

Mathematical Literacy Limpopo Mid Year Exam 2015 Grade 12 Pdf

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Language and Mathematics Education - Judit N. Moschkovich 2010

A volume in Research in Mathematics Education Series Editor Barbara J. Dougherty, Iowa State University
Marketing description: Issues of language in mathematics learning and teaching are important for both practical and theoretical reasons. Addressing issues of language is crucial for improving mathematics learning and teaching for students who are bilingual, multilingual, or learning English. These issues are also relevant to theory: studies that make language visible provide a complex perspective of the role of language in reasoning and learning mathematics. What is the relevant knowledge base to consider when designing research studies that address issues of language in the learning and teaching of mathematics? What scholarly literature is relevant and can contribute to research? In order to address issues of language in mathematics education, researchers need to use theoretical perspectives that integrate current views of mathematics learning and teaching with current views on language, discourse, bilingualism, and second language acquisition. This volume contributes to the development of such integrated approaches to research on language issues in mathematics education by describing theoretical perspectives for framing the study of language issues and methodological issues to consider when designing research studies. The volume provides interdisciplinary reviews of the research literature from four very different perspectives: mathematics education (Moschkovich), Cultural-Historical-Activity Theory (Gutierrez, Sengupta-Irving, & Dieckmann), systemic functional linguistics (Schleppegrell), and assessment (Solano-Flores). This volume offers graduate students and researchers new to the study of language in mathematics education an introduction to resources for conceptualizing, framing, and designing research studies. For those already involved in examining language issues, the volume provides useful and critical reviews of the literature as well as recommendations for moving forward in designing research. Lastly, the volume provides a basis for dialogue across multiple research communities engaged in collaborative work to address these pressing issues.

THE EARLY GRADE READING ASSESSMENT - Amber K. Gove 2011-09-28

The Early Grade Reading Assessment (EGRA) measures students' progress towards reading. EGRA gauges early literacy skills through a 15-minute individual oral assessment of five fundamental reading skills. RTI worked with education experts to develop the EGRA in 2006, and it has been piloted and implemented in more than 40 countries. This volume aims to take stock of the substantial amount of information and experience generated through the use of EGRA, and to share this knowledge with practitioners, policymakers, and international donors. Chapters cover not only particular applications of the instrument but also put EGRA in the context of broader issues and developments in literacy and education.

Number Patterns 1 - Nuffield Mathematics Project 1973

Politics and Governance of Basic Education - Brian Levy 2018-09-21

This is an open access title available under the terms of a CC BY-NC-ND 4.0 International licence. It is free to read at Oxford Scholarship Online and offered as a free PDF download from OUP and selected open access locations. All over the world, economic inclusion has risen to the top of the development discourse. A well-performing education system is central to achieving inclusive development - but the challenge of improving educational outcomes has proven to be unexpectedly difficult. Access to education has increased, but quality remains low, with weaknesses in governance comprising an important part of the explanation.

The Politics and Governance of Basic Education explores the balance between hierarchical and horizontal institutional arrangements for the public provision of basic education. Using the vivid example of South Africa, a country that had ambitious goals at the outset of its transition from apartheid to democracy, it explores how the interaction of politics and institutions affects educational outcomes. By examining lessons learned from how South Africa failed to achieve many of its goals, it constructs an innovative alternative strategy for making process, combining practical steps to achieve incremental gains to re-orient the system towards learning.

Study and Master Mathematical Literacy Grade 10 Learner's Book - Busisiwe Goba 2005-01-01

Study & Master Mathematical Literacy was developed with the help of practising teachers, and covers all the requirements of the National Curriculum Statement for Mathematical Literacy. Learner's Book: module openers, which clearly explain the outcomes key skills boxes, detailing the skills necessary to perform certain mathematical functions language skills activities, to assist in mastering the language of Mathematical Literacy assessment activities module reviews, which provide extra practice projects, which deal with issues related to the real world, and move learners beyond the confines of the classroom Teacher's Guide: an overview of the RNCS an introduction to outcomes-based education a detailed look at the Learning Outcomes and Assessment Standards for Mathematical Literacy, and how much time to allocate to each during the year information on managing assessment solutions to all the activities/exercises in the Learner's Book photocopiable assessment

Math Makes Sense - 2008

Education about Mental Health and Illness - Marc H.M. Hermans 2019-05-24

This book highlights the best educational practices for the professionals dealing with mental health and illness. While attempting an overall review of the current state-of-the-art in psychiatry education, the book focuses on recent developments and controversies in undergraduate and postgraduate psychiatric education around the globe.

