

VOCATIONAL



WJEC LEVEL 1 / 2 AWARD in
CONSTRUCTING THE
BUILT ENVIRONMENT

SAMPLE ASSESSMENT
MATERIALS - Internal

Teaching from 2018





WJEC Level 1/2 Vocational Award in Constructing the Built Environment

SAMPLE INTERNAL ASSESSMENT UNIT 2: DEVELOPING CONSTRUCTION PROJECTS

For teaching from 2018

For certificate from 2020

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WJEC LEVEL 1/2 VOCATIONAL AWARD IN CONSTRUCTING THE BUILT ENVIRONMENT

MODEL ASSIGNMENT

UNIT 2: DEVELOPING CONSTRUCTION PROJECTS

LEARNER ASSIGNMENT BRIEF

This brief provides learners with a context for their work. Alternative contexts can be given – please see information on 'Accepted changes to this Model Assignment'. Learners are required to complete three construction tasks in the development of a small project. Each construction task will involve the demonstration of a separate skill from the list of nine given within the specification. The nature of each construction task is at the discretion of the centre, suggested examples are provided so as to exemplify typical levels of demand. Following the plan, do and review approach, learners will plan, carryout and then evaluate each construction task completed – the associated criteria are noted against tasks 1, 2 and 3 as noted below. The assessment grid, (at the end of this document) which includes the performance bands, needs to be completed by the assessor and is based on learner performance across all three construction tasks. Fifteen and a half hours are available for the completion of this assignment.

Brief

Sunny Cove Lodge is an early 19th century brick-built building situated in its own grounds of approximately 12 acres. It features a stone constructed lean-to on one elevation. The grounds include a small stone barn which has listed building status.

There is a private drive leading to the property which has dry stone walling on either side, there is also a small dry stone boundary wall near the front elevation.

The owners are planning to sell the property and have recently had a survey completed in order to identify any defects that may require attention before it is put on the market. The survey results are given in Appendix 1.

You work for S & A Design and Build Contractors and have been asked to carry out the work needed to restore the house so that it can be put on the market.

TASKS

1. Produce a plan showing how the work will be completed
2. Complete the specified renovation tasks
3. Prepare a report for your manager at S & A Design and Build Contractors, indicating the quality of the work carried out

Task Number	Evidence	AC	Controls
1	Work plan	<p>AC1.1 Interpret technical sources of information</p> <p>AC1.2 Plan sequence of work to meet requirements of sources of information</p> <p>AC2.1 Identify resources required to complete construction tasks</p> <p>AC2.2 Calculate materials required to complete construction tasks</p> <p>AC2.3 Set success criteria for completion of construction tasks</p>	<p>Time 2½ hours</p> <p>Resources Access to ICT software, calculator, access to class notes, access to provided technical information</p> <p>Supervision You will be supervised throughout</p> <p>Collaboration Individual task</p> <p>Feedback You cannot be given feedback on the work you produce until it has been marked</p>
2	Observation record and photographs	<p>AC2.4 Prepare for construction tasks</p> <p>AC3.1 Apply techniques in completion of construction tasks</p> <p>AC3.2 Apply health and safety practices in completion of construction tasks</p>	<p>Time 11 hours</p> <p>Resources Access to class notes; no access to Internet, access to all materials and equipment required to complete the construction tasks, access to work plan produced in task 1 and technical information</p> <p>Supervision You will be supervised throughout</p> <p>Collaboration Individual task</p> <p>Feedback You cannot be given feedback on the work you produce until it has been marked</p>

3	Report with supporting photographs	AC3.3 Evaluate quality of construction tasks	<p>Time 1½ hour</p> <p>Resources Access to class notes, access to ICT software, access to work plan</p> <p>Supervision You will be supervised throughout</p> <p>Collaboration Individual task</p> <p>Feedback You cannot be given feedback on the work you produce until it has been marked</p>
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Appendix 1

S & A Design and Build Contractors

Sunny Cove Lodge – Survey Report

The following defects have been identified:

Brickwork

The South West facing corner of the property need repairs to the quoin, the area is 1 metre in height by 0.5 metres in each direction. There is a doorway 0.5 metres from the quoin on both facing elevations. The existing internal kitchen doorframe must be secured into the brickwork using appropriate fixings.

Wood

- (1) All internal doors on the ground floor need replacing.
- (2) A stud partition wall in the lounge has substantial damage and will need replacing to include stud work.
- (3) Skirting and architrave repairs/replacements are required in the lounge and hallway.

Textiles

- (1) The pelmet in the downstairs lounge needs recovering to match existing.
- (2) The existing wall covering, on the right hand side reveal, needs replacing to match existing.
- (3) One pair of curtains on the lounge window needs replacing to match existing.

