

Component Credit Value:	6
Component Level:	One
Component Guided Learning Hours:	54
Ofqual Component Reference No:	T/617/0613
Component Review Date:	31/07/2023
Component Sector:	5.2 Building and Construction

Component Summary

This component provides the learner with an understanding of information sources used in the construction industry. The component develops the learners' understanding of environmental considerations and a knowledge of constructing foundations, walls, floors and roofs. The learner will also develop knowledge of communication skills.

Standards

This component has **7** standards

1	Know how to identify information used in construction
2	Know about environmental considerations in relation to construction
3	Know about construction of foundations
4	Know about construction of internal and external walls
5	Know about construction of floors
6	Know about construction of roofs
7	Know how to communicate in the workplace

It is expected that before the component is delivered, the Tutor/Assessor will have read the Qualification Handbook to ensure all conditions regarding Rules of Combination, delivery, assessment and internal quality assurance are fulfilled.

Summary of Assessment

This component may be assessed through:

1) an internally set, internally marked and externally verified portfolio of evidence. The information on the following pages details what the learner must successfully complete to achieve the component. Knowledge that must be demonstrated by the learner is highlighted in purple and any associated assessment requirements have been provided. Assessment verbs are displayed in *italics* and expectations for these at each level, along with information on different assessment methods, are available in 'A Guide to Assessing AIM Awards Qualifications' on the AIM Awards website (www.aimawards.org.uk).

This document has been designed to be used as a Record of Learner Achievement Form; Assessors must make it clear to Internal and External Verifiers where achievement of each standard has been evidenced. Once the work has been marked and signed off as meeting the standards by the Assessor, final feedback should be provided to the learner.

Or

2) an externally set, externally marked online Multiple Choice Question (MCQ) exam. The online multiple choice exam must be invigilated by an AIM approved invigilator. Further information on our requirements is detailed in the qualification handbook.

Where a component may be assessed through either portfolio of evidence, or an externally set, externally marked MCQ exam, the centre must choose one of these assessment methods for the assessment of the component.

It is expected that before the component is delivered, the Tutor/Assessor will have read the Qualification Handbook to ensure all conditions regarding Rules of Combination, delivery, assessment and internal quality assurance are fulfilled.

1 The learner will **know how to identify information used in construction**

The learner must know:		Assessment Requirements		Evidence Location
1.a	Information sources used in construction	Learners should <i>identify</i> a minimum of three information sources used in construction (e.g. drawings, schedule, specifications, programme of work etc.).	The following assessment methods can be used in the assessment of this standard: <ul style="list-style-type: none"> • Written tasks/questions and answers • Oral questions and answers • Group discussion • Learner log/reflective journal • Expert witness evidence • Professional discussion • Report This list is not exhaustive and other appropriate assessment methods may be used.	
1.b	The scale to use with drawings in relation to BS1192	Learners should <i>identify</i> the scale to use with a minimum of three different drawings in relation to BS1192 (e.g. block plan, site plan, detail, section etc.)		
1.c	Symbols and hatchings from drawings in relation to BS1192	Learners should <i>identify</i> a minimum of three symbols and three hatchings from drawings in relation to BS1192.		

It is expected that before the component is delivered, the Tutor/Assessor will have read the Qualification Handbook to ensure all conditions regarding Rules of Combination, delivery, assessment and internal quality assurance are fulfilled.

1.d	The purpose of datums used in construction	Learners should <i>state</i> the purpose of datums used in construction.		
------------	--	--	--	--

It is expected that before the component is delivered, the Tutor/Assessor will have read the Qualification Handbook to ensure all conditions regarding Rules of Combination, delivery, assessment and internal quality assurance are fulfilled.

2 The learner will **know about environmental considerations in relation to construction**

The learner must know:		Assessment Requirements		Evidence Location
2.a	Features of a building that improves efficiency	Learners should <i>state</i> the features of a building that improves efficiency (e.g. insulation and water harvesting/conservation etc.)	The following assessment methods can be used in the assessment of this standard: <ul style="list-style-type: none"> • Written tasks/questions and answers • Oral questions and answers • Group discussion • Learner log/reflective journal • Expert witness evidence • Professional discussion • Report This list is not exhaustive and other appropriate assessment methods may be used.	
2.b	The importance of waste management	Learners should <i>state</i> the importance of waste management.		

It is expected that before the component is delivered, the Tutor/Assessor will have read the Qualification Handbook to ensure all conditions regarding Rules of Combination, delivery, assessment and internal quality assurance are fulfilled.