World Social Report 2020 - Department of Economic and Social Affairs 2020-02-14

This report examines the links between inequality and other major global trends (or megatrends), with a focus on technological change, climate change, urbanization and international migration. The analysis pays particular attention to poverty and labour market trends, as they mediate the distributional impacts of the major trends selected. It also provides policy recommendations to manage these megatrends in an equitable manner and considers the policy implications, so as to reduce inequalities and support their implementation.

Study and Master Mathematics Grade 12 CAPS Study Guide - Noleen Jakins 2013-10-31

Twenty Years of Education Transformation in Gauteng 1994 to 2014 - Maringe, Felix 2015-05-05

Twenty Years of Education Transformation in Gauteng 1994 to 2014: An Independent Review presents a collection of 15 important essays on different aspects of education in Gauteng since the advent of democracy in 1994. These essays talk to what a provincial education department does and how and why it does these things - whether it be about policy, resourcing or implementing projects. Each essay is written by one or more specialist in the relevant focus area. The book is written to be accessible to the general

reader as well as being informative and an essential resource for the specialist reader. It sheds light on aspects of how a provincial department operates and why and with what consequences certain decisions have been made in education over the last 20 turbulent years, both nationally and provincially. There has been no attempt to fit the book's chapters into a particular ideological or educational paradigm, and as a result the reader will find differing views on various aspects of the Gauteng Department of Education's present and past. We leave the reader to decide to what extent the GDE has fulfilled its educational mandate over the last 20 years.

Proceedings of the 13th International Congress on Mathematical Education - Gabriele Kaiser 2017-10-31

This book is open access under a CC BY 4.0 license. The book presents the Proceedings of the 13th International Congress on Mathematical Education (ICME-13) and is based on the presentations given at the 13th International Congress on Mathematical Education (ICME-13). ICME-13 took place from 24th-31st July 2016 at the University of Hamburg in Hamburg (Germany). The congress was hosted by the Society of Didactics of Mathematics (Gesellschaft für Didaktik der Mathematik - GDM) and took place under the auspices of the International Commission on Mathematical Instruction (ICMI). ICME-13 brought together about 3.500 mathematics educators from 105 countries, additionally 250 teachers from German speaking countries met for specific activities. Directly before the congress activities were offered for 450 Early Career Researchers. The proceedings give a comprehensive overview on the current state-of-the-art of the discussions on mathematics education and display the breadth and deepness of current research on mathematical teaching-and-learning processes. The book introduces the major activities of ICME-13, namely articles from the four plenary lecturers and two plenary panels, articles from the five ICMI awardees, reports from six national presentations, three reports from the thematic afternoon devoted to specific features of ICME-13. Furthermore, the proceedings contain descriptions of the 54 Topic Study Groups, which formed the heart of the congress and reports from 29 Discussion Groups and 31 Workshops. The additional important activities of ICME-13, namely papers from the invited lecturers, will be presented in the second volume of the proceedings.

Comparative and International Education - C. C. Wolhuter 2019-08-26

This book explores the evolution and current state of the scholarly field of comparative and international education over 200 years of development. Experts in the field explore comparative and international education in each of the major world regions.

Mathematics Teaching and Professional Learning in sub-Sahara Africa - Kakoma Luneta 2021-12-09

The book represents a crop of wide-ranging research conducted by renown scholars in sub-Sahara Africa revolving around mathematics teaching and professional development programs for mathematics teachers. The research-based proposals and actual how-to-conduct professional development initiatives that enhance effective mathematics instruction are rooted in teacher input and informed by learners' errors and misconceptions. The book provides a comprehensive snapshot on mathematics teaching, learning and effective professional development programmes for mathematics teachers in sub-Sahara Africa. It is the only research output that advances and disseminates issues of mathematics education and research in the region with input from South Africa, Kenya, Rwanda, Uganda, Malawi, Namibia, Lesotho, Ethiopia and Zimbabwe.

