

2021 Post – Covid: National Revised ATP: Grade 11 – Term 1: **CIVIL TECHNOLOGY: WOODWORKING**

TERM 1 (45 days)	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	
CAPS Topics	INTRODUCTION OCCUPATIONAL HEALTH AND SAFETY ACT 85 of 1993 (OHS)	MATERIALS (GENERIC)	MATERIALS (GENERIC)	MATERIALS: (GENERIC)	MATERIALS: (SPECIFIC)	MATERIALS: (SPECIFIC)	EQUIPMENT AND TOOLS (GENERIC)	EQUIPMENT AND TOOLS (GENERIC)	EQUIPMENT AND TOOLS (Subject SPECIFIC)	Assessment consolidation Graphics as means of communication (GENERIC)	
Topics /Concepts, Skills and Values	Application of the OHS Act pertaining to: Personal safety: General safety: Safety and health aspects associated with storage of materials: HIV/Aids: Preventative measures Awareness of substance abuse: • Drugs Alcohol	Application and uses of the following: Timber: Hard wood, softwood and board products: Bricks and Blocks: • Clay and cement	Metal: Ferrous metals: Non-ferrous metals: Alloys: Glass: Properties and uses of: • Clear sheet glass • Translucent glass • Safety glass	Application and uses of the following: Timber: Hard wood, softwood and board products: Bricks and Blocks: • Clay and cement	Metal: Ferrous metals: Non-ferrous metals: Alloys: Glass: Properties and uses of: • Clear sheet glass • Translucent glass • Safety glass	Synthetic materials: • Thermoplastics • Thermosetting plastics • Polythene, Polypropylene, Polyvinyl chloride Classification according to use and quality and sketches of: Clay bricks: Clay blocks: Concrete blocks:	Seasoning of timber: • Definition of seasoning of timber • Description of artificial and natural methods of seasoning • Advantages and disadvantages of artificial and natural methods of seasoning • Reasons • Advantages of seasoning timber	• Identification of parts, accessories and uses of the following construction machines: Generator (electricity supply), Concrete mixer, Plate compactor, Rammer, Identification and use of the following equipment: Table saw, Band saw, Thicknesser / surface planer, Spindle moulder, Radial arm saw, Drill press, Combination belt and disc sander and Lathe	Identification of parts and uses of the following portable woodworking machines: • Jig saw • Belt sander • Orbital sander • Router • Electric plane	Make advanced drawings by applying various scales: Instrument drawings (related to building industry) Orthographic projection with sections Different elevations of a building Vertical sections indicating labelling and measurements in accordance with the SANS for building drawings Isometric views applicable to construction Freehand sketches relevant to the super structure of a building Basic computer- aided drawings Interpretation of drawings: Site plan, floor plan and elevation of a basic single storey dwelling Basic drawing symbols relating to the built environment in accordance with the SANS for building drawings	01-12 April 2021 School holiday
Requisite pre- knowledge	Requirements of the OHS Act pertaining to: Personal safety, general safety, safety and health aspects associated with storage of materials, HIV/Aids	Basic properties of materials and ingredients of: concrete, screed, mortar, timber, bricks, blocks, metals, synthetic	Basic properties of materials and ingredients of: concrete, screed, mortar, timber, bricks, blocks, metals, adhesives	Manufacturing processes of clay bricks, face, semi- face,stock, cement bricks	Description and sketches of the following timber defects: • Heart shake, Cup shake, Star shake, Waney edges and Knots	Description and sketches of the following timber defects: • Heart shake, Cup shake, Star shake, Waney edges and Knots	Identification and proper use of the following: Basic site equipment: Bricklaying tools: Setting out tools:	Pre- knowledge of machines as in Grade 11. Safety aspects of the above machines. Materials.	Pre- knowledge of machines as in Grade 11. Safety aspects of the above machines. Materials.		
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 Assessment: Remediation	Informal class test Work sheets Assignments	Informal class test Work sheets Assignments	Do practical work to indicate the different materials.	Informal class test Work sheets Assignments	Informal class test Work sheets Assignments	Informal class test Work sheets Assignments		
	SBA Formal Assessment	<p>Assignment</p> <p>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,-</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 Post – Covid: National Revised ATP: Grade 11 – Term 2: CIVIL TECHNOLOGY: WOODWORKING

