


SKILLS PROGRAMME DOCUMENT							
Skills Programme Title		Plumbing Hand					
NQF Level	3	Credits	49	Duration in days	61 Days		
Skills Programme ID Number		SP-210403					
Skills Programme Status	Approved			Start Date	End Date		
				16/04/2021	16/04/2026		
Last date for enrolment		16/04/2027	Last date for achievement		16/04/2030		

SKILLS PROGRAMME DETAILS

Title	Plumbing Hand
Sub Title	642601: Plumber
NQF Level	3
Duration	61 days
Credits	49
Quality Assuring Body	Quality Council for Trades and Occupations (QCTO)
Skills Rationale	<p>There is a need for skills programmes within the plumbing industry and these skills programmes are being carefully monitored and located in the broader skills and competency framework for plumbing. This means that any skills programmes or any other initiative for developing skills within the plumbing sector need to be related to the registered plumber qualification as well as the registered designations within the sector.</p> <p>Should we not make reference to the continued demand that we must avoid water wastage and that every citizen has a right to clean water. It requires that the water provisioning and consumption should be constantly maintained to minimise water wastage.</p> <p>This skills programme prepares a learner to operate as a Plumbing Hand.</p> <p>The qualifying learner will be able to install, repair and maintain, water pipes, drainage pipe systems, sanitary fixtures (water closet, wash hand basin, bidet, bath, shower and sink) under supervision of a qualified Plumber.</p>
Related registered qualification/s	<p>642601000: Plumber</p> <p>SAQA ID: 91782; Occupational Certificate: Plumber; NQF Level 4; Credits 360</p>

<p>Purpose</p>	<p>The purpose of this skills programme is to prepare a learner to operate as a Plumbing Hand.</p> <p>A Plumbing Hand installs, repairs and maintains, water pipes, drainage pipes systems, sanitary fixtures (water closet, wash hand basin, bidet, bath, shower and sink) under supervision of a qualified Plumber.</p>	
<p>Content</p>	<p><u>Knowledge component</u></p> <ul style="list-style-type: none"> • 64260642601-000-00-SP02-KM-01, Health, Safety, Quality and Legislation, NQF Level 3, Cr 2. • 642601-000-00-SP02-KM-02, Environment, Energy Efficiency and Ethics NQF Level 4, Cr 2. • 642601-000-00-SP02-KM-03, Tools, Equipment, Components and Site Practice, NQF Level 3, Cr 3. • 642601-000-00-SP02-KM-04, Drawings and Applied Sciences, NQF Level 3, Cr 3. • 642601-000-00-SP02-KM-05, Theory of Water and Drainage Systems, NQF Level 4, Cr 3. 	<p><u>Application component</u></p> <ul style="list-style-type: none"> • 642601-000-00-SP02-AM-01, Install and Maintain Above Ground Soil Waste and Vent Pipe Systems, Terminal Fittings and Sanitary Fixtures, NQF Level 3, Cr 7. • 642601-000-00-SP02-AM-02, Install and Maintain Below-Ground Drainage Systems, NQF Level 3, Cr 7. • 642601-000-00-SP02-AM-03, Install, Maintain and Repair Cold-water and Hot Water Systems, NQF Level 3, Cr 10.

	<ul style="list-style-type: none"> • 642601-000-00-SP02-KM-06, Above and Below Ground Drainage, NQF Level 3, Cr 3 • 642601-000-00-SP02-KM-07, Sanitary fixtures, NQF Level 4, Cr 3. • 642601-000-00-SP02-KM-08, Hot and cold-water systems, NQF Level 3, Cr 3. • 642601-000-00-SP02-KM-09, Installation and Maintenance Theory for Plumbing Systems, NQF Level 4, Cr 3. 	
Minimum entry requirements	Open Entry	
Exit Level Outcomes	<ul style="list-style-type: none"> • Install, maintain and repair above and below ground sanitary drainage pipes systems. • Install, maintain and repair sanitary fixtures. • Install, maintain and repair water pipes. 	
Assessment	<p><u>Continuous Assessment</u></p> <ul style="list-style-type: none"> • Discuss and explain relevant Health, Safety, Quality and Legislation in support of the plumbing occupation • Discuss and explain the importance of environmental sustainability and energy efficiency factors impacting on undertaking business operations and processes in an environmentally sustainable and responsible manner • Discuss and explain the theory required for the use of tools, equipment, materials, components and workshop practices in the execution of plumbing activities 	

	<ul style="list-style-type: none"> • Discuss and explain the theory required for interpreting drawings and determining how science is applied in the practise of plumbing • Discuss and explain the theory of water and drainage required for the practise of plumbing • Discuss and explain the theory of all above and below ground drainage systems required for the practise of plumbing • Discuss and explain the theory of sanitary fixtures and appliances and processes required for the practise of plumbing • Discuss and explain the theory of cold-water and hot water systems required for the practise of plumbing • Discuss and explain the maintenance and repair theory required for the practise of plumbing <p><u>Supervised Assessment</u></p> <ul style="list-style-type: none"> • The techniques, methods, sequencing and procedures are implemented to install and maintain above ground soil waste and vent pipes, terminal fittings and sanitary fixtures (Terminal fittings and sanitary fixtures may include but are not limited to taps, cisterns, water pipes, valves and isolating valves, baths, bidets, washbasins and sinks) • The techniques, methods, sequencing and procedures are implemented to install and maintain and test below-ground drainage systems • The techniques, methods, sequencing and procedures are implemented to install, maintain and repair cold-water and hot water pipes and fittings
<p>Recognition of Prior Learning (RPL)</p>	<ul style="list-style-type: none"> • Learners will gain access to the skills programme through RPL for Access as provided for in the QCTO RPL Policy. RPL for access is conducted by an accredited institution, skills development provider or workplace accredited to offer that specific skills programme. • Learners who have already acquired competencies of modules of a skills programme will be exempted from modules through

	<p>RPL. Such learners will be awarded credits towards the skills programme.</p> <ul style="list-style-type: none"> Learners who complete this skills programme will accumulate credits towards the relevant full or part qualification. The Credit Accumulation and Transfer (CAT) Policy shall apply to these learners
<p>Work Opportunities and further learning</p>	<p>The qualifying learner will be able to gain employment by offering plumbing hand services assisting qualified plumbers, Qualifying learners may also gain access to further learning opportunities in the career path to achieve the full Plumber trade qualification at NQF Level 4.</p>
<p>Skills Development Provider Accreditation Requirements</p>	<p>Physical Requirements:</p> <p>Demonstrate access to:</p> <ul style="list-style-type: none"> Plumbing environment. Hand tools per learner: hacksaw, builders' line, chalk line, spirit level, carpenter's pencil, caulking gun, club hammer, cold chisel, screw driver set, wood saw. PPE per learner: safety goggles, safety shoes, gloves. Geyser, water pipes and fittings per learner per module according to task requirements. Access equipment according to task requirements. Power tools: electric hammer drill, angle grinder, jig saw. Facilities: area conducive for the installation of hot and cold-water pipes, underground, in walls and in roofs. Area conducive to the installation of hot and cold-water pipes, underground, in walls and in roofs. <p>Human Resource Requirements:</p> <ul style="list-style-type: none"> Facilitator/learner ratio 1 to 12. Workshop assistant/learner ratio 1 to 4. <p>Legal and Safety Requirements:</p> <ul style="list-style-type: none"> Compliant with OHS ACT requirements