Tourism and Hospitality Studies - Irfan Yazicioglu 2020-12-16

This book discusses "tourism and hospitality" from different perspectives and disciplines. In addition, this book, considering the tourism and hotel management terminology, is expected to be a source book for the theoretical and practical scientific studies in the fields which is in close relationship such as gastronomy, recreation and marketing.

Handbook of Research on Science Education - Sandra K. Abell 2013-03-07

This state-of-the art research Handbook provides a comprehensive, coherent, current synthesis of the empirical and theoretical research concerning teaching and learning in science and lays down a foundation upon which future research can be built. The contributors, all leading experts in their research areas, represent the international and gender diversity that exists in the science education research community. As a whole, the Handbook of Research on Science Education demonstrates that science education is alive and well and illustrates its vitality. It is an essential resource for the entire science education community,

including veteran and emerging researchers, university faculty, graduate students, practitioners in the schools, and science education professionals outside of universities. The National Association for Research in Science Teaching (NARST) endorses the Handbook of Research on Science Education as an important and valuable synthesis of the current knowledge in the field of science education by leading individuals in the field. For more information on NARST, please visit: <http://www.narst.org/>.

World Development Report 1978 - 1978

This first report deals with some of the major development issues confronting the developing countries and explores the relationship of the major trends in the international economy to them. It is designed to help clarify some of the linkages between the international economy and domestic strategies in the developing countries against the background of growing interdependence and increasing complexity in the world economy. It assesses the prospects for progress in accelerating growth and alleviating poverty, and identifies some of the major policy issues which will affect these prospects.

Struggling to Make the Grade: A Review of the Causes and Consequences of the Weak Outcomes of South Africa's Education System - Mr.Montfort Mlachila 2019-03-01

While South Africa has made significant improvements in basic and tertiary education enrollment, the country still suffers from significant challenges in the quality of educational achievement by almost any international metric. The paper finds that money is clearly not the main issue since the South Africa's education budget is comparable to OECD countries as a percent of GDP and exceeds that of most peer sub-Saharan African countries in per capita terms. The main explanatory factors are complex and multifaceted, and are associated with insufficient subject knowledge of some teachers, history, race, language, geographic location, and socio-economic status. Low educational achievement contributes to low productivity growth, and high levels of poverty, unemployment, and inequality. Drawing on the literature, the paper sketches some policy considerations to guide the debate on what works and what does not.

Public Interest Litigation in South Africa - Jason Brickhill 2018-08-31

Public Interest Litigation in South Africa offers grounded accounts - by leaders in the field - of the campaigns, cases, and causes that have defined key areas of public interest litigation in the country since the constitutional transition. The authors share their perspectives on the struggles led by people, communities, activists, and civil society organisations to realise the vision of the Constitution. The book shares the legal narratives of those particular struggles in the hope that this will contribute to the broader continuous struggle for social justice. Part One of the book considers the history of public interest litigation, the public interest sector today, public interest litigation in the context of international law, the ethics and politics of public interest litigation, and procedure. Part Two addresses public interest litigation in key areas of law: property rights, gender, basic services, health care, LGBTI equality, children's rights, basic education, freedom of expression, access to information, and prisoners' rights. Public Interest Litigation in South Africa seeks to share more of the stories of what has been achieved in the courts, beyond the well-trodden, landmark appellate decisions, as a contribution to informed and critical engagement.

The Future of the Teaching and Learning of Algebra - Kaye Stacey 2006-04-11

Kaye Stacey, Helen Chick, and Margaret Kendal The University of Melbourne, Australia Abstract: This section reports on the organisation, procedures, and publications of the ICMI Study, The Future of the Teaching and Learning of Algebra. Key words: Study Conference, organisation, procedures, publications The International Commission on Mathematical Instruction (ICMI) has, since the 1980s, conducted a series of studies into topics of particular significance to the theory and practice of contemporary mathematics education. Each ICMI Study involves an international seminar, the "Study Conference", and culminates in a published volume intended to promote and assist discussion and action at the international, national, regional, and institutional levels. The ICMI Study running from 2000 to 2004 was on The Future of the Teaching and Learning of Algebra, and its Study Conference was held at The University of Melbourne, Australia from December to 2001. It was the first study held in the Southern Hemisphere. There are several reasons why the future of the teaching and learning of algebra was a timely focus at the beginning of the twenty first century. The strong research base developed over recent decades enabled us to take stock of what has been achieved and also to look forward to what should be done and what might be achieved in the future. In addition, trends evident over recent years have intensified. Those particularly affecting school

mathematics are the “massification” of education—continuing in some countries whilst beginning in others—and the advance of technology.

