

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

<b>TSC Category</b>	Horticulture					
<b>TSC</b>	Plant Selection for Landscape Development					
<b>TSC Description</b>	Select plants and trees to meet the requirements of a landscape project					
<b>TSC Proficiency Description</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Level 4</b>	<b>Level 5</b>	<b>Level 6</b>
			<b>LNS-GED-3006-1.1</b>	<b>LNS-GED-4006-1.1</b>	<b>LNS-GED-5006-1.1</b>	
			Recommend plants and trees for various sites and uses based on design requirements and analysis of site conditions	Manage the selection of plants and trees by determining selection criteria and advising on species selection for a range of purposes and sites	Lead plants and trees selection by establishing design themes taking into consideration various factors including the limitations of the site in order to meet design requirements	
<b>Knowledge</b>			<ul style="list-style-type: none"> <li>Site sample extraction and data collection techniques</li> <li>Growth habits and ornamental characteristics of plants and trees</li> <li>Principles and elements of design</li> <li>Functional characteristics of various plants and tree species</li> <li>Characteristics and parameters of plant health and growth prospects</li> </ul>	<ul style="list-style-type: none"> <li>Site assessment methods and techniques</li> <li>Interpretation of landscape designs and concepts</li> <li>Factors affecting maintenance and implementation of a landscape site</li> <li>Plants and trees selection considerations</li> <li>Anatomical, morphological and functional characteristics of common species of plants and trees</li> <li>Characteristics and parameters of plant health and growth prospects</li> <li>Cultural requirements of various plant and tree species</li> <li>Environmental tolerances of various plant and tree species</li> </ul>	<ul style="list-style-type: none"> <li>Site assessment methods and techniques</li> <li>Relationship between plant and tree selection and site conditions</li> <li>Visual appearance of plants and trees at various stages of life cycle</li> <li>Site designs and concepts</li> <li>Physical and environmental attributes of project site</li> <li>Maintenance requirements of plants, trees and project site</li> <li>Research methods and techniques</li> </ul>	
<b>Abilities</b>			<ul style="list-style-type: none"> <li>Support site assessment by providing inputs on implementation and maintenance considerations</li> <li>Provide recommendations on plants and trees for</li> </ul>	<ul style="list-style-type: none"> <li>Assess client requirements, designs and plant and tree palettes to propose plant and tree selections</li> <li>Assess site to address planting and maintenance challenges</li> </ul>	<ul style="list-style-type: none"> <li>Assess site, client requirements and other considerations for plant and tree selection for the site</li> <li>Propose plant and tree palettes based on</li> </ul>	

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			<p>specific situations and uses</p> <ul style="list-style-type: none"> <li>Analyse the factors and/or elements of the project site that would affect plant selection</li> <li>Provide recommendations on the areas to place different types of plants and trees</li> <li>Advise on supplier and market availability for required species</li> <li>Support specimen selection by coordinating nursery visits</li> <li>Check that plants and trees are in a condition fit for use</li> </ul>	<ul style="list-style-type: none"> <li>Evaluate supplier feedback and commercial considerations for plant and tree selection</li> <li>Research maintenance requirements and environmental tolerances of various plants and trees</li> <li>Advise on plant and tree selection with considerations for site challenges, functional requirements, maintainability and market availability</li> <li>Advise on alternate species from a horticultural or arboriculture perspective in case of unavailability of species</li> <li>Advise ways of using plants and trees in indoors and/or outdoors based on requirements of project</li> </ul>	<p>landscape concepts and designs</p> <ul style="list-style-type: none"> <li>Identify plant and tree species suited to the designs and concepts</li> <li>Shortlist plant and tree species based on site considerations and client requirements</li> <li>Lead the selection of plants and trees based on availability, cost, maintenance, survivability and other factors</li> <li>Participate in nursery visits to lead the selection of specific specimen</li> <li>Research to find new plants and trees that are easier to maintain and/or more tolerant to environmental changes</li> <li>Establish organisation's design themes to guide the selection of plants and trees for projects</li> </ul>	
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