TERM 2 (54 days)	Week 1 (4 days)	Week 2 (4 days)	Week 3 (3 days)	Week 4 (5 days)	Week 5 (5 days)	Week 6 (5 days)	Week 7 (5 days)	Week 8 (5 days)	Week 9 (5 days)	Week 10 (4 days)	Week 11 (5 days)	
CAPS Topics	GRAPHICS AS MEANS OF COMMUNICATION (GENERIC)	GRAPHICS AS MEANS OF COMMUNICATION (SPECIFIC)	QUANTITIES: (SPECIFIC)	QUANTITIES: (SPECIFIC)	QUANTITIES: (SPECIFIC)	JOINING (Generic) + (SPECIFIC)	JOINING (Generic) + (SPECIFIC)	CASEMENT (SPECIFIC)	CASEMENT (SPECIFIC)	REVISION/ENRICHMENT	ASSIGNMENT	
Topics /Concepts, Skills and Values	Application and sketches of the profiles in good proportion of the following mouldings: Different types of skirtings, Architraves, Dado rails, Quadrant, Scotia, Cornice, Rebate, Planted mould, Stuck mould and Oval mould	Scale drawings of the following: • Solid core flush panel door • Vertical section through the bottom rail of a casement and the sill with the glass in position. A horizontal section through a part of a casement showing the vertical glazing bar, casement stile and pane in position	Calculate the materials required to erect a ceiling for a room measuring 4.5 metres long and 3 metres wide. Include the. Cornice Calculate the length of skirting required for a room measuring 5 metres long and 3.5 metres wide with a door opening of 900 mm.	Calculate the materials required to erect a ceiling for a room measuring 4.5 metres long and 3 metres wide. Include the. Cornice Calculate the length of skirting required for a room measuring 5 metres long and 3.5 metres wide with a door opening of 900 mm.	Calculate the materials required to erect a ceiling for a room measuring 4.5 metres long and 3 metres wide. Include the. Cornice Calculate the length of skirting required for a room measuring 5 metres long and 3.5 metres wide with a door opening of 900 mm.	(Generic) - Properties, use precautions and applications of the following: See CAPS (Specific) - Application, uses and drawings of the following woodworking joints (exploded and assembled views): • Mortice and tenon joint • Double mortice and tenon joint • Bare face tenon	(Generic) - Properties, use precautions and applications of the following: See CAPS (Specific) - Application, uses and drawings of the following woodworking joints (exploded and assembled views): • Mortice and tenon joint • Double mortice and tenon joint • Bare face tenon	Sketch of horizontal section through the mullion and adjacent casement stiles with glass and putty in position.	Identification of parts and the drawing of the external elevation of a double casement with two horizontal glazing bars within a frame			
Requisite pre-knowledge	Pre- knowledge of mouldings. Drawing skills as in grade 10 and in the first term.		Bricks and block. Mathematical skills. Volumes of concrete. Length and square meters.	Bricks and block. Mathematical skills. Volumes of concrete. Length and square meters.	Bricks and block. Mathematical skills. Volumes of concrete. Length and square meters.	Identify and explain the uses of joining materials like screws, nails, lags, etc.	Identify and explain the uses of joining materials like screws, nails, lags, etc.	Pre-knowledge on wood and mouldings. Drawing and sketching skills.	Pre-knowledge on casements Drawings and sketching skills.			
Resources (other than textbook) to enhance learning	Drawing equipment Equipment and materials needed for mouldings.		Materials as needed in the workshop. Calculation of quantities for a simple structure up to floor level. Volumes, areas, linear Measurements. Calculation of area of foundation, volume of sand,	Materials as needed in the workshop. Calculation of quantities for a simple structure up to floor level. Volumes, areas, linear Measurements. Calculation of area of foundation, volume of sand,	Materials as needed in the workshop. Calculation of quantities for a simple structure up to floor level. Volumes, areas, linear Measurements. Calculation of area of foundation, volume of sand,	Materials needed as indicated above. Internet- YouTube. Smartphones	Materials needed as indicated above. Internet- YouTube. Smartphones	YouTube, wall charts, excavations material.	YouTube, wall charts, equipment for eg drawings equipment, set squares, etc			

