

PHYSICAL SCIENCES – GRADE 12 2017

TOPIC	ASSESSMENT STANDARDS	PORTFOLIO ASSESSMENT TASKS
PHASE 1 (07 November 2016 – 31 March 2017)		
Matter and Materials	Organic Chemistry	☞ Task 1 Practical Investigation: Preparation of an Ester 13 – 17 Feb ☞ Task 2 March Exams 6 – 17 March
Mechanics	Momentum and Impulse	
	Vertical Projectile Motion	
PHASE 2 (18 April 2017 – 30 June 2017)		
Mechanics	Work, Energy, Power	☞ Task 3 June Examinations 5 – 15 June
Waves, Sound and Light	Doppler Effect	
Chemical Change	Rates and extent of reactions	☞ Task 4 Practical Investigation: Titration 26 – 30 June
	Chemical Equilibrium	
	Acids and Bases	
PHASE 3 (24 July 2017 – 20 October 2017)		
Electricity and Magnetism	Electric circuits	☞ Task 5 Practical Investigation: Internal resistance of battery 24 – 28 July ☞ Task 6 Trial Examinations 28 Aug – 15 Sept
	Electrodynamics	
Matter and Materials	Photoelectric effect	
	Emission and absorption spectra	
Chemical Change	Electrochemistry	
Chemical Systems	The Fertilizer industry	