

2021 Annual Teaching Plan: Term 1 Mechanical Technology: Welding & Metalwork Grade 12

TERM 1 (45days)		Week 1 27-29 January (3 days)	Week 2 1-5 February	Week 3 8-12 February	Week 4 15-19 February	Week 5 22-26 February	Week 6 1-5 March	Week 7 8-12 March	Week 8 15-19 March	Week 9 23-26 March (4 days)	Week 10 29-31 March (3 days)
CAPS Topics		Safety	Safety	Safety	Tools and PAT	Tools and PAT	Materials and PAT	Materials and PAT	Remediate, PAT Consolidation	Revision	Assignment
Topics /Concepts, Skills and Values		First Aid HIV/Aids Awareness OHS act Machine specific safety measures	First Aid HIV/Aids Awareness OHS act Machine specific safety measures	First Aid HIV/Aids Awareness OHS act Machine specific safety measures	Purpose-made tooling and equipment	Purpose-made tooling and equipment	Properties and Uses Methods of enhancing the properties of steel	Properties and Uses Methods of enhancing the properties of steel	Safety Tools Materials	Safety Tools Materials	
Assessment	Informal Assessment: Remediation	Class test			Class test		Class test				
	SBA (Formal)	<p style="text-align: center;">Assignment PAT - Phase 1</p> <p style="text-align: center;">The legislation governing workplaces in relation to COVID – 19 is the Occupational Health and Safety Act, Act 85 of 1993, as amended, read with the Hazardous Biological Agents Regulations. Section 8 (1) of the Occupational Health and Safety (OHS) Act, Act 85 of 1993,</p> <p style="text-align: center;">Safe work practices are types of administrative controls that include procedures for safe and proper work used to reduce the duration, frequency, or intensity of exposure to a hazard. Examples of safe work practices for SARS-CoV-2 include. Requiring regular hand washing or using of alcohol-based hand rubs. Learners and teachers should always wash hands when they are visibly soiled and after removing any PPE. Keep safe distances and wear a mask at all times.</p> <p style="text-align: center;">See the document on the workshop safety measures</p>									

2021 Annual Teaching Plan: Term 2 Mechanical Technology: Welding & Metalwork Grade 12

TERM 2 (51 days)		Week 1 13 – 16 April (4 days)	Week 2 19 – 23 April (5 days)	Week 3 28 – 30 April (3 days)	Week 4 3 – 7 May (5 days)	Week 5 10 – 14 May (5 days)	Week 6 17 – 21 May (5 days)	Week 7 24 -28 May (5 days)	Week 8 31 May - 4 June (5 days)	Week 9 7 – 11 June (5 days)	Week 10 14 – 18 June (4 days)	Week 11 21 – 25 June (5 days)
CAPS Topics (NO DEVIATIONS FROM CAPS)		Forces (Specific) and PAT	Forces (Specific) and PAT	Forces (Specific) and PAT	Forces (Specific) and PAT	Joining methods (Inspection of welds) (Specific) and PAT	Joining methods (Inspection of welds) (Specific) and PAT	Joining methods (Stresses and distortion) (Specific) and PAT	Joining methods (Stresses and distortion) (Specific) and PAT	Remediate, PAT Consolidation	Revision	PAT Simulation
Topics /Concepts, Skills and Values		Effects of forces moments and torques System of forces Moments, Stress and strain	Effects of forces moments and torques System of forces Moments, Stress and strain	Effects of forces moments and torques System of forces Moments, Stress and strain	Effects of forces moments and torques System of forces Moments, Stress and strain	Inspection of welds As prescribed in CAPS	Inspection of welds As prescribed in CAPS	Destructive tests Non-destructive tests Distortion and stresses Effect of temperature	Destructive tests Non-destructive tests Distortion and stresses Effect of temperature			
Assessment	Informal Assessment	Classwork/case studies/worksheets/homework/class tests (Theory and practical work)										
	SBA (Formal)	PAT Simulation PAT - Phase 2										
		<p>The legislation governing workplaces in relation to COVID – 19 is the Occupational Health and Safety Act, Act 85 of 1993, as amended, read with the Hazardous Biological Agents Regulations. Section 8 (1) of the Occupational Health and Safety (OHS) Act, Act 85 of 1993,</p> <p>Safe work practices are types of administrative controls that include procedures for safe and proper work used to reduce the duration, frequency, or intensity of exposure to a hazard. Examples of safe work practices for SARS-CoV-2 include. Requiring regular hand washing or using of alcohol-based hand rubs. Learners and teachers should always wash hands when they are visibly soiled and after removing any PPE. Keep safe distances and wear a mask at all times.</p> <p>See the document on the workshop safety measures</p>										