26 June-12 July
School Holiday

			volume of cement, volume of stones, volume of water and Quantities for a small building up to floor level.	volume of cement, volume of stones, volume of water and Quantities for a small building up to floor level.	volume of cement, volume of stones, volume of water and Quantities for a small building up to floor level.							
Assessment	Informal Assessment: Remediation	Work sheets Class and homework activities Informal class tests.	Work sheets Class and homework activities Informal class tests	Work sheets Class and homework activities Informal class tests		Work sheets Class and homework activities Informal class tests	Work sheets Class and homework activities Informal class tests	Work sheets Class and homework activities Informal class tests	Work sheets Class and homework activities Informal class tests			
	SBA Formal Assessment	Term 2 PAT- Phase 2 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.										



2021 Post – Covid: National Revised ATP: Grade 11 – Term 3: **CIVIL TECHNOLOGY: WOODWORKING**

TERM 3 52 days)	Week 1 (4 days)	Week 2 (5 days)	Week 3 (5 days)	Week 4 (5 days)	Week 5 (4 days)	Week 6 (5 days)	Week 7 (5 days)	Week 8 3 Sept (5 days)	Week 9 (5 days)	Week 10 (5 days)	Week 11 (3 days)	24 Sept – 04 Oct School Holiday
CAPS Topics	WALL PANELLING and CUPBOARDS (SPECIFIC)	CENTERING (SPECIFIC)	DOORS (Specific)	DOORS (Specific)	FORMWORK (SPECIFIC)	FORMWORK (SPECIFIC)	SHORING (SPECIFIC)	IRONMONGERY (SPECIFIC)	SUSPENDED TIMBER FLOOR (SPECIFIC)	REVISION/ENRICHMENT	COMPLETION OF PAT TERM TEST	
Topics /Concepts, Skills and Values	Front elevation and vertical section showing methods of installing plywood ...A horizontal section showing how the joint between two plywood panels are concealed. A vertical section showing the rough grounds and the finish at the top and bottom of the panelling with a rejecting moulded capping. Working drawings of a frame	Sketches showing methods of construction and erection of centres for the following types of arches with spans not exceeding 900mm: • Flat arch • Semi-circular arch	External doors: application, drawing of front elevations, horizontal and vertical sections and constructional details of doors	External doors: application, drawing of front elevations, horizontal and vertical sections and constructional details of doors	Materials used for formwork taking into consideration the following: • The treatment before and after casting concrete • Properties of a good formwork	Drawing of vertical cross-section of the formwork and methods of erecting and supporting the following: Drawing of horizontal cross-section of the formwork and methods of erecting and supporting the following: • Round column, Square column	Definition of shoring Purpose of shoring Single line diagrams showing the components of the following Shores for a three storey building.	Identification and use of the following fittings: Hinges: Bolts: • Flush bolt • Barrel bolt • Piano hinge Strap hinge • Sinkless hinge • Parliament hinge	Draw a neat sketch to illustrate the term secret nailing, as applied to the tongue and grooved floor boards			
Requisite pre-knowledge	Pre- knowledge of materials for wall panelling and cupboards.	Pre- knowledge of arches and materials for the manufacturing of cantering	Pre- knowledge of external doors	Pre- knowledge of external doors	Pre- knowledge of materials for formwork. Materials for formwork.	Drawings of formwork. Sketches of formwork. Scale drawings – how to interpret drawings	Pre- knowledge of shoring	Pre- knowledge of different ironmogery	Drawings and sketching skills.			
Resources (other than textbook) to enhance learning	YouTube, wall charts on foundations, etc.	YouTube, wall charts, work sheets, etc.	YouTube, wall charts,	YouTube, wall charts,	YouTube videos on formwork. Construction detail of formwork	YouTube, wall charts, etc.	Materials, wall charts, YouTube, etc,	Materials, wall charts, YouTube, etc,	YouTube, wall charts			

