Open Awards Qualification Unit

This unit forms part of a regulated qualification.

1 Unit Details

Unit Title:	Rocks, Fossils, Minerals and Soil
Unit Reference Number:	T/650/3416
Level:	Entry Level Three
Credit Value:	3
Minimum GLH:	30

2 Learning Outcomes and Criteria

Learning Outcome (The Learner will):	Assessment Criterion (The Learner can):
1. Know how to sort and categorise rocks based on their appearance and simple physical characteristics	1.1 Identify the physical characteristics of a range of different rocks and rock samples
	1.2 Categorise rocks and rock samples according to their appearance and physical characteristics
	1.3 Sort rocks and rock samples according to their composition and appearance
2. Know the major components of soil	2.1 Identify the main components of soil and soil samples
	2.2 State how the main components of soil are used in a range of human activities including: • Agriculture and horticulture • Animal and human food production • Construction • Pottery and clay working
	2.3 Identify ways to improve the quality of soil to suit a range of human activities
	2.4 State how human activities impact on the quality of soil

	2.5	State how environmental and climate events impact on soil quality
3. Know what fossils are and how they are formed	3.1	State what fossils are
	3.2	Identify what fossils are made of
	3.3	Outline the conditions required for fossils to form
	3.4	Identify why fossils are found in rocks
	3.5	State how fossils are found and extracted
4. Know how minerals are found, extracted and used	4.1	State what minerals are and how they are formed
	4.2	Identify a range of minerals found in rocks and soil
	4.3	Identify ways that minerals are extracted from rocks and soil
	4.4	State how minerals are used in human activities including: • Agriculture and horticulture • Animal and human food production • Construction • Pottery and clay working • Energy production
5. Know about soil erosion	5.1	State what soil erosion is
	5.2	Identify common causes of soil erosion
	5.3	State how soil erosion can be minimised
	5.4	Identify the impact of soil erosion on: • Humans • Animals • The wider environment