

NWPA GUIDLINE GRADE 9 TECHNOLOGY 2018

Topic	Sub topics & Concepts
1. PROCESS SKILLS	Design Process from different scenarios (IDMEC).
2. GRAPHIC COMMUNUCATION	Three Dimensional Drawings and type of lines. <ul style="list-style-type: none"> • First angle Orthographic Projection
3. STRUCTURES (SA 1-3)	<ul style="list-style-type: none"> ➤ Structures ➤ Design process ➤ Safety
4. SYSTEM AND CONTROL MECHANICAL (SA 2)	<ul style="list-style-type: none"> ➤ Gears ➤ Gear Ratio
5. SYSTEM AND CONTROL – ELECTRICAL (SA 2)	<ul style="list-style-type: none"> ➤ Logic Gates ➤ Circuit diagram ➤ Ohm's Law
6. PROCESSING (SA1-3)	<ul style="list-style-type: none"> ➤ Re-use ➤ Recycling

GRADE 9 TECHNOLOGY COGNITIVE LEVEL ANALYSIS NWPA 2018

QUESTION	LEVEL 1	LEVEL 2	LEVEL 3	TOTAL
1.1	6			5
1.2	5			5
2.1	5			5
2.2	6			6

3	8	30		38
4			10	10
5		4	12	16
6	3	4	18	25
7				10
TOTAL MARKS	33	38	40	120
TOTAL %				100
CRITERIOR	30	40	30	100

**GRADE 9 TECHNOLOGY SKILLS, KNOWLEDGE & ATTITUDE & VALUES
NWPA 2018**

QUESTION	SKILLS	KNOWLEDGE	A & V	TOTAL
1.1	6			6
1.2	3			3
2.1		6		6
2.2	6			6
3		38		38
4		10		10
5		16		16

6			25	25
7	10			10
TOTAL MARKS	25	70	25	120
TOTAL %				
CRITERIOR	30	40	30	100

Level of difficulty	Number of items	Percentage
Easy items	21	
Moderate items	54	
Difficult items	25	
Total		100%