How to Pass Higher Modern Studies - Frank Cooney 2015-04-24

Exam Board: SQA Level: Higher Subject: Modern Studies First Teaching: September 2014 First Exam: Summer 2015 Get your best grade with this guide to Higher Modern Studies for CfE. This book contains all the advice and support you need to revise successfully for your Higher exam (for CfE). It combines an overview of the course syllabus with advice from a top expert on how to improve exam performance, so you have the best chance of success. - Refresh your knowledge with complete course notes - Prepare for the exam with top tips and hints on revision techniques - Get your best grade with advice on how to gain those vital extra marks

Study and Master Life Sciences Grade 11 CAPS Study Guide - Gonasagaren S. Pillay 2014-08-21

Study and Master Mathematical Literacy Grade 12 CAPS Learner's Book - Karen Morrison 2014-05-01

Children's Mathematics - Elizabeth Carruthers 2006-08-30

Offering practical guidance to teachers and novice teachers the authors explore a number of ways of helping children make sense of mathematics and suggest alternatives to the excessive use of worksheets.

Physical Science - National Learning Corporation 1988-06

The DSST Subject Standardized Tests are comprehensive college and graduate level examinations given by the Armed Forces, colleges and graduate schools. These exams enable students to earn college credit for what they have learned through self-study, on the job, or by other non-traditional means. The DSST Physical Science Passbook® prepares candidates for the DSST exam, which enables schools to award credit for knowledge acquired outside the normal classroom environment. It provides a series of informational texts as well as hundreds of questions and answers in the areas that will likely be covered on your upcoming exam, including but not limited to: physics; electricity and magnetism; matter; chemical reactions; atomic structure; and more.

Invited Lectures from the 13th International Congress on Mathematical Education - Gabriele Kaiser 2018-02-06

The book presents the Invited Lectures given at 13th International Congress on Mathematical Education (ICME-13). ICME-13 took place from 24th- 31st July 2016 at the University of Hamburg in Hamburg (Germany). The congress was hosted by the Society of Didactics of Mathematics (Gesellschaft für Didaktik der Mathematik - GDM) and took place under the auspices of the International Commission on Mathematical Instruction (ICMI). ICME-13 - the biggest ICME so far - brought together about 3500 mathematics educators from 105 countries, additionally 250 teachers from German speaking countries met for specific activities. The scholars came together to share their work on the improvement of mathematics education at all educational levels.. The papers present the work of prominent mathematics educators from all over the globe and give insight into the current discussion in mathematics education. The Invited Lectures cover a wide spectrum of topics, themes and issues and aim to give direction to future research towards educational improvement in the teaching and learning of mathematics education. This book is of particular interest to researchers, teachers and curriculum developers in mathematics education.

Knowledge Production and Contradictory Functions in African Higher Education - Nico Cloete 2015-03-01

The dominant global discourse in higher education now focuses on world-class universities inevitably located predominantly in North America, Europe and, increasingly, East Asia. The rest of the world, including Africa, is left to play catch-up. But that discourse should focus rather on the tensions, even contradictions, between excellence and engagement with which all universities must grapple. Here the African experience has much to offer the high-participation and generously resourced systems of the so-called developed world. This book offers a critical review of that experience, and so makes a major contribution to our understanding of higher education.

Clinical Tropical Medicine - Kevin M. Cahill 1972

Mathematical Literacy, Grade 11 - Karen Morrison 2012-09-10

Study & Master Mathematical Literacy Grade 11 has been especially developed by an experienced author team according to the Curriculum and Assessment Policy Statement (CAPS). This new and easy-to-use course helps learners to master essential content and skills in Mathematical Literacy. The comprehensive Learner's Book includes: * thorough coverage of the basic skills topics to lay a sound foundation for the development of knowledge, skills and concepts in Mathematical Literacy * margin notes to assist learners with new concepts - especially Link boxes, that refer learners to the basic skills topics covered in Term 1, Unit 1-16 * ample examples with a strong visual input to connect Mathematical Literacy to everyday life.

