

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

<b>TSC Category</b>	Horticulture					
<b>TSC</b>	Plant Identification					
<b>TSC Description</b>	Identify, classify and document plant species for a variety of horticultural purposes					
<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-GNM-1015-1.1</b>	<b>LNS-GNM-2015-1.1</b>	<b>LNS-GNM-3015-1.1</b>	<b>LNS-GNM-4015-1.1</b>		
	Identify plants and their characteristics and understand broad plant classifications	Identify plant species and their basic anatomy, understand broad plant classifications and naming conventions, and perform labelling to enable plant identification	Identify plants based on comprehensive understanding of taxonomy and classification systems, lead recording and documentation of plant species	Implement comprehensive identification, classification and documentation of plants		
<b>Knowledge</b>	<ul style="list-style-type: none"> <li>Common plant species and their common and botanical names</li> <li>Basic parts of a plant and major functions performed by different parts of a plant</li> <li>Impact of external environment and other factors on the growth and lifespan of plants</li> <li>Common plant form, shapes and structures</li> <li>Simple types of specialised forms of plants</li> </ul>	<ul style="list-style-type: none"> <li>Identifying features, growth habits and characteristics of common flowering plants, trees, palms, shrubs, cycads and climbers</li> <li>Broad principles of binomial plant naming system</li> <li>Broad principles of plant anatomy and morphology</li> <li>Basic lifecycle of plants</li> <li>Cultural requirements and practices associated with plant growth and maintenance</li> <li>Impact of external environment and other factors on the growth and lifespan of plants</li> <li>Simple types of specialised forms of plants</li> <li>Organisation's conventions, formats, techniques and methods for labelling plants</li> </ul>	<ul style="list-style-type: none"> <li>Broad principles of plant taxonomy, naming system and conventions</li> <li>Indigenous plant and flowering species and their common names</li> <li>Physiological functions performed by various parts of the plant anatomy and their significance to plant health</li> <li>Lifecycle of a variety of indigenous plant species and classification of plants by lifecycles</li> <li>Classification systems of plant species</li> <li>Plant recording and mapping systems</li> <li>Cultural requirements and practices associated with plant growth and maintenance</li> <li>Organisation's conventions, formats, techniques and methods for labelling plants</li> </ul>	<ul style="list-style-type: none"> <li>Indigenous plant species and their characteristics</li> <li>Non-indigenous, non-native, invasive and protected species and actions to be taken if they are discovered</li> <li>Detailed plant anatomy and its relationship with plant morphology and the plant's physiological processes</li> <li>Botanical nomenclature as it relates to current and correct use of taxonomic terms</li> <li>Plant recording and mapping systems</li> <li>International codes of taxonomy of plants</li> </ul>		
<b>Abilities</b>	<ul style="list-style-type: none"> <li>Identify common plant species to report their common and botanical name</li> </ul>	<ul style="list-style-type: none"> <li>Describe the broad principles of the binomial plant naming system for classification intent</li> </ul>	<ul style="list-style-type: none"> <li>Identify characteristics of various plant families used in the local landscape industry</li> <li>Identify plant morphological features</li> </ul>	<ul style="list-style-type: none"> <li>Use key elements in plant structure to identify plants to family, genus and species level</li> <li>Establish organisational guidelines for</li> </ul>		

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	<ul style="list-style-type: none"> <li>Identify the parts of plants and their basic functionalities</li> <li>Recognise the main growth habits, shapes or characteristics of plants</li> <li>Use common market names of plants while working in a horticultural context</li> <li>Recognise how specialised plant forms are produced from their normal forms</li> </ul>	<ul style="list-style-type: none"> <li>Identify the major functions performed by the parts of the plant</li> <li>Identify broad plant lifecycle processes with respect to various plant groups</li> <li>Identify a range of plant and tree species used in amenity horticulture</li> <li>Identify the effects of environmental factors on the health of plants</li> <li>Recognise a range of plant names from a variety of standard industry paperwork for plant labelling purposes</li> <li>Label plants and trees in accordance with organisational guidelines</li> <li>Follow cultural practices for a range of commonly grown species as used in a landscape sector</li> </ul>	<p>using accepted botanical terms</p> <ul style="list-style-type: none"> <li>Classify plants broadly on the basis of morphological characteristics</li> <li>Influence plant selection for clients or own organisation based on understanding of plant's anatomical and morphological characteristics and its impact on planting and maintenance of the plants</li> <li>Oversee labelling of plants in accordance with the international codes for nomenclature</li> <li>Document plant species on site or in the organisation in appropriate plant recording and mapping systems</li> <li>Oversee execution of cultural requirements and practices associated with various plants based on understanding of plant's anatomical and morphological characteristics</li> </ul>	<p>identification, classification, recording and labelling of plant species</p> <ul style="list-style-type: none"> <li>Record plant species using an appropriate plant record management system</li> <li>Provide guideline on labelling of plants in accordance with the international codes for nomenclature</li> <li>Determine the scientific and horticultural significance of plant provenance</li> </ul>		
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