Changing lives through learning

Access to Higher Education Unit

This unit forms part of an Access to HE Diploma. If delivering the graded version of this unit, please refer to the Provider Handbook for details on grading descriptors and the application of these across units within your programme.

Unit Title: Plant Structure and Function

Graded Unit Reference Number: GA33BIO45

Ungraded Unit Reference Number: UA33BIO45

Module: Biology

Level: 3

Credit Value: 3

Minimum Guided Learning Hours: 30

Learning Outcome (The Learner will):	Assessment Criterion (The Learner can):
1. Describe the structure of a typical Plant	1.1 Describe the Structure of the Plant Leaf, a Xylem Vessel and a Phloem Vessel
	1.2 Describe the structure of a root hair cell and a palisade cell
2. Explain Plant Transport Mechanisms and nutritional needs	2.1 Explain the movement of water and sugars through a plant
	2.2 Explain the role of plant nutrients in growth
3. Evaluate Plant Growth and Plant Growth Factors	3.1 Describe the Role of Plant hormones to determine, growth, dominancy and ripening
	3.2 Using diagrams explain how auxin enables plants to respond to light
4. Explain the LDR and LIR of photosynthesis	4.1 Describe the light independent and light dependent reactions of photosynthesis
	4.2 Explain how light is a limiting factor for plant growth

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