

Title:	Health and safety in a construction environment	
Level:	1	
Value for TQT:	29	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Know the principles of risk assessment for maintaining and improving health and safety at work.	1.1	State the purpose of risk assessments and method statements.
	1.2	State the legal requirements of risk assessments and method statements.
	1.3	State common causes of work-related: <ul style="list-style-type: none"> - fatalities - injuries.
	1.4	State the implications of not preventing accidents and ill health at work.
	1.5	State the meaning of the following in relation to health and safety at work: <ul style="list-style-type: none"> - accident - near miss - hazard - risk - competence
	1.6	List typical hazards and potential risks associated with the following: <ul style="list-style-type: none"> - resources - equipment - obstructions - storage - services - wastes - work activities.
	1.7	State the importance of reporting accidents and near misses.
	1.8	State typical accident reporting procedures.
	1.9	State who is responsible for making accident reports.
	1.10	State the purpose of dynamic risk assessments

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2	Know the importance of safe manual handling in the workplace.	2.1	State the reasons for ensuring safe manual handling in the workplace.
		2.2	State the potential injuries and ill health that may occur from incorrect manual handling.
		2.3	State the employee's responsibilities under current legislation and official guidance for: <ul style="list-style-type: none"> - moving and storing materials - manual handling - mechanical lifting
		2.4	State the procedures for safe lifting in accordance with official guidance.
		2.5	State the importance of using site safety equipment when handling materials and equipment.
		2.6	List aids available to assist manual handling in the workplace.
		2.7	State how to apply safe work practices, follow procedures and report problems when carrying out safe manual handling in the workplace.
3	Know the importance of working safely at height in the workplace.	3.1	Define the term 'working at height'
		3.2	State the employee's responsibilities under current legislation and official guidance whilst working at height.
		3.3	List hazards and potential risks associated with the following: <ul style="list-style-type: none"> - dropping tools and debris - stability of ladders - overhead cables - fragile roofs - scaffolds - internal voids - equipment - the working area - other people
		3.4	State how hazards and potential risks associated with working at height can be controlled.
		3.5	State the regulation that controls the use of suitable equipment for working at height.

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4	Know risks to health within a construction environment.	4.1	List the main groups of substances hazardous to health under current regulations.
		4.2	List common risks to health within a construction environment.
		4.3	State the types of hazards and potential risks that may occur in the workplace linked with the use of drugs and alcohol.
		4.4	State the importance of the correct storage of combustibles and chemicals on site.
		4.5	State the importance of personal hygiene within a construction environment.
		4.6	State the potential risks to the health of workers exposed to asbestos.
		4.7	State the types of asbestos waste.
		4.8	State the types of personal protective equipment (PPE) that may be used when dealing with hazardous materials.
5	Know the importance of working around plant and equipment safely.	5.1	List ways in which moving plant, machinery or equipment can cause injuries.
		5.2	State the hazards/risks relating to the use of plant and equipment.
		5.3	State the importance of safeguards located near where plant, machinery and equipment are being used.
		5.4	State the importance of keeping a safe distance away from plant, machinery or equipment until clear contact is made with the operator.
		5.5	Outline how method statements can assist in ensuring the safety of workers where moving plant, machinery or equipment is in use.
		5.6	State the ways to eliminate or control risks relating to working around plant, machinery or equipment.
		5.7	Identify hazard warning signs and symbols used when operating, working with, around or in close proximity to plant, machinery or equipment.

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Additional information about this unit

Assessment Guidance

The information below are examples to support Awarding Organisations with options on how they can ensure coverage of the Learning Outcomes

The first chart below is for Awarding Organisations that decide 70% is the minimum achievement they would expect for each Learning Outcome (LO) and an overall achievement of at least 80% of the assessment paper. This is based on a paper which comprises of 52 questions where each question is worth two marks (104 marks in total), this allows for complete coverage of the Assessment Criteria.

The breakdown would be:

	Weighting %	#Questions	Marks Req (#Qns)	%
LO1	35	18	26	72.2
LO2	15	7	10	71.4
LO3	20	11	16	72.7
LO4	15	8	12	75
LO5	15	8	12	75

This approach would meet the requirements for all Learning Outcomes to be achieved as per the Ofqual requirement and BEABF members' agreement, and also that learners have to demonstrate a high level of health and safety knowledge which is what is intended from the original specification from CITB. The qualification needs to ensure it is rigorous and not just be a passport to get onto site/ receive a green card.

For Awarding Organisations who are adopting a 40-question single response assessment then the expected marks would likely be as follows (however this is reliant on the overall weighting % of the Learning Outcome being consistent):

	Weighting %	#Questions	Marks Req (#Qns)	%
LO1	35	14	10	71.4
LO2	15	6	5	83.3
LO3	20	8	6	75.0
LO4	15	6	5	83.3
LO5	15	6	5	83.3

This would allow for a learner to achieve the assessment by obtaining the minimum threshold for each LO and then one additional mark from across the paper.

Assessment requirements:

Assessment criteria 1.6:

One hazard and potential risk must be listed for **each** of the following:

- resources
- equipment
- obstructions
- storage
- services
- wastes
- work activities

Assessment criteria 2.6:

Four aids must be listed

Assessment criteria 3.3:

One hazard and potential risk must be listed for **each** of the following:

- dropping tools and debris
- stability of ladders
- the working area
- overhead cables
- fragile roofs
- scaffolds
- internal voids
- equipment
- other people

Assessment criteria 4.1

List **Five** substance groups

Assessment criteria 4.2:

Five risks to health must be listed

Assessment criteria 4.7:

Two types of asbestos waste must be stated

Assessment criteria 4.8:

Three types of personal protective equipment (PPE) must be stated

Assessment Criteria 5.2:

Five hazards and **Five** potential risks must be stated

Each Awarding Organisation will have their own method of assessing the qualification to ensure it is rigorous and valid and that there is sufficient coverage of all learning outcomes.

For a Multiple Choice Question (MCQ) assessment method learners are required to achieve an overall pass mark of at least 80% of the unit of assessment.

For full assessment guidance, please contact the Awarding Organisation.

Trainer requirements	Trainers for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge as well as hold a valid trainer's qualification. For the avoidance of doubt a qualification is defined as a regulated programme of learning.
Sector Subject Area	05.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	21