## **GRADE 11**



THEME				ENGINEERING GRAPHICS AND DESIGN									
SCHOOL:							DATE		Day	Mo	onth	Year	
CYCLE / WEEK	1 2	3 4	5 6	7	8 9	10			TERM			1 2 3	4
THEME	1 2	<u> </u>					N / COGNIT			EPT	UAL		<u> </u>
THEME VISUALISATION / COGNITIVE / PERCEPTUAL  INTEGRATION WITH OTHER SUBJECTS													
Business Studies		acturing			****		Human Science		.010	Ma	thema	tics	
Commerce Studies		Engineering				✓ Social Science			Computers				
Management Studies	Techno	Technology			✓ Arts and Culture				Physical Sciences				
Service Studies	Langu	ages					Agricultural Science	ces		Lif	e Scie	nces	
CONTEXT				CRITICAL OUTCOMES (CO's)					DEVELOPMENTAL OUTCOMES (DO's)				
Civil		1	1. Pro	blem s	solving				1. Learn mor	re effecti		,	П
Civii			2. Tea						2. Responsible citizens				
Mechanical		<b>✓</b>			agement			$\perp$	3. Culturally & aesthetically sensitive				$\dashv$
					and critic		rsis		Explore education & career opportunities     Entrepreneurship			+	
Electrical		✓			nd techno				3. Entrepren	eursnip			$\perp$
							ed systems						
					Skills	Knowled			ge Values including Attitud			les	
		ASSESSMENT											
NCS PRINCIPLES		(resources used in				EACHING & LEARNING STRATEGIES (Learning Activities)			ASSESSMENT ACTIVITIES (Assessment Activities / Tasks) TOOLS METHODS				
Social Transformation	Observa	tion		✓	Show	& Demo	onstrate	✓	Rating Scal	es		Self Assessment	$\Box$
Outcomes-based Education	Environ	ment			Explai	n the Te	chnology	<b>√</b>	Observation Sheets	1		Peer Assessment	
Higher knowledge & Skill	Models	Models				n the Terminology		<b>V</b>	Checklists			Group Assessment	
Integration & Applied competence	CAD -	CAD – Software				cing free	ing free hand drawings		Task Lists		<b>1</b>	Teacher Assessm.	<b>V</b>
Progression	Audio V	Audio Visual		<b>/</b>		Self made Models			Memo/Mask		External Assessm.		
Articulation & Portability	Worksh	Worksheets		✓	Design	1			Rubrics / Grids				
Human rights, Inclusivity,	Drawing	Drawing Instruments		1	Class	discussio	on		EVIDENCE COLLECTION				
Environmental & Social justice Valuing Indigenous Knowledge	`	Transparencies / OHP				Group discussion			Observation				
Systems Systems	Chalkbo			1	Group		1011		Test - based		1		+
·	Other (s		750015		_	dual wor	·k	1	Task based	•	1		+
Credibility, Quality & Efficiency													
CONTENT: LE	ARNIN			ME	S(LO	's) A		SME	ENT STA	NDA			
L01		LO2					LO3			LO4			
11.1.1 Relationship environment		11.2.1 Identify Problems		+		11.3.1 Code of Practice			11.4.1 Interpretation Drawing		ing		
11.1.2 Human Right Issues	_	11.2.1Research				11.3.2 Projects multi/pict.			11.4.2 Drawing Principles				+
11.1.3 HIV/AIDS 11.1.4 Communication		11.2.3 Final Solution				11.3.3 CAD Drawings			11.4.3 Multi & single view 11.4.4 Pictorial Drawings				+-
11.1.4 Communication 11.1.5 Entrepreneurship		11.2.4 Present solution 11.2.5 Evaluation				11.3.4 Basic design 11.3.5 Drawing Techniques			11.4.4 Fictorial Drawings 11.4.5 Sectioning multiview				+-
11.1.6 Electronic impact on	11.2.31	11.2.3 Evaluation				11.3.6 Sectional Views			11.4.6 Design Process				+
Comm.					11.3.6	Section	ai views		11.4.6 Desi	gn Proce	ess		

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11.3.7Graphic Comm. 11.3.8 Loci 11.4.7 CAD 11.4.8 Loci

## Lesson / Period Breakdown per Topic

Prior Knowledge: Grade 10 and 11 EGD.

Teacher Activities	Learner Activities	Evidence	Time	Date Comp.
Topic: SANS	Visualisation, cognitive and perceptual exercises.			
Topic: Civil / Electrical / Mechanical	Analyse drawings and answer questions based on civil, electrical and mechanical drawings	Test-based Task-based		
Topic: Single	Analyse drawings and answer questions based on civil, electrical and mechanical drawings			
Topic: Multi-view	Analyse drawings and answer questions based on civil, electrical and mechanical drawings		8	
Topic: Pictorial	Analyse drawings and answer questions based on civil, electrical and mechanical drawings			
Topic: PAT	Finalisation and submission of PAT done from term 1 to 3 on a continuous basis.	Presentation portfolio for performance evaluation.	8	

Enrichment:	Intervention Strategy	DATE TOPIC / THEME
Remedial:		COMPLETED

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