

2021 Post – Covid: ATP: Grade 10 – Term 1: **WOODWORKING**

TERM 1 (45 days)	Week 1 27-29 Jan (3 days)	Week 2 1-5 Feb (5 days)	Week 3 8-12 Feb (5 days)	Week 4 15-19 Feb (5 days)	Week 5 22-26 Feb (5 days)	Week 6 1-5 March (5 days)	Week 7 8-12 March (5 days)	Week 8 15-19 March (5 days)	Week 9 23-26 March (4 days)	Week 10 29-31 March (3 days)	
CAPS Topics	INTRODUCTION OCCUPATIONAL HEALTH AND SAFETY ACT 85 of 1993 (OHS)	INTRODUCTION OCCUPATIONAL HEALTH AND SAFETY ACT 85 of 1993 (OHS)	Materials: (GENERIC)	Materials: (GENERIC)	Materials: (SPECIFIC)	Materials: (SPECIFIC)	Equipment and Tools (GENERIC)	Equipment and Tools (SPECIFIC)	GRAPHICS AS MEANS OF COMMUNICATION –(GENERIC), PAT	COMPLETION OF ASSIGNMENT/PAT SIMULATION	
Topics /Concepts, Skills and Values	Requirements of the OHS Act pertaining to: Personal safety: • Clothing • Head protection • Eye and ear protection • Footwear General safety HIV/Aids awareness Awareness of substance abuse: • Drugs • Alcohol	Safety and health aspects associated with storage of materials: • On site • In workshops • Hazardous materials in the workplace. E.g. solids, liquids, gases and radioactive material Definition and advantages associated with good housekeeping practice in the workshop and on site	Basic properties of materials of: • Concrete • Screed • Mortar • Coarse aggregate • Fine aggregates • Cement • Lime • Water	Timber hard wood, soft wood and board products: • Saligna • Meranti • SA pine • Shutter board • Ply wood • Block board • Tempered and standard masonite (hard board)	Bricks and Blocks: • Clay and Cement Metal: Ferrous metals: • Grey cast iron, Ductile cast iron, Wrought iron, Malleable iron, Low carbon steel, Stainless steel Non-ferrous metals: • Aluminium, Bronze, Copper, Lead, Tin, Zinc	Adhesives: PVC adhesives, Silicone, Mastic sealants Synthetic materials: Thermoplastics, Thermosetting plastics, Polythene, Polypropylene, Polyvinyl chloride Sketch and labels of the cross-section of a tree trunk. Description and sketches of the following timber defects: Heart shake, Cup shake, Star shake, Waney edges, Knots	Identification and proper use of the following: Basic site equipment: Bricklaying tools: Setting out tools: Jointing Tools: Woodworking tools:	Identification and proper use of the following: Plumbing tools: Identification of the following: Measuring and setting out tools: • Mortise gauge • Folding rule Cutting tools: Knocking tools: • Warrington (cross peen) hammer Files (Rasps): • Round file • Half round file	Introduction to graphics as means of communication: • Application of SANS 0143 Building regulations in all drawings • Types of lines; dimensioning and labelling (Code of Practice – SANS) • Basic freehand sketching (related to building industry)	Completion of the assignment Completion of first phase of PAT – simulation.	
Requisite pre-knowledge	Personal safety, general safety, safety and health aspects associated with storage of materials, HIV/Aids and awareness of substance abuse	Personal safety, general safety, safety and health aspects associated with storage of materials, HIV/Aids and awareness of substance abuse	Basic knowledge on materials: concrete, mortar, timber, bricks, blocks, metals, adhesives and synthetic materials	Basic knowledge on materials: concrete, mortar, timber, bricks, blocks, metals, adhesives and synthetic materials,	Basic knowledge on materials: concrete, mortar, timber, bricks, blocks, metals, adhesives and synthetic materials,	Basic knowledge on materials: concrete, mortar, timber, bricks, blocks, metals, adhesives and synthetic materials	Knowledge on basic site equipment: Bricklaying tools: Setting out tools: Woodworking tools	Knowledge on basic site equipment: Bricklaying tools: Setting out tools: Woodworking tools	Pre knowledge of Grade 9 technology drawings. Knowledge of Technology Mini PAT should be established by the teacher.		
Resources (other than textbook) to enhance learning	Practical work can be done to expose learners to the real-life situation. YouTube, videos, etc. Learners can do simulations of first aid as explained in the textbook.		Materials as indicated in the content	Materials as indicated in the content. Wall charts, videos on materials, etc.	Videos, YouTube, power point presentations, data projector, interactive whiteboard, etc. Materials as indicated in the content		Equipment and tools as indicated in the content topic. Site visit can be arranged to explain practical work. Basic materials must be shown as sizes are important. Workshop can be visited to explain the parts of the machines				
Assessment	Informal class test Work sheets Assignments	Informal class test Work sheets Assignments	Informal class test Work sheets Assignments	Informal class test Work sheets Assignments	Informal class test Work sheets Assignments.		Informal class test Work sheets Assignments		PAT Simulation Assignments		
	SBA Formal Assessment	<p>Assignment PAT- Simulation 1</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,- 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. See the document on the workshop safety measures.</p>									