Plastering

The newly constructed stud partition wall in the lounge will require a plaster / skim finish.

Decorating

The newly constructed stud partition wall in the lounge will need decorating to match existing, all new timber including door and frame to be primed, undercoated and glossed.

N.B. There is a light switch on this wall.

Electrical

The ground floor cloakroom requires a new light fitting and the defective electrical socket needs replacing.

Tiling

- (1) The kitchen splash back tiles above the hob need replacing, approx. 0.5m², this includes cutting into an irregular shape.
- (2) Near the rear entrance door the floor tiles need replacing, approx. 0.5m², also to match existing.

Plumbing

The ground floor cloakroom, replace existing damaged wash hand basin taps with new, fit new waste and all associated pipe work.

Heritage

- (1) The listed stone barn within the grounds requires two square metres of the rear elevation to be re-pointed using lime mortar to match existing elevations.
- (2) The dry stone boundary wall needs one square metre replacing to match existing.

Level 1/2 Vocational Award in Constructing the Built Environment

Observation Record

Unit 2: Developing construction projects

[illegible]

Skill 2

Preparation

Application of techniques

Application of health and safety

Skill 3

Preparation

Application of techniques

Application of health and safety

ASSESSOR INFORMATION

WJEC Approach to Assessment

Unit 2: Developing construction projects of the WJEC Level 1/2 Vocational Award in Constructing the Built Environment is internally assessed and externally moderated. The following principles apply to the assessment of this unit:

- All units are assessed through summative controlled assessment. Details of controls for this unit are provided in this model assignment
- All assessment criteria must be met under controlled conditions, as specified in this model assignment, for the unit learning outcomes to be achieved
- Performance bands for Level 2 Merit and Level 2 Distinction can only apply once a candidate has achieved all assessment criteria at the level of qualification to be awarded. Evidence must clearly show how the candidate has met the standard for the higher grades.

The WJEC Level 1/2 Award in Constructing the Built Environment has adopted the principles of controlled assessment as set out in the Joint Council for Qualifications document 'GCE, ELC, and Project Qualifications – instructions for conducting coursework'. This document can be accessed through the JCQ website (www.jcq.org.uk). Each centre must ensure that internal assessment is conducted in accordance with these controls.

There are three stages of assessment that will be controlled:

- Task setting
- Task taking
- Task marking.

Task setting

WJEC have produced this model assignment for the assessment of Unit 2: Developing construction projects. Centres will be allowed to modify the assignment, as outlined in the 'Accepted changes to this model assignments' section of this model assignment. This will enable centres to tailor the assessment to local needs. This model assignment has been written to demonstrate how the following controls are incorporated into an assignment:

- Each unit is assessed through one assignment
- Each assignment must have a brief that sets out an applied purpose. An applied purpose is a reason for completing the tasks that would benefit a business or society. Further details are in Section 1.2 of the specification
- The assignment can specify a number of tasks but tasks must be coherent i.e. show how the assessment requirements all contribute to the achievement of the applied purpose of the assignment
- The assignment must provide each candidate with the opportunity to address all assessment criteria and all performance band requirements
- The assignment must indicate the acceptable forms of evidence
- Where a centre has adapted the model assignment, there must be evidence of quality assuring it is fit for purpose.

How the learner assignment brief meets these controls

This is a single assignment that addresses all assessment criteria for this unit. There is a clear applied purpose - to plan and carry out straightforward construction tasks. Although the context and organisation in the scenario is fictitious, it is based on a real construction project and has been developed through discussions with representatives of real organisations to ensure the requirements are realistic. The tasks are all coherently related to the applied purpose. The summary table clearly shows the evidence requirements.

Task taking

There are five areas of task taking that are controlled: time, resources, supervision, collaboration and resubmission.

Time

'Time' has limited control. There are 15 hours available for assessment of this unit. The learner assignment brief suggests how this time can be allocated.

Resources

'Resources' has limited control. The assignment makes clear the type of resources that learners must have access to. Learners may access ICT software to develop their outputs for tasks 1 and 3. Learners cannot access the Internet, they must use the knowledge and understanding they have acquired to produce their summative assessment evidence. Learners can access class notes. For task 1, learners must have access to all information provided in the Learner Assignment Brief, including all technical information. For task 2, they must additionally have the work plan they produced for task 1. Assessors must ensure that if the content of the work plan would adversely affect the learner performance of task 2, then it should be amended. The assessment of the work plan must be against the version produced by the learner and not that amended for task 2. Learners must be supplied with equipment and materials necessary to complete the renovation.