3 The learner will **know about construction of foundations**

The learner must know:		Assessment Requirements		Evidence Location
3.a	Types of foundations	Learners should <i>state</i> a minimum of three different types of foundations (e.g. strip, raft, pile, pad etc.).	The following assessment methods can be used in the assessment of this standard: <ul style="list-style-type: none"> • Written tasks/questions and answers • Oral questions and answers • Group discussion • Learner log/reflective journal • Expert witness evidence • Professional discussion • Report This list is not exhaustive and other appropriate assessment methods may be used.	
3.b	Materials used in concrete foundations	Learners should <i>identify</i> a minimum of three different materials used in concrete foundations (e.g. coarse aggregate, fine aggregate, cement, water, steel reinforcement etc.)		
3.c	The information required to work out the quantity of materials used in a foundation	Learners should <i>state</i> the information required to work out the quantity of materials used in a foundation (e.g. specification, dimensions etc.).		

It is expected that before the component is delivered, the Tutor/Assessor will have read the Qualification Handbook to ensure all conditions regarding Rules of Combination, delivery, assessment and internal quality assurance are fulfilled.

3.d	The volume of concrete used in single strip foundation	Learners should <i>calculate</i> the volume of concrete used in single strip foundation from given information.		
------------	--	---	--	--

It is expected that before the component is delivered, the Tutor/Assessor will have read the Qualification Handbook to ensure all conditions regarding Rules of Combination, delivery, assessment and internal quality assurance are fulfilled.

4 The learner will **know about construction of internal and external walls**

The learner must know:		Assessment Requirements		Evidence Location
4.a	Types of internal and external walls	Learners should <i>identify</i> a minimum of three types of internal and three types of external walls (e.g. solid, cavity, timber frame, stud etc.).	The following assessment methods can be used in the assessment of this standard: <ul style="list-style-type: none"> • Written tasks/questions and answers • Oral questions and answers • Group discussion • Learner log/reflective journal 	
4.b	External walling materials and components	Learners should <i>identify</i> a minimum of three different external walling materials and components (e.g. brick, block, timber, insulation, damp proof course (DPC), wall ties etc.).	<ul style="list-style-type: none"> • Expert witness evidence • Professional discussion • Report This list is not exhaustive and other appropriate assessment methods may be used.	

It is expected that before the component is delivered, the Tutor/Assessor will have read the Qualification Handbook to ensure all conditions regarding Rules of Combination, delivery, assessment and internal quality assurance are fulfilled.

4.c	Internal walling materials and components	Learners should <i>identify</i> a minimum of three different internal walling materials and components (e.g. stud (timber, metal), low density blockwork, plasterboard, plaster etc.).		
4.d	The area of a wall	Learners should <i>calculate</i> the area of a wall from given information.		
4.e	Materials and mix ratios used in mortar	Learners should <i>identify</i> a minimum of three materials and mix ratios used in mortar (e.g. sand, lime, plasticiser, cement etc.)		
4.f	Wall finishes	Learners should <i>identify</i> a minimum of three different wall finishes (e.g. plaster, render etc.).		

It is expected that before the component is delivered, the Tutor/Assessor will have read the Qualification Handbook to ensure all conditions regarding Rules of Combination, delivery, assessment and internal quality assurance are fulfilled.

4.g	Paint systems for new plaster	Learners should <i>state</i> a minimum of three paint systems for new plaster (e.g. mist-coat/seal, two coats of emulsion etc.).		
------------	-------------------------------	--	--	--

It is expected that before the component is delivered, the Tutor/Assessor will have read the Qualification Handbook to ensure all conditions regarding Rules of Combination, delivery, assessment and internal quality assurance are fulfilled.

5 The learner will **know about construction of floors**

The learner must know:		Assessment Requirements		Evidence Location
5.a	Types of floors	Learners should <i>identify</i> a minimum of three types of floors (e.g. solid concrete ground, timber (ground, upper) etc.).etc.).	The following assessment methods can be used in the assessment of this standard: <ul style="list-style-type: none"> • Written tasks/questions and answers • Oral questions and answers • Group discussion • Learner log/reflective journal • Expert witness evidence • Professional discussion • Report This list is not exhaustive and other appropriate assessment methods may be used.	
5.b	Components of solid concrete ground floors	Learners should <i>identify</i> a minimum of three components of solid concrete ground floors (e.g. hardcore, blinding sand, damp proof membrane (DPM), insulation, oversite concrete, screed etc.).		