**01-12 April 2021
School holiday**

2021 Post – Covid: National Revised ATP: Grade 10 – Term 2: **WOODWORKING**

TERM 2 (54 days)	Week 1 13-16 April (4 days)	Week 2 19-23 April (4 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	Graphics as means of communication	Graphics as means of communication	Graphics as means of communication	Graphics as means of communication	Graphics as means of communication	Graphics as means of communication	QUANTITIES (GENERIC)	Revision	Midyear Examination	Midyear Examination	Midyear Examination
Topics /Concepts, Skills and Values	Make basic drawings by applying various scales: • Orthographic projection • Isometric views • Instruments and instrument drawings • Floor plan only of a two room rectangular building • Introduction to computer-aided drawings	Make basic drawings by applying various scales: • Orthographic projection • Isometric views • Instruments and instrument drawings • Floor plan only of a two room rectangular building • Introduction to computer-aided drawings	Freehand sketching of the following workbench accessories: • Bench hook • Shooting board • Push stick Sketches in good proportion of the following: • Longitudinal half lap joint • Corner half lap joint	Freehand sketching of the following workbench accessories: • Bench hook • Shooting board • Push stick Sketches in good proportion of the following: • Longitudinal half lap joint • Corner half lap joint	Scale drawings of the following: • Vertical section through the frame head and top rail of a door • Cross-sectional views of a solid and laminated beam measuring 70 mm thick and 225 mm wide An isometric drawing of a timber wedge	Scale drawings of the following: • Vertical section through the frame head and top rail of a door • Cross-sectional views of a solid and laminated beam measuring 70 mm thick and 225 mm wide An isometric drawing of a timber wedge	Calculate the following: • Volume of concrete for a straight trench				
Requisite pre-knowledge	Learners prior knowledge of communication in Technology. Knowledge of scales, orthographic projection as done in Grade 9 Technology. Learner's prior knowledge of communication in Technology Drawing skills as in grade 9 and in the first term.				Knowledge of scale, orthographic drawings, floorplans and sketching is important. Knowledge on wood, doors, beams, etc.		Basic mathematical skills required.				
Resources (other than textbook) to enhance learning	Drawing equipment Equipment and materials needed for mouldings.				Wall charts needed as described in the content topic. Drawing equipment. Videos can be shown to learners.		Calculation of quantities for a simple structure up to floor level. Volumes, areas, linear				
Assessment	Make use of materials and test learner's ability to draw or sketch of a basic floorplan. Complete drawings on worksheets. Visit a computer lab and expose learners to hardware.				Testing – worksheets, informal test, etc. Quick sketches to enhance drawing techniques.		Worksheets-identification and uses. Practical work to enhance learning. Tests. Drawings of a vertical section through a frame head.				

26 June-12 July
School Holiday

	SBA Formal Assessment	Term 2 – None (June examination) PAT- Phase 2)	
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2021 Post – Covid: National Revised ATP: Grade 10 – Term 3: **WOODWORKING**