2021 Annual Teaching Plan:Term 3 Mechanical Technology: Welding & Metalwork Grade 12

TERM 3 (52 days)		Week 1 13 – 16 July (4 days)	Week 2 19 – 23 July (5 days)	Week 3 26 – 30 July (5 days)	Week 4 2 - 6 Aug (5 days)	Week 5 10 - 13 Aug (4 days)	Week 6 16 – 20 August (5 days)	Week 7 23 – 27 August (5 days)	Week 8 30 Aug - 3 Sept (5 days)	Week 9 21 - 23 Sept (3 days)	Week 9 6 - 10 Sept (5 days)	Week 10 13 - 17 Sept (5 days)	Week 11 20 - 23 Sept (4 days)	
CAPS Topics (NO DEVIATIONS FROM CAPS)		Maintenance (Specific) and PAT	Maintenance (Specific) and PAT	Terminology (Development)(Specific)	Terminology (Development)(Sp ecific) and PAT	Terminology (Development)(Specific and PAT	Remediate PAT finalisation and Consolidation		Revision	Trial exam	Trial exam	Trial exam	Trial exam	
Topics /Concepts, Skills and Values		Maintenance on various operating systems As prescribed in CAPS	Maintenance on various operating systems As prescribed in CAPS	Marking off template by calculation only; A cone Square to round transformers (on centre) square or rectangular hoppers openings	Marking off template by calculation only; A cone Square to round transformers (on centre) square or rectangular hoppers openings	Marking off template by calculation only; A cone Square to round transformers (on centre) square or rectangular hoppers openings								
Assessment	Informal Assess ment: Remedia tion	Classwork/case studies/worksheets/homework/class tests (Theory and practical work)												
	SBA (Formal)	<p style="text-align: center;">Preparatory Examination PAT - Phase 3 and 4 finalisation</p> <p>The legislation governing workplaces in relation to COVID – 19 is the Occupational Health and Safety Act, Act 85 of 1993, as amended, read with the Hazardous Biological Agents Regulations. Section 8 (1) of the Occupational Health and Safety (OHS) Act, Act 85 of 1993,</p> <p>Safe work practices are types of administrative controls that include procedures for safe and proper work used to reduce the duration, frequency, or intensity of exposure to a hazard. Examples of safe work practices for SARS-CoV-2 include. Requiring regular hand washing or using of alcohol-based hand rubs. Learners and teachers should always wash hands when they are visibly soiled and after removing any PPE. Keep safe distances and wear a mask at all times.</p> <p style="text-align: center;">See the document on the workshop safety measures</p>												

2021 Annual Teaching Plan:Term 4 Mechanical Technology: Welding &Metalwork Grade 12

TERM 4 (47days)		TERM 4 (47 days)	Week 1 5 - 8 Oct (4 days)	Week 2 11 – 15 Oct (5 days)	Week 3 18 – 22 Oct (5 days)	Week 4 25 – 29 Oct (5 days)	Week 5 26 - 30 Oct (5 days)	Week 6 1 - 5 Nov (5 days)	Week 7 8 - 12 Nov (5 days)	Week 8 15 - 19 Nov (5 days)	Week 9 - 11 22 Nov – 8 Dec (15 days)
CAPS Topics (NO DEVIATIONS FROM CAPS)		Terminology (Development)(Specific)	Terminology (Development)(Specific)	Remediate and Revision			Exams				
Topics /Concepts, Skills and Values		Marking off template by calculation only; A cone Square to round transformers (on centre) square or rectangular hoppers openings	Marking off template by calculation only; A cone Square to round transformers (on centre) square or rectangular hoppers openings								
Assessment	Informal Assessment: Remediation	Classwork/case studies/worksheets/homework/class tests (Theory and practical work)									
	SBA (Formal)	PAT				FINAL EXAMINATION					