



KWAZULU-NATAL PROVINCE

EDUCATION
REPUBLIC OF SOUTH AFRICA

PHYSICAL SCIENCES

SCOPE FOR CONTROL TESTS AND EXAMINATION 2024: GRADE 11

MARCH CONTROLLED TEST			
PAPER	TOPICS	MARK	DURATION
ONE PAPER ONLY	Mechanics: - Vectors in two dimensions, Different kinds of forces, Force diagrams, Free-body diagrams, - Newton's First, Second and Third Laws, - Newton's Law of Universal Gravitation. Electricity and Magnetism: Electrostatics - Electric charge and charge transfer (grade 10) - Coulomb's Law, - Electric Fields.	100	2 hours

JUNE / MID-YEAR EXAMINATION			
NB: June / Mid-year examination will assess all the Term 1 and Term 2 work.			
PAPER	TOPICS	MARK	DURATION
PAPER 1	- Vectors in two dimensions - Newton's laws - Electrostatics - Electromagnetism - Electric circuits	75	1½ hours
PAPER 2	- Chemical bonding - Lewis diagrams and electron configuration - Writing of formulae - Molecular shapes - Electronegativity - Intermolecular forces	75	1½ hours

SEPTEMBER CONTROL TEST			
PAPER	TOPICS	MARKS	DURATION
ONE PAPER ONLY	- Quantitative aspects of chemical change - Energy and chemical change - Acids and bases - Ideal gases and thermal properties	100	2 hours

Physical Science Exemplar Grd 11 2013 Mpumalanga

David Kirk



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