

GRADE 9
TECHNOLOGY 2014

TOPIC	ASSESSMENT STANDARDS & ACTIVITIES	ASSESSMENT TASKS
Phase 1		
Structures	<ul style="list-style-type: none"> • Parts of structures • Analysing Tension and compression • Forces in frame structures • Homes, Plans, Scale • 2D Drawings of House Plans • 3D Drawings of House Plans 	Design your dream home draw plans and build a model from card
Graphic communication	All drawings to be done using Work Books <ul style="list-style-type: none"> • Drawing Technique using instruments • Constructions 	Test on Drawing techniques
Phase 2		
Systems and Control	<u>Mechanical</u> <ul style="list-style-type: none"> • Investigate Systems • Gears • Pulleys • Calculations (Mechanical advantage, Torque, Speed Ratio) • Basic Hydraulics & pneumatics 	Make a bubble blowing machine using gears, cams and pulleys
Graphic communication	All drawings to be done using work books <ul style="list-style-type: none"> • Construction s • Isometric Drawings 	Midyear Exam constructions and isometric drawings & Technology theory
Phase 3		
Systems and control	<u>Electrical</u> <ul style="list-style-type: none"> • What is electricity? • Safety when working with electricity • Electrical Circuits • Electronics • What is Electronics • LED;s, Transistors, Resistors, Capacitors 	Safety Poster Flashing LED
Graphic communication	All drawings to be done using work books <ul style="list-style-type: none"> • Orthographic Drawings (first and third angle orthographic) • Solids 	End of year exam All drawings and Technology theory

Detailed instructions in CAPS document found on the DOE website