

PHYSICAL SCIENCES – GRADE 11 – 2017

TOPIC	ASSESSMENT STANDARDS	PORTFOLIO ASSESSMENT TASKS
PHASE 1 (07 November 2016 – 31 March 2017)		
Mechanics	Graphs of motions	☞ Task 1 Dec Controlled Test Dec 2016 ☞ Task 2 Practical Investigation Coefficient of Friction 20 – 24 February
	Vectors in two dimensions	
	Newton’s Laws of Motion	
	Newton’s Law of Universal Gravitation	
Matter and Materials	Atomic Bonds	☞ Task 3 Controlled Test 22 – 31 March
	Intermolecular Forces	
PHASE 2 (18 April 2017 – 30 June 2017)		
Waves, Sound and Light	Geometric Optics	☞ Task 4 Practical Investigation Intermolecular Forces 5 – 9 June ☞ Task 5 June Examinations 19 – 30 June
	2D and 3D Wavefronts	
Matter and Materials	Ideal Gases	
Chemical Change	Quantitative Aspects of Chemical Change	
PHASE 3 (24 July 2017 – 10 November 2017)		
Electricity and Magnetism	Electrostatics	☞ Task 6 Research Project Exothermic/Endothermic Reactions 14 – 18 August
	Electromagnetism	
	Electric Circuits	
Chemical Change	Energy and Chemical Change	☞ Task 7 Controlled Test 4 – 8 Sept ☞ Task 8 October Examinations 30 Oct – 10 Nov
	Reaction Types (Acid-Base)	
	Reaction Type (Redox)	
Chemical Systems	Development of Mining	
	Mining and Mineral Process	