

SKILLS FRAMEWORK FOR LANDSCAPE SKILLS MAP – PRINCIPAL LANDSCAPE ARCHITECT		
Sector	Landscape	
Track	Landscape Design	
Occupation	Landscape Design Professional	
Job Role	Principal Landscape Architect	
Job Role Description	<p>The Principal Landscape Architect is involved in establishing business leads, managing landscape development and design projects, and supporting organisational functions. He/She employs a multidisciplinary approach towards landscape development, planning and design projects by integrating inputs from various technical and functional disciplines to develop cohesive landscape design and architecture solutions to meet clients' needs. He executes business development, expands the organisation's landscape design and architectural specialities and cultivates business relationships both locally and internationally. He provides design directions for project teams and conceptualises new and innovative landscape design and architectural ideas to profile the organisation's capabilities. He oversees project development and implementation, ensuring the organisation's and clients' goals and objectives are met. He also coaches internal team members, drive people development initiatives and manages the day-to-day functions.</p> <p>He thrives in the specialised field of landscape architecture, is creative and communicates effectively to align others with his creative visions. He has excellent leadership qualities and is able to guide teams, departments and/or the organisation. He is proficient in planning, organising and managing projects. He also possesses strong analytical skills to identify favourable unique opportunities to create value for the organisation. In addition, he continually seeks to develop his business acumen, deepen his landscape industry knowledge, anticipate new industry trends and market factors to excel in his creative services.</p>	
Critical Work Functions and Key Tasks	Critical Work Functions	Key Tasks
	Execute business development	Collaborate with the management team in the development of marketing collaterals for business development
		Participate in tender interviews, pitch meetings and/or marketing presentations to potential clients, building architects and contractors to showcase technical capabilities and experience
		Evaluate cost and resource estimates to develop technical and commercial proposals
		Review site assessment reports to provide recommendations for technical proposals
		Develop technical and commercial proposals to pitch for landscape design contracts
		Lead the execution of strategies aimed at internationalisation of the business
	Establish design objectives and concepts	Assess site layouts and proposed development plans to identify and resolve issues pertaining to land uses, landforms, water bodies and planting
		Define the multidisciplinary approach, including specialised services, to be taken for the planning and design of the proposed landscape development
		Lead the impact evaluation of proposed development plans on the environment and communities in the area as well as the evaluation of corresponding mitigation measures
		Establish requirements and design objectives based on information that influences the development or management of the projects
		Oversee adherence to design concepts for design outputs across various specialisations and disciplines
		Collaborate with clients and other key project stakeholders to clarify the landscape design objectives, budgets and roles of all stakeholders
		Secure necessary support and resources for research and development
		Enhance the feasibility of new design ideas through market research and testing
	Deliver design outputs	Obtain clients' approvals for the overall design concepts
		Establish design project schedules and standards of quality for project deliverables
		Allocate work to the design team based on specialisation or experience
		Approve overall design illustrations and present completed landscape design outputs to clients and other stakeholders
Review softscape and hardscape selection ideas for suitability to the design concepts		
Oversee adherence to the protection of existing vegetation or habitat in the implementation of landscape designs and plans		
Manage landscape design project	Evaluate overall effectiveness and technical and commercial viability of landscape designs to provide feedback for enhancement to the design team	
	Collaborate with project quantity surveyors on the provision of cost estimates for the implementation of the designs based on clients' inputs	
	Articulate importance and the impact of statutory requirements and the submission guidelines for landscape-related matters to stakeholders	
	Collaborate with landscape specialists, contractors and relevant consultants on scope of project, design concepts, site challenges, key expectations and the hiring of specialised expertise if required	
	Evaluate proposals submitted by landscape contractors to make recommendations to clients for award of projects	
	Approve variances to tender specifications for adherence to overall approved design intent	

		Sign off on the achievement of established milestones to approve payments to contractors		
		Approve implementation timelines, scope changes, resources and manpower deployment in consideration of project objectives		
		Evaluate progress of landscape implementation projects through site visits, management meetings and reports submitted and resolve issues associated with project implementation in collaboration with stakeholders		
		Certify completion of defect rectifications prior to and immediately after the certification of completed contract works		
	Manage organisational development		Communicate common goals, direction and accountability among staff	
			Develop staff through capability development and coaching	
			Implement effective performance management practices within department in accordance with company policies and procedures	
			Monitor budgets, forecasting, work allocations and staffing of the various departments	
Skills and Competencies	Technical Skills and Competencies		Generic Skills and Competencies (Top 5)	
	Aesthetic and Design Sensibility	Level 5	Interpersonal Skills	Advanced
	Biophilic Design	Level 5	Developing People	Advanced
	Budgeting	Level 4	Leadership	Advanced
	Building Information Modelling Application	Level 5	Resource Management	Advanced
	Business Development	Level 5	Decision Making	Advanced
	Conceptual Thinking	Level 5		
	Contract Preparation, Evaluation, Negotiation and Tendering	Level 5		
	Critical Thinking	Level 5		
	Cultural, Heritage and Socio-economic Sensitivity for Design	Level 5		
	Data Analysis and Interpretation	Level 4		
	Design Creation and Development	Level 5		
	Design Sketching	Level 5		
	Design Standards and Specification	Level 5		
	Design Thinking Practice	Level 5		
	Digital and Physical Prototyping	Level 5		
	Ecology in Landscapes	Level 5		
	Form Giving	Level 5		
	Imagination and Exploration	Level 5		
	Innovation Management	Level 4		
	Learning and Development	Level 4		
	Material Studies and Production Processes	Level 5		
	Microclimate in Landscape Design	Level 5		
	Placemaking and Programming of Open Spaces	Level 5		
	Plant Identification	Level 4		
	Plant Selection for Landscape Development	Level 5		
	Project Management	Level 5		
	Site Assessment and Analysis	Level 5		
	Skyrise Greenery Design and Implementation	Level 5		
	Stakeholder Management	Level 5		

	Strategy Planning	Level 4		
	Sustainable Landscape Design	Level 5		
	Technical Drawing	Level 5		
	Vendor Management	Level 4		
	Visual Communication	Level 5		
	Water Sensitive Urban Design	Level 5		
	Workflow Digitalisation	Level 4		
Programme Listing	For a list of Training Programmes available for the Landscape sector, please visit: www.skillsfuture.sg/skills-framework/landscape			

The information contained in this document serves as a guide.