Assessment	Drawings and sketches can be made. Emphasis on sketching.	Work sheets Class and homework activities Informal class tests	Work sheets Class and homework activities Informal class tests	Work sheets Class and homework activities Informal class tests	Work sheets Class and homework activities Informal class tests	Work sheets Class and homework activities Informal class tests	Work sheets Class and homework activities Informal class tests	Work sheets Class and homework activities Informal class tests	Work sheets Class and homework activities Informal class tests			
	SBA and PAT (FORMAL ASSESSMENT)	<p>Term 3 – Term test PAT-</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>See the document on the workshop safety measures.</p>										



2021 Post – Covid: National Revised ATP: Grade 11 – Term 4: CIVIL TECHNOLOGY: WOODWORKING

Term 4 (47 days)		Week 1 (4 days)	Week 2 (5 days)	Week 3 (5 days)	Week 4 (5 days)	Week 5 (5 days)	Week 6 (5 days)	Week 7 (5 days)	Week 8 (5 days)	Week 9 (5 days)	Week 10 (3 days)	9 Dec– 00 Jan School Holiday
CAPS Topics		SUSPENDED TIMBER FLOOR (SPECIFIC)	SUSPENDED TIMBERFLOOR (SPECIFIC)	SUSPENDED TIMBERFLOOR (SPECIFIC)	CEILING (SPECIFIC)	STAIRCASE (SPECIFIC)	STAIRCASE (SPECIFIC)	REVISION, PREPARATION FOR FINAL EXAM / ASSESSMENT OF PAT	REVISION, PREPARATION FOR FINAL EXAM / ASSESSMENT OF PAT			
Topics /Concepts, Skills and Values		Draw a neat sketch to illustrate the term secret nailing, as applied to the tongue and grooved floor boards	Draw to scale the plan of the layout of a room at ground floor with a suspended timber floor, showing the spacing of the floor joists and bearers and also part of the floor boards in one corner of the room.	Draw to scale the plan of the layout of a room at ground floor with a suspended timber floor, showing the spacing of the floor joists and bearers and also part of the floor boards in one corner of the room.	The layout of the brandering for a ceiling for a room 4.5 metres long and 3 metres wide. The spacing of the brandering must be shown and the ceiling boards depicted in broken lines	Definition of the following terms as used in a single flight staircase: Rise, Riser, Tread/going, Apron, Baluster, Margin, Pitch board,	Definition of the following terms as used in a single flight staircase:., Hand rail, Landing, Storey rod and String					
Requisite pre-knowledge		Pre-knowledge on suspended timber floor Drawing and sketching skills.	Pre-knowledge on suspended timber floor Drawing and sketching skills.	Pre-knowledge on suspended timber floor Drawing and sketching skills.	Pre-knowledge on ceiling Drawing and sketching skills.	Pre-knowledge on staircases Drawing and sketching skills.	Pre-knowledge on staircases Drawing and sketching skills.					
Resources (other than textbook) to enhance learning		YouTube, wall charts Drawing equipment	YouTube, wall charts Drawing equipment	YouTube, wall charts Drawing equipment	YouTube, wall charts Drawing equipment	YouTube, wall charts Drawing equipment	YouTube, wall charts Drawing equipment					
Assessment	Informal Assessment: Remediation	Work sheets Class and homework activities Informal class tests	Work sheets Class and homework activities Informal class tests.	Work sheets Class and homework activities Informal class tests	Work sheets Class and homework activities Informal class tests	Work sheets Class and homework activities Informal class tests	Work sheets Class and homework activities Informal class tests					
	SBA and PAT (Formal)	Final examination Assessment of the PAT										