Theorizing STEM Education in the 21st Century - Kehdinga George Fomunyam 2020-02-26

Theorising STEM Education in the 21st Century is a book that captures the essence of Science, Technology, Engineering and Mathematics and the intricacies of STEM education in the contemporary society. It explores STEM as an interdisciplinary field as well as the individual disciplines that make up STEM. This ensures the field of STEM as a whole is theorised. The book provides critical insight on STEM education from Cairo to Cape Town or from America to Indonesia. With a team of authors from universities across the world, the book is a vital contribution to critical scholarship on STEM education in contemporary times.

Mathematics and Science Achievement at South African Schools in TIMSS 2003 - Vijay Reddy 2006

This monograph reports on South Africa's performance in TIMSS 2003 relative to 50 other countries; describes the performance of different groups of learners in South Africa; and provides contextual information about teachers, schools and the curriculum. The report concludes with recommendations for strategic interventions to improve South African learners' performance in mathematics and science. The findings contained in this report offer valuable insights to academics, policymakers, curriculum-planners and teachers and those involved in the development of education in South Africa.

Teacher-Made Assessments - Christopher R. Gareis 2015-03-24

Assessment is not only a measure of student learning, but a means to student learning. This bestselling book guides you in constructing and using your own classroom assessments, including tests, quizzes, essays, and rubrics to improve student achievement. You will learn how to weave together curriculum, instruction, and learning to make assessment a more natural, useful part of teaching. Find out how to... ensure your assessments are fair, reliable, and valid; construct assessments that meet the level of cognitive demand expected of students; create select-response items and understand technology-enhanced items that are increasingly being used on assessments; use constructed-response items and develop scoring criteria such as rubrics; and analyze student results on assessments and use feedback more effectively. This second edition features updated examples that reflect the Common Core State Standards as well as other content standards and new, useful samples of teacher-friendly techniques for strengthening classroom assessment practices. No matter what grade level or subject area you teach, this practical book will become your go-to resource for designing effective assessments.

Taxonomy of Educational Objectives - 1984

TIMSS 2011 International Results in Mathematics - Ina V. S. Mullis 2012-12

South African Schooling: The Enigma of Inequality - Nic Spaull 2019-11-05

This volume brings together many of South Africa's leading scholars of education and covers the full range of South African schooling: from financing and policy reform to in-depth discussions of literacy, numeracy, teacher development and curriculum change. The book moves beyond a historical analysis and provides an inside view of the questions South African scholars are now grappling with: Are there different and preferential equilibria we have not yet thought of or explored, and if so what are they? In practical terms, how does one get to a more equitable distribution of teachers, resources and learning outcomes? While decidedly local, these questions resonate throughout the developing world. South Africa today is the most unequal country in the world. The richest 10% of South Africans lay claim to 65% of national income and 90% of national wealth. This is the largest 90-10 gap in the world, and one that is reflected in the schooling system. Two decades after apartheid it is still the case that the life chances of most South African children are determined not by their ability or the result of hard-work and determination, but instead by the colour

of their skin, the province of their birth, and the wealth of their parents. Looking back on almost three decades of democracy in South Africa, it is this stubbornness of inequality and its patterns of persistence that demands explanation, justification and analysis. "This is a landmark book on basic education in South Africa, an essential volume for those interested in learning outcomes and their inequality in South Africa. The various chapters present conceptually and empirically sophisticated analyses of learning outcomes across divisions of race, class, and place. The book brings together the wealth of decades of research output from top quality researchers to explore what has improved, what has not, and why." Prof Lant Pritchett, Harvard University "There is much wisdom in this collection from many of the best education analysts in South Africa. No surprise that they conclude that without a large and sustained expansion in well-trained teachers, early childhood education, and adequate school resources, South Africa will continue to sacrifice its people's future to maintaining the privileges of the few." Prof Martin Carnoy, Stanford University "Altogether, one can derive from this very valuable volume, if not an exact blueprint for the future, then certainly at least a crucial and evidence-based itinerary for the next few steps." Dr Luis Crouch, RTI

