

Title:	Understanding Plants in their Environment.
Level:	Entry Level 3
Credit value:	2
GLH:	20
Unique Reference Number:	K/652/0008
Sector Subject Area:	14.1 Foundations for Learning and Life
Aim:	The aim of this unit is to provide learners with the knowledge and skills to understand how plants grow in different environments and why conditions affect their development. Learners will recognise basic environmental factors, identify simple habitats, and understand how horticultural practice can support plant health and wildlife. This unit supports progression into practical horticulture roles by developing environmental awareness across a range of planted settings.
Assessment Type:	Assessment of this unit will be through an internally set and internally assessed portfolio of evidence.
Assessment Guidance:	<p>Assessment decisions for skills-based learning outcomes must be made during the learner's normal work activity.</p> <p>Skills-based assessment must include direct observation as the main source of evidence and must be carried out over an appropriate period of time.</p> <p>Evidence must confirm that the learner can identify growing environments, recognise environmental factors affecting plants, describe simple habitats, and understand responsible horticultural practice.</p> <p>Assessment must reflect realistic horticultural contexts.</p>

Learning outcomes

The learner will:

1. Understand different growing environments.

Delivery content:

The aim of this learning outcome is to provide the learners with the knowledge and skills to recognise that plants grow in different types of environments and that these environments influence plant health.

The learner must:

- 1.1 Identify types of **growing environments**.

<p>1.2 Match simple plants to suitable environments.</p> <p>1.3 State why plants grow better in certain conditions.</p>
<p>2. Understand environmental factors affecting plants.</p> <p>Delivery content:</p> <p>The aim of this learning outcome is to provide the learners with the knowledge and skills to recognise environmental conditions that influence plant growth.</p> <p>The learner must:</p> <p>2.1 Identify environmental factors affecting plants.</p> <p>2.2 Recognise how weather affects plants.</p> <p>2.3 State why soil type matters.</p>
<p>3. Understand the importance of habitats.</p> <p>Delivery content:</p> <p>The aim of this learning outcome is to provide learners with the knowledge and skills to recognise how planted areas can support wildlife and natural habitats.</p> <p>The learner must:</p> <p>3.1 Identify examples of habitats.</p> <p>3.2 State why habitats are important for wildlife.</p> <p>3.3 Recognise how planted areas support habitats.</p>
<p>4. Understand responsible horticultural practice.</p> <p>Delivery content:</p> <p>The aim of this learning outcome is to provide learners with the knowledge and skills to recognise simple actions that protect plants and the environment.</p> <p>The learner must:</p> <p>4.1 Identify examples of responsible horticultural practice.</p> <p>4.2 State why waste should be managed properly.</p> <p>4.3 Recognise how actions affect plants and wildlife.</p>

<p>Scope of Training</p> <p>The Scope of Training identifies areas that must be covered during the delivery of this unit. This is the minimum that is expected but tutors are expected to include other areas,</p>

<p>knowledge of which will benefit their learners, based on location, types of work available and from the tutors own professional experience.</p>	
<p>Requirements</p>	
<p>Growing environments:</p>	<p>Definition: Different locations or settings where plants are grown.</p> <p>Teaching must include:</p> <ul style="list-style-type: none"> • Outdoor planted areas. • Indoor growing spaces. • Containers or beds. <p>Teaching could include:</p> <ul style="list-style-type: none"> • Raised beds. • Polytunnels or greenhouses. • Community plots or landscaped spaces.
<p>Environmental factors affecting plants:</p>	<p>Definition: Conditions in the environment that influence plant growth and health.</p> <p>Teaching must include:</p> <ul style="list-style-type: none"> • Light. • Water. • Temperature. • Soil condition. <p>Teaching could include:</p> <ul style="list-style-type: none"> • Seasonal change. • Wind exposure. • Drainage conditions.
<p>Habitats:</p>	<p>Definition: Natural environments where plants and wildlife live and grow.</p> <p>Teaching must include:</p> <ul style="list-style-type: none"> • Areas that provide shelter. • Areas that provide food sources. • Areas that provide protection for wildlife. <p>Teaching could include:</p> <ul style="list-style-type: none"> • Pollinator-friendly planting. • Wildlife corners or undisturbed areas.

	<ul style="list-style-type: none"> • Examples of local habitats.
<p>Responsible horticultural practice:</p>	<p>Definition: Actions taken to protect plants, wildlife, and the environment during horticultural work.</p> <p>Teaching must include:</p> <ul style="list-style-type: none"> • Safe waste disposal. • Avoiding damage to plants. • Working carefully around wildlife. <p>Teaching could include:</p> <ul style="list-style-type: none"> • Recycling garden waste. • Using water responsibly. • Avoiding unnecessary disturbance.