LSAS conducted in SA to o	date
1	Name of study	Date
	Grade 9 Longitudinal Study	1996
	Monitoring Learning Achievement project	1999
	District Wide Reading Improvement Program	1999
7	Evaluation of the Quality Learning Programme	2000, 2002, 2004
	Grade 3 Systemic Evaluation	2001
	Assessment Modelling Initiative	2001 to 2003
	Monitoring Trends in Education Quality	2002
i E	Grade 6 Systemic Evaluation	2004
	Grade 6 Systemic Evaluation Teacher Guides	2005
	Integrated Education Programme Evaluation	2004, 2005, 2006
	Primary Mathematics Research Project	2004
	WCED Assessment of Language and Mathematics Skills	2006
	ECED Baseline assessment in Grade 3, 6 & 9	2002 - 2005
	SACMEQ	2001
T	TIMSS	1995, 1999, 2003

Trends in LSAS

- Only 1 study (AMI) focussed on formative function
- Rest aimed to:
 - · Provide information to policy makers
 - · Evaluate interventions
 - · Obtain baseline information
- Many reported information that could be used to support formative assessment function
 - Reported by achievement levels
 - Examples and interpretation of 'actual' learner responses
 - · Matrix sampling to ensure full coverage of curriculum
 - · IRT to equate and report scores
 - Assessment of teacher knowledge and competency

Reporting by Mastery Level & Sub-domain Sections 7 & 9 Sections 2, 3 & 4 School Section 5 Section 8 Section 10 DML MML 12.8 School 1 7.7 0 û 64.1: 46.2 66.7 33.1 12.8 7.7 School 2 8,3 4,2 29.2 16.7 4,2 0 4.2 2.1 2.1 2.1 50.0 22.9 50.0 14.6 4.2 2.1 HOA Schools School 1 57.1 21.4 35.7 17.9 96.4 ¥2.1 92.9 78.6 46.4 28.6 School 2 9.4 43.8 9.4 31.3 15.6 27.3 6.1 36.4 12.3 66.7 51.5 63.6 30,3 9.1 9.1 HOD Schools School 1 57.1 21.4 35.7 17.9 96.4 82.1 92.9 78.6 46.4 28.6 School 2 40.6 9.4 43.8 9.4 81.3 56.3 65.6 31.3 15.6 27.3 6.1 36,4 12.1 66.7 51.5 63.6 30.3 9.1 9.1 HOR School 21.4 35.7 School 1 57.I 17.9 96.4 82.1 92.9 78.6 46.4 28.6 School 2 40.6 9.4 43.8 81.3 56.3 18.8 15.6 27.3 36.4 12,1 66.7 9.1

Example 1

Letter-sound and letter-name matching (Section 4):

This section determines the tearpers' shiftly to match written symbols tboth upper and lower case; to spoken sounds and to the spoken rame of the letter. To become successful at spelling it is important that the child learns to use the names of the letters where the same sound may be represented by different symbols, for example, "see" and "see".

Example:

The test administrator call out a relevant sound p (puh) and learners are required to cross out the corresponding alphabet.

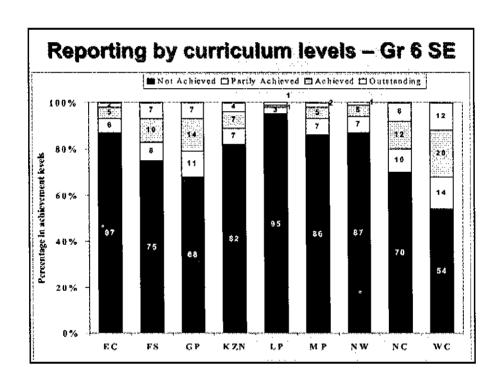
4	R	€.	Ĭ
---	---	----	---

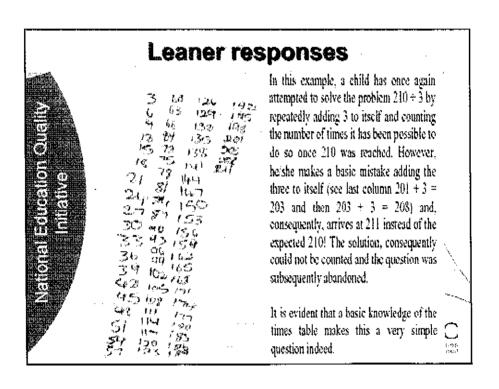
Matching similar sounds in words with different graphenes (Section 10):

This section requires an advanced knowledge of English phonics and letter-sound correspondences as learners are required to choose a word containing a matching sound to the target word, for example, "go" matched to "show" but not to "now". This demanding task with challenge the reading skifts of the first language English speakers. Successful performance indicates well-developed decoding ubility and lamiliarity with written English.

Example: Cross the word that sounds like the first word

e.v	von	DOM.	trees	witherster





QLP: Matrix Sampling Learning Multiple Аген Constructed Response Choice Total English 26 26 Language structure and use Reading and viewing 43 Thinking and Reasoning 11 21 32 10 1.3 Writing 25 114 Total 89 Maths 24 Algebra 6 19 Data 2 17 14 18 Measurement 4 27 31 Numeracy 11 15 17 Shape and space Total LN 91 100 Science 7 14 21 Earth and Beyond 30 36 Energy and Change 6 32 38 Life and the Living 6 Matter and Materials 18 24 \boldsymbol{G}

25

94

274

119

342

Total

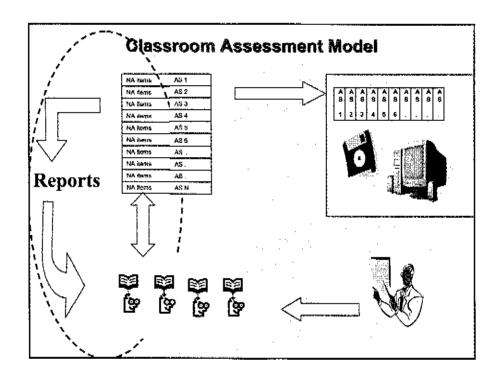
Total number of items

However none of the LSAS address teacher assessment needs in the classroom

Assessment information for teachers

- Available when needed for CURRENT learners
- * Identify learner strengths & weakness
- Determine appropriate interventions
- * Records trends in performance over time
- Covers entire curriculum i.e. all AS
- Integrated within teacher plans and timeframes
- Reduce work load

How does this classroom assessment model function?



Challenges & Way Forward

- Audit of structures and procedures at different levels of the education system to support/ implement assessment policies
- In-dept qualitative studies of teacher understanding, needs and practices wrt assessment & implementation of assessment policies
- Item development and national pilot Intermediate Phase Maths and English (FAL) – i.e. Reading
- Development & field trial of software
- Randomised Experiment to trial to determine impact
 - · 2 districts Mpumalanga & North West
- Costing exercise

Apology



- Conference organisers not submitting paper on time
- Discussant paper only submitted on Monday

Thank You

Contact Details

lational Education C Initiative

Anil Kanjee National Education Quality Initiative Human Sciences Research Council

Ph ++ 27 12 302 2302 Fax ++ 27 12 302 2304 Cell ++27 83 325 9705 Home ++27 12 370 4987 <u>akaniee@hsrc.ac.za</u> <u>anil.kaniee@gmail.com</u>