Qualification Unit

This unit forms part of a regulated qualification.

Unit Title: Understanding Soils and Crop Plants

Unit Reference Number: Y/618/8344

Level: Level One (1)

Credit Value: Three (3)

Minimum Guided Learning Hours: 27

Learning Outcome (The Learner will):	Assessment Criterion (The Learner can):
1. Know about different types of soil	1.1 List the characteristics of different types of soil in terms of: • Ph balance • Water retention • Promoting healthy plant growth
	1.2 Identify a range of organic and inorganic materials for improving soil condition
	1.3 State why different types of plants require different types of soil.
	1.4 Identify the environmental impacts of using organic and inorganic soil improvers
2. Understand how to assess the condition of soil	2.1 Explain the purpose of digging soil pits
	2.2 Outline appropriate tests for: • Soil texture and compaction • Water infiltration and retention • Ph level of soil • Organic matter content
	2.3 Identify waterlogged soil
	2.4 Outline the effects of waterlogging on soil
3. Know about the characteristics of a range of crop types	3.1 Identify two different crops from: • Arable fodder • Forage

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		3.2	State the different uses of four common crops
		3.3	Identify suitable storage facilities for two different crop products
		3.4	Produce an annual calendar of events for one specific crop
4.	Understand the functions and features of plant structures	4.1	State the features and functions of: • Seeds • Flowers • Roots • Stems • Leaves for a range of different types of plants
5.	Understand the main growth requirements for seed germination and plant growth	5.1	List the requirements for: germination for a range of seed plants healthy plant growth
		5.2	State how to meet the germination and plant growth requirements for an individual plant type

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