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 Aug (5 days)	Week 7 23-27 Aug (5 days)	Week 8 30-31Aug- 3 Sept (5 days)	Week 9 6-10 Sept (5 days)	Week 10 13-17 Sept (5 days)	Week 11 20-23 Sept (3 days)
CAPS Topics		QUANTITIES (SPECIFIC)	QUANTITIES (SPECIFIC)	QUANTITIES (SPECIFIC)	JOINING (GENERIC)	JOINING (GENERIC)	JOINING (SPECIFIC)	JOINING (SPECIFIC)	CASEMENTS (SPECIFIC)	CASEMENTS (SPECIFIC)	COMPLETION OF PAT	CONSOLIDATION, REVISION AND ASSESSMENT OF PAT AND TERM TEST
Topics /Concepts, Skills and Values		Calculation of materials and sundry items for a simple bathroom cabinet with framed door/s to house a mirror, glass or flat panel.	Calculation of materials and sundry items for a simple bathroom cabinet with framed door/s to house a mirror, glass or flat panel Cutting list for the following doors: • One and two panel doors with flat panels,	Calculation of materials and sundry items for a simple bathroom cabinet with framed door/s to house a mirror, glass or flat panel Cutting list for the following doors: • One and two panel doors with flat panels, • Ledge batten	Identify and explain the uses of: Screws: • Countersunk head, Round head, Raised head, Jetting screw, Drywall screw, Self-cutting bolt, Head screw, Drill tip bolt head screw, Coach screw. Advantages of using screws over nails.	Identify and explain the uses of: Nails: • Round wire, Masonry, Clout nail, Steel cut nail, Oval nail, Panel pin, Clout nail, Brad nails Advantages of using nails over screws	Sketches and application of the following joints: • Tongue and groove • Finger joint • Butt • Dowel joint	Properties, uses, precautions and applications of water resistant adhesives for timber	Sketches of vertical sections through the following frame members of a casement: • Frame head • Frame stile • Sill	Sketches of vertical sections through the following frame members of a casement: • Frame stile • Sill	COMPLETION OF THIRD PHASE OF PAT –	REVISION TERM TEST
Requisite pre-knowledge		Basic mathematical skills. Pre-knowledge on calculations. Knowledge on doors and panels			Materials for eg: Nails and screws.		Sketches work. Scale drawings – how to interpret drawings. Knowledge on glues.		Sketches work. Scale drawings – how to interpret drawings.			
Resources (other than textbook) to enhance learning		The start of the term – questions and answers. Worksheets with excavations from collapsing only. Drawings and sketches can be made. Emphasis on sketching			YouTube, wall charts, work sheets, etc.		YouTube, wall charts, etc.		YouTube, wall charts, Models of Casements etc.			
Assessment	Informal Assessment: Remediation	Work sheets Class and homework activities Informal class tests			Work sheets Class and homework activities Informal class tests							Term test
	SBA Formal Assessment	Term 3 – Term test (To be school based and written during a normal period in the school day) PAT- PAT- Phase 3										

24 Sept – 04 Oct
School Holiday

2021 Post – Covid: National Revised ATP: Grade 10 – Term 4: **WOODWORKING**

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 1-5Nov (5 days)	Week 6 8-12 Nov (5 days)	Week 7 15-19 Nov (5 days)	Week 8 22-26 Nov (5 days)	Week 9 29-30 Nov-3 Dec (5 days)	Week 10 6-8 Dec (3 days)
CAPS Topics	CASEMENT	CASEMENT	CASEMENT	DOORS	DOORS	DOORS	CONSOLIDATION,FINAL EXAM AND ASSESSMENT OF PAT	CONSOLIDATION,FINAL EXAM AND ASSESSMENT OF PAT	CONSOLIDATION,FINAL EXAM AND ASSESSMENT OF PAT	CONSOLIDATION,FINAL EXAM AND ASSESSMENT OF PAT
Topics /Concepts, Skills and Values	Sketches of vertical sections through the following members of a casement: • Top rail • Stile NB: Complete PAT for Grade 10.	Sketches of vertical sections through the following members of a casement: • Bottom rail • Glazing bars	Identification of various members of an external elevation of a single casement within a frame with no glazing bar	Internal doors: Drawing of the front elevations, horizontal sections, application and constructional details of the following doors: • Hollow core flush panel door • Solid laminated flush panel door	The option of using alternate materials as panels for flush panels	Doors. Methods of edging doors.	Consolidation, revision and assessment of PAT			
Requisite pre-knowledge	Pre- knowledge of casements	Pre- knowledge of casements	Pre- knowledge of casements	Pre- knowledge of doors	Pre- knowledge of doors	Pre- knowledge of doors	Demonstrate mastered content knowledge			
Resources (other than textbook) to enhance learning	Materials, wall charts, physical examples, YouTube, etc.	Materials, wall charts, physical examples, YouTube, etc.	Materials, wall charts, physical examples, YouTube, etc.	Materials, wall charts, physical examples, YouTube, etc.	Materials, wall charts, physical examples, YouTube, etc.	Materials, wall charts, physical examples, YouTube, etc.	Previous question papers and marking guidelines			
Assessment	Informal Assessment: Remediation	Work sheets Class and homework activities Informal class tests			Work sheets Class and homework activities Informal class tests		Previous question papers and marking guidelines			
	SBA (Formal)	Final examination Assessment of the PAT								

9 Dec– 00 Jan
School Holiday