



<b>THEME</b>		<b>ENGINEERING GRAPHICS AND DESIGN</b>				
<b>SCHOOL:</b>		<b>DATE</b>		<b>Day</b>	<b>Month</b>	<b>Year</b>

<b>CYCLE / WEEK</b>	1	2	3	4	5	6	7	8	9	10	<b>TERM</b>				1	2	3	4
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<b>THEME</b>	<b>REVISION/REMEDICATION/CAD</b>																
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**INTEGRATION WITH OTHER SUBJECTS**

Business Studies	Manufacturing	✓	Human Science	Mathematics
Commerce Studies	Engineering	✓	Social Science	Computers
Management Studies	Technology	✓	Arts and Culture	Physical Sciences
Service Studies	Languages		Agricultural Sciences	Life Sciences

<b>CONTEXT</b>		<b>CRITICAL OUTCOMES (CO's)</b>		<b>DEVELOPMENTAL OUTCOMES (DO's)</b>	
Civil	✓	1. Problem solving		1. Learn more effectively	
		2. Teamwork		2. Responsible citizens	
Mechanical	✓	3. Self-management		3. Culturally & aesthetically sensitive	
		4. Research and critical analysis		4. Explore education & career opportunities	
Electrical	✓	5. Effective communication		5. Entrepreneurship	
		6. Science and technology			
		7. The world as a set of related systems			
		<b>Skills</b>	<b>Knowledge</b>	<b>Values including Attitudes</b>	

<b>NCS PRINCIPLES</b>	<b>ASSESSMENT</b>					
	<b>LTSM</b> (resources used in teaching & learning)	<b>TEACHING &amp; LEARNING STRATEGIES</b> (Learning Activities)	<b>ASSESSMENT ACTIVITIES</b> (Assessment Activities / Tasks)			
			<b>TOOLS</b>	<b>METHODS</b>		
Social Transformation	Observation	✓	Show & Demonstrate	✓	Rating Scales	Self Assessment
Outcomes-based Education	Environment		Explain the Technology	✓	Observation Sheets	Peer Assessment
Higher knowledge & Skill	Models	✓	Explain the Terminology	✓	Checklists	Group Assessment
Integration & Applied competence	CAD – Software	✓	Producing free hand drawings		Task Lists	✓ Teacher Assesm.
Progression	Audio Visual	✓	Self made Models		Memo/Mask	✓ External Assesm.
Articulation & Portability	Worksheets	✓	Design		Rubrics / Grids	✓
Human rights, Inclusivity, Environmental & Social justice	Drawing Instruments	✓	Class discussion	<b>EVIDENCE COLLECTION</b>		
Valuing Indigenous Knowledge Systems	Transparencies / OHP	✓	Group discussion	Observation	✓	
	Chalkboard / Posters	✓	Group work	Test - based	✓	
Credibility, Quality & Efficiency	Other (specify)		Individual work	Task based	✓	

**CONTENT: LEARNING OUTCOMES(LO's) AND ASSESSMENT STANDARDS(AS's)**

<b>LO1</b>		<b>LO2</b>		<b>LO3</b>		<b>LO4</b>	
11.1.1 Relationship environment	11.2.1 Identify Problems	11.3.1 Code of Practice	11.4.1 Interpretation Drawing				
11.1.2 Human Right Issues	11.2.1 Research	11.3.2 Projects multi/pict.	11.4.2 Drawing Principles				
11.1.3 HIV/AIDS	11.2.3 Final Solution	11.3.3 CAD Drawings	11.4.3 Multi & single view				
11.1.4 Communication	11.2.4 Present solution	11.3.4 Basic design	11.4.4 Pictorial Drawings				
11.1.5 Entrepreneurship	11.2.5 Evaluation	11.3.5 Drawing Techniques	11.4.5 Sectioning multiview				
11.1.6 Electronic impact on Comm.		11.3.6 Sectional Views	11.4.6 Design Process				
		11.3.7 Graphic Comm.	11.4.7 CAD				
		11.3.8 Loci	11.4.8 Loci				

**Lesson / Period Breakdown per Topic**

**Prior Knowledge:** Grade 11 term 1, 2, 3.

<b>Teacher Activities</b>	<b>Learner Activities</b>	<b>Evidence</b>	<b>Time</b>	<b>Date Comp.</b>
<b>Topic:</b> Revision	Revise and remediate concepts and content that still present a challenge.			
<b>Topic:</b> CAD	CAD.			

<b><u>Intervention Strategy</u></b>		<b><u>DATE TOPIC / THEME COMPLETED</u></b>
<b><u>Enrichment:</u></b>		
<b><u>Remedial:</u></b>		