Supervision

'Supervision' has medium control. Learners must be supervised by an assessor whilst completing all tasks. Centres must have in place systems to ensure learners cannot access evidence that they have been developing outside supervised activities.

Authentication

Supervision is in place to ensure the authenticity of evidence produced for summative assessment. Assessors are not expected to provide input or guidance to learners during the controlled assessment time. This includes providing formative feedback on the evidence being produced. Assessors can provide guidance on the requirements of the task and remind learners of the performance bands and how they can be interpreted. Assessors must intervene where there is a health and safety hazard observed.

Candidates can review and redraft evidence independently within the time controls for the assessment. Candidates cannot redraft based on feedback from an assessor.

Learners must sign the declaration in this model assignment to confirm that all evidence submitted for moderation is their own work and that any sources used have been acknowledged.

Assessors must sign the declaration in this model assignment to confirm that evidence submitted for moderation was completed under the controlled conditions set out in the model assignments.

Collaboration

'Collaboration' refers to group work and has limited control. For this model assignment group work is not allowed when learners are producing evidence for assessment.

Task marking

All marking of evidence must be made against the performance band statements given in each unit specification. Evidence marked must comply with the controlled requirements set out in this model assignment.

Written evidence must be annotated to show how it relates to the assessment criteria and performance band requirements.

Performance evidence for task 2 must be made on the observation records provided in this model assignment. Observation records will include a description of candidate performance as well as a summative statement on the quality of that performance. Where performance is observed by someone other than an assessor, the 'witness' must complete a witness statement. Assessors will need to authenticate the statement either through scrutiny of supporting evidence and/or questioning of the learner and/or witness. If the statement is authenticated, it can be allowed to contribute to the evidence for assessment. Evidence of authentication will also need to be included.

Marking should only be undertaken by a designated assessor. An assessor should have appropriate expertise in the subject and level for a specified unit. The assessor is responsible for ensuring that:

- Assessment is conducted under specified controlled conditions
- They are clear of the requirements of the learning outcomes, assessment criteria and performance band statements prior to commencing controlled assessment
- Evidence presented for assessment is authentic
- Assessment decisions are accurately recorded
- Evidence is appropriately annotated
- Observation records contain sufficient detail for objective corroboration of decisions
- Judgements are only made against the performance band statements.

ACCEPTED CHANGES TO THIS MODEL ASSIGNMENT

Assignment Brief (Task setting)

Type of evidence

No changes can be accepted for the format for task 1, although it can be handwritten or produced using ICT software. No changes can be accepted for the format for task 2.

The observation record can be amended if the centre has amended the task to address different skills areas. In those situations, the observation record should be amended to indicate the correct type of skills area. If the scenario is amended, the observation record context should reflect the actual task.

Task 3 can be presented in any format. This could be a report, oral presentation or PowerPoint or any other appropriate form of ICT software. If learners present their report orally, they should be aware of the performance descriptions for the assessment criterion for this task; assessors should ensure they are only assessing those elements that contribute to requirements of the performance descriptions. Assessors should produce an observation record as evidence, together with any support materials used by the learner and notes produced by the assessor. Observation records must include a description of candidate performance as well as a summative statement on the quality of that performance. Where performance is observed by someone other than an assessor, the 'witness' must complete a witness statement. Assessors will need to authenticate the statement either through scrutiny of supporting evidence and/or questioning of the learner and/or witness. If the statement is authenticated, it can be allowed to contribute to the evidence for assessment. Evidence of authentication will also need to be included. A standard pro-forma should be developed and used for all learners. Learners should receive a copy of the pro-forma in advance.

Tasks

No changes allowed, except for references to the specific context of the assignment brief.

Purpose

No changes allowed.

Context

The context must be realistic and credible, but does not have to be real. The scenario must require learners to carry out renovation or refurbishment activities.

Learners must demonstrate practical skills in three different areas. If the scenario is to be changed, the requirements of the three skills areas must be adapted to be appropriate to the scenario. They must require learners to demonstrate the same level of skill and interpret the same quality of technical information. Centres must ensure that the relevant technical information provided for this model assignment is adapted to the requirements of any amended skills areas. At least the same types must be provided with the same level of detail.

Time

The time suggested for each task, as set out in the learner assignment brief, takes account of the amount of time it would take to complete the task and the contribution of the task to the overall assessment requirements. There can be no changes to the total time available for controlled assessment, as set out in this model assignment. Centres can, however, amend the suggested time available for each task.

Resources

Learners must have access to an assessment grid. Details of essential resources are provided in the Summary table of the Learner Assignment Brief and the Task taking: resource section of this Assessor Guidance. There should be no changes to these.

