

**SKILLS FRAMEWORK FOR LANDSCAPE
TECHNICAL SKILLS AND COMPETENCIES (TSC) REFERENCE**

TSC Category	Horticulture					
TSC	Vegetation Planting					
TSC Description	Plan, execute and manage the planting of vegetation for a range of horticultural purposes					
TSC Proficiency Description	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
	LNS-GNM-1019-1.1	LNS-GNM-2019-1.1	LNS-GNM-3019-1.1			
	Assist in planting and post-planting aftercare activities for shrubs, trees and palms	Execute planting and post-planting activities for shrubs, trees and palms according to established horticulture practices and standards	Plan and supervise planting activities to ensure shrubs, trees and palms are planted according to established horticulture practices and standards			
Knowledge	<ul style="list-style-type: none"> • Methods, techniques and requirements for preparation of soil in plant beds before planting • Excavation methods and requirements for planting • Use of fertilisers and other soil ameliorants during planting • Methods of supporting plants after planting • Types of mulches and composted organic matter and their benefits to plants • Watering methods and equipment • Common post-planting aftercare methods • Personal protective equipment (PPE) required for horticultural tasks • Relevant workplace safety and health (WSH) guidelines 	<ul style="list-style-type: none"> • Inspection parameters of planting stock for health and suitability for planting • Mechanised and manual excavation methods and their applications and use cases • Soil preparation and amelioration methods used for planting • Common fertilisers, chemicals and biological agents used in the planting of specific plants or in specific kinds of soil • Types of mulches and composted organic matter • Irrigation methods and equipment • Common post-planting aftercare methods • Personal protective equipment (PPE) required for horticultural tasks • Relevant workplace safety and health (WSH) guidelines 	<ul style="list-style-type: none"> • Planting layout guidelines for different plant species • Planting and post-planting procedures • Amounts and mixing proportions of fertilisers and chemicals for different plants • Post-planting aftercare requirements for different plants • Benefits of specific types of mulches and other organic materials for plant growth • Irrigation requirements of commonly planted species • Personal protective equipment (PPE) required for horticultural tasks • Relevant workplace safety and health (WSH) guidelines 			
Abilities	<ul style="list-style-type: none"> • Wear appropriate PPE before commencing planting tasks 	<ul style="list-style-type: none"> • Wear appropriate PPE before commencing planting tasks 	<ul style="list-style-type: none"> • Prepare planting plans accordingly to planting requirements 			

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	<ul style="list-style-type: none"> • Select appropriate tools and equipment for planting • Prepare soil in plant beds through appropriate amelioration using manual aeration and chemical application • Perform manual excavation to assist in preparing plant beds • Assist in planting plants at pre-determined positions • Perform watering of plants accordingly to schedules • Clear all horticultural waste from surrounding areas • Assist in post-planting after-care • Incorporate mulches and other organic matter into the soil to promote plant growth • Adhere to relevant WSH guidelines in performing horticultural tasks 	<ul style="list-style-type: none"> • Select appropriate tools, equipment and machinery for planting • Select suitable plant specimens from planting stock for planting • Perform soil excavation using manual and mechanised methods to create planting holes • Position plants in pre-determined planting holes and provide adequate support • Provide structural support to the plant by staking • Apply fertilisers and other chemicals to maintain plant health depending on the requirements of the species • Execute post-planting aftercare plans based on species requirements until stabilisation of plant health • Adhere to relevant WSH guidelines in performing horticultural tasks 	<ul style="list-style-type: none"> • Determine tools and equipment to be used for planting • Determine planting layouts with spatial considerations for plant growth requirements • Supervise planting activities accordingly to established procedures • Establish irrigation and maintenance schedules for different plants • Guide the usage of chemicals and fertilisers to meet plant health and growth requirements • Review aftercare activities • Determine mulches and other organic materials to be added to the planted areas to promote plant health and growth • Supervise adherence to relevant WSH guidelines in the performance of horticultural tasks by the team 			
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