TECHNOLOGY – GRADE 8 2024

ΤΟΡΙϹ	ASSESSMENT STANDARDS	PORTFOLIO ASSESSMENT TASKS
PHASE 1 (17 January 2024 – 20 March 2024)		
Mechanical Structures	Structures around the world	PAT 1 Section A & B 4 – 8 March Controlled Test 21 Feb – 5 March
	Mechanisms that change the type of movement.	
	Components of a structure and forces acting on them	
ΡΑΤ	PAT 1 Section A: Design a model of a Water tower	
	using paper PAT 1 Section B: Make a model of a Water tower	
	using paper	
Digital Technology	Google Classroom - functionality	
	Microsoft Word:	
	Inserting and formatting text and paragraphs	
	 Modifying a document Tables and incerting prophic abiasts 	
	Tables and inserting graphic objectsControlling page appearance	
	 Printing and preparing to publish documents 	
PHASE 2 (3 April 2024 – 14 June 2024)		
Mechanical Systems and Control Digital Technology	Levers, linkages and uses	
	Types of levers	Mid-Year Exam 3 – 14 June
	Mechanical advantage calculations	
	Gear systems - terminology	
	Types of gears, gears ratio, gear train	
	Mechanical & speed advantage Microsoft Powerpoint:	
	Setting up the 5/5/5 rule	
	Global formatting	
	Use of graphs, charts and images	
	Synchronising slides with sound and music	
PHASE 3 (9 July 2024 – 22 November 2024)		
Electrical Systems and Control	Advantages and disadvantages of technology – AI, 4IR	PAT 2 A & B 26 – 30 August End of Year Exam 11 – 22 November
	Sources of energy: conventional and non-	
	conventional	
	Alternate sources of energy Electrochemical cells and batteries - AC and DC Power	
	Circuits - Series /Parallel/ Logic Control /Circuit	
	Simulator	
	Electricity for the people/electricity theft	
	Electronic Circuits - Electronic simulated circuit design	
РАТ	PAT 2 Section A: Design a model of an alarm system	
	PAT 2 Section B: Design, make and present a circuit	
	with Logic control	
Digital Technology	Microbit	
	 Introduction to Microbit language and instruction 	
	Programming Microbit	
	 Tasks 1 – 5 	
		1