



This version of this unit replaces all previously published versions with effect from January 2012. This unit should be used by all learners registering for qualifications that include it in their structure from this date.

Unit title:	Setting out timber framework in the workplace
Unit reference number:	K/503/2721
QCF level:	2
Credit value:	18
Guided learning hours:	60
Start date:	January 2012

Unit summary

The aim of this unit is to develop the skills, knowledge and understanding required to confirm competence in setting out timber framework in the workplace within the relevant sector of industry.

Assessment requirements/evidence requirements

This unit must be assessed in a work environment, in accordance with:

- The Additional Requirements for Qualifications using the title NVQ in QCF
- The ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment.

Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.

Workplace evidence of skills cannot be simulated

Assessment recording

This unit is assessed in the workplace. The table on the following pages shows the learning outcomes and the assessment criteria for this unit. The table includes space for learners to enter the types of evidence they are presenting for assessment and the submission date against each assessment criterion. Alternatively, centres can use their own documentation.

Learning outcomes and assessment criteria

Learning Outcome		Assessment Criterion		Evidence type	Portfolio reference	Date
1	Interpret the given information relating to the work and resources needed when setting out timber framework.	1.1	Interpret and extract relevant information from drawings, specifications, method statements, risk assessments cutting lists and manufacturers' information.			
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.			
		1.3	State the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.			
		1.4	Describe different types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> - drawings, specifications, schedules, method statements, risk assessments, cutting lists and information relating to historical timber framing and post and beam construction. 			

Learning Outcome	Assessment Criterion	Evidence type	Portfolio reference	Date
<p>2 Know how to comply with relevant legislation and official guidance when setting out timber framework.</p>	<p>2.1 Describe their responsibilities under current legislation and official guidance whilst working:</p> <ul style="list-style-type: none"> - in the workplace, at height, in confined spaces, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting. 			
	<p>2.2 Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.</p>			
	<p>2.3 Explain what the accident reporting procedures are and who is responsible for making reports.</p>			
	<p>2.4 State the types of fire extinguishers available when setting out timber framework and describe how and when they are used.</p>			

Learning Outcome	Assessment Criterion		Evidence type	Portfolio reference	Date
3 Maintain safe working practices when setting out timber framework.	3.1	Use health and safety control equipment safely to carry out the activity in accordance with legislation and organisational requirements when setting out timber framework.			
	3.2	<p>Explain why and when health and safety control equipment, identified by the principles of protection should be used, relating to setting out timber framework, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to:</p> <ul style="list-style-type: none"> - collective protective measures - personal protective equipment (PPE) - respiratory protective equipment (RPE) - local exhaust ventilation (LEV). 			
	3.3	Describe how the relevant health and safety control equipment should be used in accordance with the given instructions.			
	3.4	State how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.			

Learning Outcome	Assessment Criterion		Evidence type	Portfolio reference	Date
<p>4 Select the required quantity and quality of resources for the methods of work to set out timber framework.</p>	4.1	<p>Select resources associated with own work in relation to types and grades of timber, components and fixings, marking, testing and levelling tools and equipment.</p>			
	4.2	<p>Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to:</p> <ul style="list-style-type: none"> - timber, manufactured sheet material - pegs and metal fixings - marking, testing and levelling tools and equipment. 			
	4.3	<p>Describe how the resources should be used correctly and how problems associated with the resources are reported.</p>			
	4.4	<p>Explain why the organisational procedures have been developed and how they are used for the selection of required resources.</p>			
	4.5	<p>Describe any hazards associated with the resources and method of work.</p>			
	4.6	<p>Explain how to calculate quantity, length, area and wastage associated with the method/procedure to set out timber framework.</p>			

Learning Outcome		Assessment Criterion			Evidence type	Portfolio reference	Date
5	Minimise the risk of damage to the work and surrounding area when setting out timber framework.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.				
		5.2	Minimise damage and maintain a clean work space.				
		5.3	Dispose of waste in accordance with legislation.				
		5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.				
		5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.				
6	Complete the work within the allocated time when setting out timber framework.	6.1	Demonstrate completion of the work within the allocated time.				
		6.2	State the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> - types of progress charts, timetables and estimated times - organisational procedures for reporting circumstances which will affect the work programme. 				

Learning Outcome	Assessment Criterion		Evidence type	Portfolio reference	Date
7 Comply with the given contract information to set out timber framework to the required specification.	7.1	Demonstrate the following work skills when setting out timber framework: – measuring, marking out, levelling and squaring.			
	7.2	Measure, set out and mark out to given working instructions: – timber wall and floor components (structural and/or non-structural) – timber pitched roof components.			
	7.3	Safely use and handle materials.			
	7.4	Safely use and maintain marking, levelling and testing tools and ancillary equipment.			
	7.5	Safely store the materials, tools and equipment used when setting out timber framework.			

Learning Outcome	Assessment Criterion	Evidence type	Portfolio reference	Date
	<p>7.6</p> <p>Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them, to:</p> <ul style="list-style-type: none"> - set out and mark components for structural and non- structural timber walls, cross frames and floors - set out and mark components for timber trussed purlin roofs - use roofing squares and layout methods - apply the theorem of Pythagoras - determine geometrical angles - determine graded timber tree anatomy and growth rates, shrinkage and defects. 			
	<p>7.7</p> <p>Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them, to:</p> <ul style="list-style-type: none"> - assess the milling and cleaving process - mark out joints for components associated with structural timber framework - work with lifting equipment (an awareness of the necessity for user certification) - erect timber framework - use marking and levelling tools and equipment. 			

Learning Outcome	Assessment Criterion		Evidence type	Portfolio reference	Date
	7.8	Describe the needs of other occupations and how to effectively communicate within a team when setting out timber framework.			
	7.9	Describe how to maintain the tools and equipment used when setting out timber framework.			

Learner name: _____ Date: _____

Learner signature: _____ Date: _____

Assessor signature: _____ Date: _____

Internal verifier signature: _____ Date: _____
(if sampled)