

3 Open Awards Qualification Unit



This unit forms part of a regulated qualification.

1 Unit Details

Unit Title:	Metals and Alloys
Unit Reference Number:	A/350/3454
Level:	Entry Level Two
Credit Value:	3
Minimum GLH:	30

2 Learning Outcomes and Criteria

Learning Outcome (The Learner will):	Assessment Criterion (The Learner can):
1. Know how metals are formed	1.1 Give examples of how metals are formed
	1.2 Identify: <ul style="list-style-type: none">• Reactive• Non-reactive metals
	1.3 State how metals and alloys are mined
	1.4 State how the extraction of metal and alloys is carried out
	1.5 State how metals and ores are processed after mining and extraction
2. Know the impacts and benefits of mining and extracting metals and ores	2.1 Identify three: <ul style="list-style-type: none">• Social• Environmental• Economic impacts of mining and extracting metals and ores

	2.2	Identify a <ul style="list-style-type: none"> • Social benefit • Environmental benefit • Economic benefit of mining and extracting metals and ores
	2.3	Give one benefit and one drawback of recycling metals and metal ores
3.	Know how the properties of different metals make them suitable for use	3.1 Identify the properties of a range of metals and metal alloys
		3.2 Explain how the properties of metals makes them suitable for use in household objects
4.	Know about the properties of metal alloys	4.1 State what alloys are
		4.2 State the properties of a range of metal alloys
		4.3 State the properties of alloys used for everyday objects
5.	Know how metals are tested for hardness	5.1 Identify a range of metals of different hardness
		5.2 State how to test metals and alloys for hardness
		5.3 State how the hardness of metals and alloys impacts on their use

Comment [GU]: This is confusing against E3. are they required to identify three social benefits, three environmental and three economic benefits or one for each of the three mentioned?

Comment [GU]: missing the word 'of' in this sentence