

2023/24 ANNUAL TEACHING PLANS: AGRICULTURAL TECHNOLOGY: GRADE 12 (TERM 1)

TERM 1	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10	WEEK 11
CAPS TOPIC	(CAPS PG. 28) SAFETY				(CAPS PG. 29) STRUCTURAL MATERIALS			(CAPS PG. 30) ENERGY			
CONCEPTS, SKILLS AND VALUES	Safety hazards, OHS Act, hazards associated with the farm environment	Tractor safety, noise pollution, basic general safety regulations	Metal alloys	Synthetic materials	Electric fences, parts of electric fences	Alternative energy: Wind, solar			Geothermal energy, bioenergy	Revision	
REQUISITE PRE-KNOWLEDGE	Link with safety, structural materials, energy in Grades 10 and 11										
RESOURCES (OTHER THAN TEXTBOOK) TO ENHANCE LEARNING	Past examination papers		Past examination papers	Past examination papers	Past examination papers	Past examination papers					
INFORMAL ASSESSMENT, REMEDIATION	Questions from past papers, tests, practical work		Questions from past papers, tests, practical work	Questions from past papers, tests, practical work	Questions from past papers, tests, practical work			Questions from past papers, tests, practical work			
SBA (FORMAL ASSESSMENT)	<i>First part of PAT must be handed out to the learners Learners are given three weeks to complete the design portfolio</i>					<i>Learners must start with the manufacturing of the PAT project/product in week 4 of term 1 Four half-hour periods must be allocated for this per cycle/week or afternoons</i>				TASK 2: TEST 1 (75%) – Not shorter than 100 marks	
	TASK 1: PRACTICAL TASK: (25%) Not shorter than 50 marks <i>The practical task must be handed out in the first week of the term and learners must hand it in at the end of the first term</i>										

2023/24 ANNUAL TEACHING PLANS: AGRICULTURAL TECHNOLOGY: GRADE 12 (TERM 2)

TERM 2	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10	WEEK 11
CAPS TOPIC	(CAPS PG. 31) CONSTRUCTION PROCESSES	(CAPS PG. 31) TOOLS AND EQUIPMENT		(CAPS PG. 31) SYSTEMS		(CAPS PG. 32) TOOLS AND EQUIPMENT	(CAPS PG. 33) IRRIGATION AND WATER SUPPLY				
CONCEPTS, SKILLS AND VALUES	Welding, oxy-acetylene and plasma cutting	Tools, equipment, mechanised implements and systems, harvesting or processing machines/equipment		Tractor systems: Tractor hydraulic system, 3-point coupling of a tractor, mass displacement and pulling force of a tractor, drive systems		Components of the drive system of a vehicle, economics associated with tractors, equipment and tools, pneumatic and hydraulic tools	Overhead irrigation systems	Irrigation scheduling, water content measuring techniques and devices used in conjunction with effective water scheduling, wastewater removal, types of drainage systems, water purification/softening and filtration systems			Revision
REQUISITE PRE-KNOWLEDGE	Link with construction processes, tools and equipment and irrigation and water supply in Grade 10 and 11										
RESOURCES (OTHER THAN TEXTBOOK) TO ENHANCE LEARNING	Past examination papers	Past examination papers		Past examination papers		Past examination papers	Past examination papers				
INFORMAL ASSESSMENT, REMEDIATION	Questions from past papers, tests, practical work	Questions from past papers, tests, practical work		Questions from past papers, tests, practical work		Questions from past papers, tests, practical work	Questions from past papers, tests, practical work				
SBA (FORMAL ASSESSMENT)										TASK 3: FORMAL EXAM (100%) Not shorter than 200 marks, 3 hours OR CONTROLLED TEST (100%)	

2023/24 ANNUAL TEACHING PLANS: AGRICULTURAL TECHNOLOGY: GRADE 12 (TERM 3)

TERM 3	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8-11
CAPS TOPIC	(CAPS PG. 33) COMMUNICATION (ALREADY DEALT WITH DURING THE YEAR AND IN PAT)	(CAPS PG. 33) DRAWINGS (ALREADY DEALT WITH DURING THE YEAR AND IN PAT)	(CAPS PG. 33) MEASUREMENTS, CALCULATIONS AND CALIBRATIONS (ALREADY DEALT WITH DURING THE YEAR AND IN PAT)					TASK 4: TRIAL EXAMINATION (100% of term mark) PAPER Marks: 200 Time: 3 hours <i>Learners must answer all 6 questions.</i> Section A Question 1 (40 marks) <ul style="list-style-type: none"> Short questions, objective questions e.g., MCQ, terminology, columns/statements and items (40 marks) – covers all content areas Section B <ul style="list-style-type: none"> Question 2 (35 marks): Structural materials and related drawings, measurements and safety Question 3 (20 marks): Electric energy and related tools, materials and safety Question 4 (35 marks): Skills and construction processes and related tools, materials, drawings, measurements and safety Question 5 (40 marks): Tools, implements and equipment and related tools, materials, drawings, calibrations and safety Question 6 (30 marks): Irrigation and water supply, related tools, materials, drawings, measurements and communication See CAPS for cognitive levels
CONCEPTS, SKILLS AND VALUES	Introduction to agricultural related computer control programs, computer technology information, types of communication systems, sources of knowledge, skills and information	Interpret building plans, produce free-hand design drawings of structures, buildings or implements, introduce learners to basic software programs for designing buildings, structures or machine parts	Refer to PAT and simulations – problem solving in data collected, use data, effective use of tools				REVISION/ CONSOLIDATION	
REQUISITE PRE-KNOWLEDGE	Link with irrigation and water supply, communication, drawings, measurements, calculations and calibrations from Grade 10 and 11							
RESOURCES (OTHER THAN TEXTBOOK) TO ENHANCE LEARNING	Past examination papers						REVISION BOOKLET/PAST EXAM PAPERS	
INFORMAL ASSESSMENT, REMEDIATION	Questions from past papers, tests, practical work							
SBA (FORMAL ASSESSMENT)	Task 5: PAT must be completed in this term. Marks must be awarded according to the guidelines provided for the final product.							

2023/24 ANNUAL TEACHING PLANS: AGRICULTURAL TECHNOLOGY: GRADE 12 (TERM 4)

TERM 4	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5-10
CAPS TOPIC	Revision booklet/past exam papers	Revision booklet/ past exam papers	Revision booklet/past exam papers	Revision booklet/past exam papers	<p>TASK 6: FINAL NSC EXAMINATION (50%)</p> <p>PAPER Marks: 200 Time: 3 hours <i>Learners must answer all 6 questions.</i></p> <p>Section A: Question 1 (40 marks) • Short questions, objective questions e.g., MCQ, terminology, columns/statements and items (40 marks) – covers all content areas</p> <p>Section B • Question 2 (35 marks): Structural materials and related drawings, measurements and safety • Question 3 (20 marks): Electric energy and related tools, materials and safety • Question 4 (35 marks): Skills and construction processes and related tools, materials, drawings, measurements and safety • Question 5 (40 marks): Tools, implements and equipment and related tools, materials, drawings, calibrations and safety • Question 6 (30 marks): irrigation and water supply, related tools, materials, drawings, measurements and communication</p> <p>See CAPS for cognitive levels</p>
SBA (FORMAL ASSESSMENT)	Revision tests and previous question papers/Prepare for task 6 final examination (<i>SBA: 25%, PAT: 25%, FINAL EXAMINATION: 50%</i>)				