

## TECHNOLOGY – GRADE 8 2017

TOPIC	ASSESSMENT STANDARDS	PORTFOLIO ASSESSMENT TASKS
<b>PHASE 1 (11 January 2017 – 31 March 2017)</b>		
<b>Structures Mechanical</b>	Roofs and Pylons	<p>☞ <b>Task1</b> Test after each section completed</p> <p>☞ <b>Task 2</b> Controlled Test 22 – 31 March</p>
	Buildings and Bridges	
	Wedges, wheels, and gears.	
	Mechanisms that change the type of movement.	
	Mini PAT: Design and make a model of a machine to crush Grain	
<b>PHASE 2 (18 April 2017 – 30 June 2017)</b>		
<b>Mechanical Systems and Control</b>	Levers, linkages, and gears	<p>☞ <b>Task 3</b> Test after each section Completed</p> <p>☞ <b>Task 4</b> Mini PAT: A mine needs a lifting system. 5 – 9 June</p> <p>☞ <b>Task 5</b> June Exam 19 – 30 June</p>
	Mechanical advantage calculations	
	Drawing gear systems Bevel gears, bicycles and systems diagrams	
	Investigate aspect mining in South Africa	
<b>PHASE 3 (24 July 2017 – 10 November 2017)</b>		
<b>Electrical Systems and Control</b>	Electrical systems	<p>☞ <b>Task 6</b> Test after each section Completed</p> <p>☞ <b>Task 7</b> End of year Exam 30 Oct – 10 Nov</p>
	Energy supply for the people	
	Electrochemical cells and batteries	
	Generating electricity for the nation	
	Mini PAT: Circuits with logic control	