



**KWAZULU-NATAL PROVINCE**

EDUCATION  
REPUBLIC OF SOUTH AFRICA

**PHYSICAL SCIENCES  
SCOPE FOR EXAMINATIONS 2024: GRADE 12**

<b>MARCH CONTROLLED TEST (100 marks)</b>			
<b>PAPER</b>	<b>TOPICS</b>	<b>MARK</b>	<b>DURATION</b>
<b>ONE PAPER ONLY</b>	<b><u>Mechanics</u></b> <b>Momentum &amp; Impulse:</b> ✓ Momentum, Newton's second law expressed in terms of Momentum, ✓ Conservation of momentum and Elastic and Inelastic collisions. <b>Vertical Projectile Motion in One Dimension (1D):</b> ✓ represented in words, diagrams, equations and graphs.  <b>Grade 11 Work</b> ✓ Newton's Laws (Newton 1, 2, 3) ✓ Newton's Law of Universal Gravitation) ✓ Applications of Newton's Laws	50	2 hours
	<b><u>Matter and Materials</u></b> <b>Organic molecules:</b> ✓ Organic molecular structures - functional groups, saturated and unsaturated structures, isomers ✓ IUPAC naming and formulae ✓ Structure physical property relationships ✓ Applications of organic chemistry - Substitution, addition and elimination. (ONLY alkanes, alkenes, alkynes, alcohols, haloalkanes, carboxylic acids, and esters)  <b>Grade 11 Work</b> ✓ Inter-molecular forces  <b>NB:</b> Quantitative aspects of chemical change may be assessed across chemistry.	50	

# Physical Science Grade12 June Paper1 Scope

**Thomas Griffiths**



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