



**KWAZULU-NATAL PROVINCE**  
EDUCATION  
REPUBLIC OF SOUTH AFRICA

# PHYSICAL SCIENCES

## SCOPE FOR CONTROL TESTS AND EXAMINATIONS 2023: GRADE 10

MARCH CONTROL TEST			
PAPER	TOPICS	MARK	DURATION
ONE PAPER ONLY	<p><b><u>Waves, Sound &amp; Light:</u></b> <i>Transverse pulses on a string or spring, Transverse &amp; Longitudinal Waves, Frequency and Pitch, Amplitude and Loudness, Ultrasound</i></p> <p><b><u>Electricity &amp; Magnetism:</u></b> <i>Electrostatics, Electric Circuits</i></p>	75	1,5 hours
JUNE / MID-YEAR EXAMINATION			
NB: June / Mid-year examination will assess all the Term 1 and Term 2 work.			
PAPER	TOPICS	MARKS	DURATION
Paper 1	<p><b><u>Waves, Sound &amp; Light:</u></b> <i>Transverse pulses on a string or spring, Transverse &amp; Longitudinal Waves, Frequency and Pitch, Amplitude and Loudness, Ultrasound</i></p> <p><b><u>Electricity &amp; Magnetism:</u></b> <i>Electrostatics, Electric Circuits</i></p>	100	2 hours
Paper 2	<p><b><u>Matter &amp; Materials:</u></b> <i>Matter &amp; Classification, States of Matter and the Kinetic Molecular Theory, The Atom, The Periodic Table, Chemical Bonding</i></p> <p><b><u>Chemical Change:</u></b> <i>Physical and Chemical Change, Representing Chemical Change</i></p>	100	2 hours

# Physical Science Grade Caps Scope 2014

**S Nieto**



## Physical Science Grade Caps Scope 2014:

*Remapping Africa in the Global Space* Edward Shizha, 2014-11-26 What are the benefits and risks for Africa's participation in the globalisation nexus *Remapping Africa in the Global Space* is a visionary and interdisciplinary volume that restores Africa's image using a multidisciplinary lens. It incorporates disciplines such as sociology, education, global studies, economics, development studies, political science and philosophy to explore and theorise Africa's reality in the global space and to deconstruct the misperceptions and narratives that often infantilise Africa's internal and international relations. The contributions to this volume are a hybrid of both outsider and insider perspectives that create a balanced critical discourse that can provide standard paradigms that can adequately explain, predict or prevent Africa's current misperceptions and myths about the African crisis and failure status. The authors provide a holistic and perhaps anticolonial and anti-hegemonic perspective that can benefit a wide spectrum of academics, scholars, students, development agents, policy makers in both governmental and non-governmental organisations and engage some alternative analyses and possibilities for socio-political and economic advancement in Africa. The book provides up-to-date scholarly research on continental trends on various subjects and concerns of paramount importance to globalisation and development in Africa. The book is brilliant. *Remapping Africa in the Global Space: Propositions for Change* explores Africa from the perspective of academics specialised in subject matters pertaining to the continent. In this age of globalisation, I find this book invaluable. It is a good read as it dissects, analyses and presents issues affecting the continent in an articulate and cogent way. I highly recommend its use in academic institutions. Magnus Mfofo M. Carthy, Assistant Professor, Lyle S. Hallman Faculty of Social Work, Fellow of Tshepo Institute for the Study of Contemporary Africa, Wilfrid Laurier University, Kitchener, Canada. More than anything else, *Remapping Africa in the Global Space: Propositions for Change* speaks to the complex, multifaceted and interfused character of the development challenges and prospects of Africa. Indeed, few books have examined contemporary Africa as comprehensively and insightfully as this edited volume. It is widely welcomed in the African academic, scholarly and research arena. Joseph Mensah, Professor of Geography, York University, Toronto.

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Atoms John Joseph Gerald McCue,1963      **LEVELED TEXTS FOR SCIENCE** JOSHUA. BISHOPROBY,2023      **Using Physics Gadgets and Gizmos, Grades 9-12** Matthew Bobrowsky,Mikko Korhonen,Jukka Kohtamäki,2014-03-01 What student or teacher can resist the chance to experiment with Rocket Launchers Drinking Birds Dropper Poppers Boomwhackers Flying Pigs and more The 54 experiments in Using Physics Gadgets and Gizmos Grades 9 12 encourage your high school students to explore a variety of phenomena involved with pressure and force thermodynamics energy light and color resonance buoyancy two dimensional motion angular momentum magnetism and electromagnetic induction The authors say there are three good reasons to buy this book 1 To improve your students thinking skills and problem solving abilities 2 To acquire easy to perform experiments that engage students in the topic 3 To make your physics lessons waaaaay more cool The phenomenon based learning PBL approach used by the authors two Finnish teachers and a U S professor is as educational as the experiments are attention grabbing Instead of putting the theory before the application PBL encourages students to first experience how the gadgets work and then grow curious enough to find out why Students engage in the activities not as a task to be completed but as exploration and discovery The idea is to help your students go beyond simply memorizing physics facts Using Physics Gadgets and Gizmos can help them learn broader concepts useful critical thinking skills and science and engineering practices as defined by the Next Generation Science Standards And thanks to those Boomwhackers and Flying Pigs both your students and you will have some serious fun For more information about hands on materials for Using Physical Science Gadgets and Gizmos books visit Arbor Scientific at <http://www.arborsci.com> nsta hs kits

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