Accountability in education: meeting our commitments - UNESCO 2017-10-30

"The second edition of the Global Education Monitoring Report (GEM Report) presents the latest evidence on global progress towards the education targets of the UN Sustainable Development Goals. With hundreds of millions of people still not going to school, and many not achieving minimum skills at school, it is clear education systems are off track to achieve global goals. The marginalized currently bear the most consequences but also stand to benefit the most if policy-makers pay sufficient attention to their needs. Faced with these challenges, along with tight budgets and increased emphasis on results-oriented value for money, countries are searching for solutions. Increased accountability often tops the list. The 2017/8 GEM Report shows the entire array of approaches to accountability in education. It ranges from countries unused to the concept, where violations of the right to education go unchallenged, to countries where accountability has become an end in itself instead of a means to inclusive, equitable and high-quality education and lifelong learning for all. The report emphasizes that education is a shared responsibility. While governments have primary responsibility, all actors - schools, teachers, parents, students, international organizations, private sector providers, civil society and the media 03 have a role in improving education systems. The report emphasized the importance of transparency and availability of information but urges caution in how data are used. It makes the case for avoiding accountability systems with a disproportionate focus on narrowly defined results and punitive sanctions. In an era of multiple accountability tools, the report provides clear evidence on those that are working and those that are not."-- Back cover.

Water security and the sustainable development goals - Centre international pour la sécurité et la gestion durable de l'eau 2019-04-30

Mathematical Literacy, Grade 10 - Karen Morrison 2012-02-23

Study & Master Mathematical Literacy Grade 10 has been especially developed by an experienced author team according to the Curriculum and Assessment Policy Statement (CAPS). This new and easy-to-use course helps learners to master essential content and skills in Mathematical Literacy. The Teacher's File includes: * a weekly teaching schedule, divided into the four terms to guide the teacher on what to teach * extra project templates for teachers to choose from * solutions to all the activities in the Learner's Book.

The West Stole Africa's Wealth - Khoza Mduduzi 2015-07-28

The West stolen Africa's wealth and invested it in the IMF, World Bank and European Bank. Through the colonization of Africa, the West not only managed to impoverish the African continent but it managed to build its own world class infrastructure through ill-gotten wealth from Africa. Africa is the richest continent on the face of the world as far as mineral resources is concern, but, Africans are the poorest people on the face of the world. It's an open secret that the majority of skyscrapers in the US were built by African slaves who were bought from Gorée Island in Senegal at the cheapest price and transported to the US. From the Dark Age until to the information age, the African continent is the only continent where there is no perennial political peace. Africans have been on the run from their civil wars for quite a long period of time, to the point that some Africans have emigrated from the African continent to live in the West where they are not even welcomed and accepted. African mineral resources are sufficient enough to the point that if they were equally and fairly utilized in the interest of the Africa people, Africa was going to be a poverty-free continent. Unfortunately opposite is the case, the African mineral resources continue to enrich the Westerners at the expense of the African people. Africans are political free but remain economically in prison, which they can't see, smell, touch or feel. The west destabilizes the African continent by pouring military weapons to the African continent to ensure that bloodshed does not cease.

The Geography of South Africa - Jasper Knight 2018-10-03

This edited collection examines contemporary directions in geographical research on South Africa. It encompasses a cross section of selected themes of critical importance not only to the discipline of Geography in South Africa, but also of relevance to other areas of the Global South. All chapters are original contributions, providing a state of the art research baseline on key themes in physical, human and environmental geography, and in understanding the changing geographical landscapes of modern South Africa. These contributions set the scene for an understanding of the relationships between modern South Africa and the wider contemporary world, including issues of sustainable development and growth in the Global South.

Researching Mathematics Education in South Africa - Renuka Vithal 2005

Reflecting on the theoretical and ideological work that has contributed to the growth of mathematics education research in South Africa, this study provides a historical analysis of forces that have changed and shaped mathematics curricula over the years. The themes researched and explored include radical pedagogy, progressive classroom practices, ethnomathematics, and South African mathematics education research within both its local and international contexts.