Collaboration

Group work is not allowed for this unit when learners are producing evidence for assessment.

Supervision

No changes are allowed.

Feedback

No changes are allowed.

WJEC LEVEL 1/2 VOCATIONAL AWARDS IN CONSTRUCTING THE BUILT ENVIRONMENT MARK RECORD SHEET

Unit 2: Developing construction projects

Learner Name:

I confirm that the evidence submitted for assessment has been produced by me without any assistance beyond that allowed.

Signature:

Date:

Assessor Name:

The assignment brief used for summative assessment is attached, together with evidence of quality assurance.

I confirm that the evidence submitted by the learner has been produced under the controlled conditions set out in the qualification specification and model assignment.

The overall grade awarded for this unit is _____

Signature:

Date:

Lead Assessor Name:

I confirm that the evidence submitted by this learner for summative assessment has been quality assured and the grade awarded is confirmed as accurate.

Signature:

Date:

	Performance bands			
Assessment criteria	Level 1 Pass	Level 2 Pass	Level 2 Merit	Level 2 Distinction
AC1.1 Interpret technical sources of information	Interprets a limited range of technical information. Evidence tends to focus on one type of source	Interprets a range of technical information from more than one type of source	Accurately interprets a range of technical information from more than one type of source	Accurately interprets required technical information from more than one type of source
	Assessment Comments			
AC1.2 Plan sequence of work to meet requirements of sources of information	Plans an outline sequence of work which addresses the requirements of the sources of information.	Plans a detailed sequence of work which meets the requirements of the sources of information. The plan is mainly logical, showing knowledge of the processes to be followed and appropriate timescales.		
	Assessment Comments			

	Performance bands			
Assessment Criteria	Level 1 Pass	Level 2 Pass	Level 2 Merit	Level 2 Distinction
AC2.1 Identify resources required to complete construction tasks	Lists only the key resources required to complete construction tasks	Identifies, in outline, resources required to complete the construction tasks. There may be omissions or lack of detail	Identifies and specifies, in detail, resources required to complete construction tasks	Comprehensively identifies and specifies all resources required to complete construction tasks
	Assessment Comments			
AC2.2 Calculate materials required to complete construction tasks	Calculates key materials required to complete the construction tasks. There are errors present and omissions	Calculates all materials required to complete the construction tasks. There are some errors present	Calculates all materials required to complete the construction tasks. Standard conventions have been used and calculations are mainly accurate	Accurately calculates all materials required to complete the construction tasks using standard conventions and processes to complete all calculations
	Assessment Comments			

	Performance bands			
Assessment Criteria	Level 1 Pass	Level 2 Pass	Level 2 Merit	Level 2 Distinction
AC2.3 Set success criteria for completion of construction tasks	Identifies the basic success criteria for the completion of construction tasks	Identifies the success criteria for the completion of construction tasks from explicit and implicit information provided in the brief		
	Assessment Comments			
AC2.4 Prepare for construction tasks	A limited range of preparation tasks are completed	A range of preparation tasks are completed in a mainly logical sequence	All essential preparation tasks are completed in a logical sequence	All appropriate preparation tasks are completed effectively in a logical sequence
	Assessment Comments			

	Performance bands			
Assessment Criteria	Level 1 Pass	Level 2 Pass	Level 2 Merit	Level 2 Distinction
AC3.1 Apply techniques in completion of construction tasks	A range of techniques are used in the completion of specified tasks. Most of the tasks will be completed and some tolerances will be met	A range of techniques are used in completion of the specified tasks. Outcomes are mainly within acceptable tolerances	A range of techniques are used effectively and consistently in completion of all three specified tasks. Outcomes are mainly within specification tolerances and all within acceptable tolerances	A range of techniques are used fluently and consistently in completion of all three specified tasks. All outcomes are within specification tolerances
	Assessment Comments			
AC3.2 Apply health and safety practices in completion of construction tasks	Applies health and safety practices under direction in completion of construction tasks	Applies health and safety practices in completion of construction tasks independently		
	Assessment Comments			

	Performance bands			
Assessment Criteria	Level 1 Pass	Level 2 Pass	Level 2 Merit	Level 2 Distinction
AC3.3 Evaluate quality of construction tasks	Describes where construction tasks meet the requirements	Analyses the quality of construction tasks completed	Evaluates the quality of construction tasks completed. Judgements show some reasoning and consideration is given to both specification and success criteria	Evaluates the quality of construction tasks completed. Judgements are reasoned and equal consideration given to specification and success criteria
	Assessment Comments			