

NATURAL SCIENCE (PHYSICAL SCIENCE) - GRADE 9 2024

TOPIC	ASSESSMENT STANDARDS	PORTFOLIO ASSESSMENT TASKS
PHASE 1 (17 January 2024 – 20 March 2024)		
Matter and Materials	Elements and compounds <ul style="list-style-type: none"> • Periodic Table • Atomic and Electron structure • Nuclear Notation • Naming compounds • Writing formulae • Balancing Chemical Reaction Equations 	Task 1: Investigation: Construction of a Molecule 19 – 23 Feb Task 2: Controlled Tests 21 Feb – 05 Mar
	PHASE 2 (3 April 2024 – 14 June 2024)	
Matter and Materials	Metals and Non – metals <ul style="list-style-type: none"> • Reactions of metals and non – metals with oxygen • Metal oxides • Non – metal oxides 	Task 3: Practical Investigation: Reactions of metals and non-metals in oxygen 20 – 25 May Task 4: June Examinations 03 – 14 June
	Acids and Bases <ul style="list-style-type: none"> • Properties • Names and Formulae of various acids and bases • Uses of acids and bases • pH scale • Neutralisation • Reactions of acids with metals • Reactions of acids and metal hydroxides • Reactions of acids and metal oxides • Reactions of acids and metal carbonates 	
PHASE 3 (09 July 2024 – 08 November 2024)		
Energy and Change	Forces: (contact and non – contact) <ul style="list-style-type: none"> • Electrostatic forces • Magnetic forces • Gravitational force 	Task 5: Assignment: Alternate energy 5 – 9 Aug Task 6: Controlled Test 23 Aug – 06 Sep Task 7: Nov Examinations 11 – 22 Nov
	Electric circuits <ul style="list-style-type: none"> • Cells as chemical systems and sources of energy • Relationships in series and parallel circuits • Potential Difference, Current Strength, resistance • Factors that affect resistance 	