It is expected that before the component is delivered, the Tutor/Assessor will have read the Qualification Handbook to ensure all conditions regarding Rules of Combination, delivery, assessment and internal quality assurance are fulfilled.

5.c	Components of timber floors	Learners should <i>identify</i> a minimum of three different components of timber floors (e.g. oversite concrete, sleeper walls, wall plates, damp proof course (DPC), joists, insulation, floor covering etc.).		
------------	-----------------------------	--	--	--

It is expected that before the component is delivered, the Tutor/Assessor will have read the Qualification Handbook to ensure all conditions regarding Rules of Combination, delivery, assessment and internal quality assurance are fulfilled.

6 The learner will **know about construction of floors**

The learner must know:		Assessment Requirements		Evidence Location
6.a	Types of roofs	Learners should <i>identify</i> a minimum of three types of roofs (e.g. gable-ended, flat, hipped, lean-to etc.).	The following assessment methods can be used in the assessment of this standard: <ul style="list-style-type: none"> • Written tasks/questions and answers • Oral questions and answers • Group discussion • Learner log/reflective journal • Expert witness evidence • Professional discussion • Report This list is not exhaustive and other appropriate assessment methods may be used.	
6.b	Components of roofs	Learners should <i>identify</i> a minimum of three components of roofs (e.g. ridge, batten/lathe, fascia, wall plate, felt, slate/tile, truss rafters, insulation, joists, wall plate straps etc.).		
6.c	Paint systems for timber	Learners should <i>state</i> a minimum of three different paint systems for timber (e.g. knotting, prime, undercoat, gloss, water-based and solvent-based etc.).		

It is expected that before the component is delivered, the Tutor/Assessor will have read the Qualification Handbook to ensure all conditions regarding Rules of Combination, delivery, assessment and internal quality assurance are fulfilled.

6.d	The linear quantity of fascia board	Learners should <i>calculate</i> the linear quantity of fascia board from given information.		
6.e	The importance of thermal insulation in a roof	Learners should <i>state</i> the importance of thermal insulation in a roof.		

It is expected that before the component is delivered, the Tutor/Assessor will have read the Qualification Handbook to ensure all conditions regarding Rules of Combination, delivery, assessment and internal quality assurance are fulfilled.

7 The learner will **know how to communicate in the workplace**

The learner must know:		Assessment Requirements		Evidence Location
7.a	The job roles of colleagues who will be communicated with when carrying out construction tasks	Learners should <i>list</i> a minimum of three job roles of colleagues who will be communicated with when carrying out construction tasks.	The following assessment methods can be used in the assessment of this standard: <ul style="list-style-type: none"> • Written tasks/questions and answers • Oral questions and answers • Group discussion • Learner log/reflective journal • Expert witness evidence • Professional discussion • Report This list is not exhaustive and other appropriate assessment methods may be used.	
7.b	Information needed when relaying a message	Learners should <i>state</i> information needed when relaying a message.		
7.c	Benefits of positive communication with colleagues and others	Learners should <i>list</i> a minimum of three benefits of positive communication with colleagues and others.		

It is expected that before the component is delivered, the Tutor/Assessor will have read the Qualification Handbook to ensure all conditions regarding Rules of Combination, delivery, assessment and internal quality assurance are fulfilled.

7.d	Communication methods used to relay information to colleagues.	Learners should <i>identify</i> a minimum of three communication methods used to relay information to colleagues.		
------------	--	---	--	--

It is expected that before the component is delivered, the Tutor/Assessor will have read the Qualification Handbook to ensure all conditions regarding Rules of Combination, delivery, assessment and internal quality assurance are fulfilled.

Final Tutor Feedback (Strengths and Areas for Improvement):

Learner Submission Disclaimer

I declare that this is an original piece of work and that all of the work is my own unless referenced.

Assessor Disclaimer

I confirm that this learner's work fully meets all the assessment requirements listed above at the correct level and that any specified evidence requirements have been addressed.

Assessor: _____ **Learner:** _____ **Date:** _____

It is expected that before the component is delivered, the Tutor/Assessor will have read the Qualification Handbook to ensure all conditions regarding Rules of Combination, delivery, assessment and internal quality assurance are fulfilled.

Document Version History

<i>Version Number</i>	<i>Date</i>	<i>Description</i>
2	June 2021	MCQ assessment option available for this component (details on page 2)

It is expected that before the component is delivered, the Tutor/Assessor will have read the Qualification Handbook to ensure all conditions regarding Rules of Combination, delivery, assessment and internal quality assurance are fulfilled.